Empa Activities 2015
Appendix

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Empa
Materials Science and Technology

Empa Activities 2015

Awards

Acoustics/Noise Control	**Pieren Reto** Prix Colladon 2015, Swiss Acoustical Society SGA-SSA. Swiss Acoustical Society SGA-SSA.
Advanced Analytical Technologies	**Bachmann Julian/Wichser Adrian** Gewinner Projektkurs UK3. Eawag Dübendorf (CH).
	Diefenbacher Pascal/Bogdal Christian/Gerecke Andreas/ Hungerbühler Konrad Otto-Hutzinger Award. Award committee of Dioxin 2015.
	Heeb Norbert/Rey Maria/Zennegg Markus/Haag Regula/Wichser Adrian/Schmid Peter/Seiler Cornelia/Honegger Peter/Zeyer Kerstin/Mohn Joachim/Bürki Samuel/Zimmerli Yan/Czerwinski Jan/Mayer Andreas Best Poster Award. Award Committee of the19th Conference on Combustion Generated Nanoparticles/ETH Zurich.
	Hess Adrian/Tarik Mohamed/ Foppiano Debora/ Ludwig Christian Best Poster Award. CCMX Annual Meeting, Bern
	Reinke Michael/Kuzminykh Yury/Hoffmann Patrik Best oral presentation of PhD student. EuroCVD 20.
	Rowthu Sriharitha/Böhlen Karl/ Hoffmann Patrik Best oral presentation. European Materials Research Society, Fall Meeting, 2015 Warsaw (PL).
	Rowthu Sriharitha/Edin Balic/Hoffmann Patrik Best poster award. CCMX, Switzerland.
Applied Wood Materials	**Burgert Ingo/Merk Vivian/Chanana Munish** Spark Award. ETH Zürich
	Civardi Chiara Gareth Williams Scholarship Awards. Arch Wood Protection (Lonza Company).
	Civardi Chiara Ron Cockroft Award. IRG46 Meeting, International Research Group on Wood Protection IRG/WP.
Biointerfaces	**Chan Samantha/Benneker LM./Heini Paul/Gantenbein B.** Best Poster Presentation. The international Society for the study of the lumbar spine (ISSLS), San Francisco, USA.
	Chan Samantha/Frauchiger DA./Benneker LM./Gantenbein B. Best Student Poster Presentation. Swiss Society for Biomaterials + Regenerative medicine (SSBRM), Lausanne.
Functional Polymers	**Dünki Simon** Winner of Zurich contest for the participation at Falling Walls, the "International Conference on Future Breakthroughs in Science and Society", Berlin (DE). International Conference on Future Breakthroughs in Science and Society Berlin (DE)
Joining Technologies and Corrosion	**Ahmadi Mehdi/Lee Wokjin/Van Petegem Steven/Van Swygenhoven Helena/Leinenbach Christian** Poster Award, High Temperature Shape Memory Alloys (HTSMA) conference 2015. HTSMA conference board
	Janczak-Rusch Jolanta Friends of the Faculty of Materials Science and Engineering of Warsaw University of Technology, EUROMAT 2015. Warsaw University of Technology (PL)
	Kenel Christoph The Larry Kaufman Scholarship. CALPHAD Inc.
	Kenel Christoph CALPHAD XLIV Scholarship 2015. CALPHAD XLIV Conference.
	Kenel Christoph/Leinenbach Christian CALPHAD XLIV Best Poster Award 2015. CALPHAD conference board.
	Sadegh Ahmadi Mehdi/Lee W. Second Best Poster Award, International Conference on High-Temperature Shape Memory Alloys (HTSMAs) 2015. Deutsche Gesellschaft für Materialkunde e.V.
Materials Meet Life	**Krug Harald/Steinbach Ch./Kühnel D./Nau K./Paul F./Marquardt C.** Best Poster Award. Federal Ministry of Ecucation and Research, Germany (DE)
Mechanical Systems Engineering	**Terrasi Giovanni P.** Distinguished Visiting Fellow Award 2015, UK Royal Academy of Engineering. UK Royal Academy of Engineering.
Mechanics of Materials and Nanostructures	**Schoeppner Rachel/Taylor Aidan/Schwiedrzik Jakob/Mohanty Gaurav/Chawla Vipin/Petho Laszlo/Thomas Keith/Zechner Johannes/ Guerra-Nuñez Carlos/Michler Johann** Best Poster Award. Engineering Conferences International (ECI)– Nanomechanical Testing in Materials Research and Development
Nanoscale Materials Science	**Thorwarth Kerstin/Rudigier Helmut/Hug Hans-Josef/Patscheider Jörg** CCMX Poster Award 2015. Competence Centre for Materials Science and Technology.

nanotech@surfaces	**Talirz Leopold** Early Postdoc.Mobility fellowship. Swiss National Science Foundation
	Talirz Leopold Empa Research Price 2015. Empa, Swiss Federal Laboratories for Materials Science and Technology
	Yakutovich Aliaksandr/Pignedoli Carlo Best poster award – second place: MARVEL Review and Retreat – poster session. Review and Retreat, Sep 3–4 2015 @ EPFL. MARVEL
Protection and Physiology	**Psikuta Agnes/Rossi René/Annaheim Simon** Best Poster Presentation, XIII EAT congress, Madrid (ES). EAT
Protection and Physiology/ Advanced Fibers	**Weder Markus/Haag Alexander/Schmid Michel/Hegemann Dirk/Amberg Martin** Techtextil Innovation Award 2015: Category „New Product." Techtextil Frankfurt (DE).
Reliability Science and Technology	**Anderegg Peter/Brönnimann Rolf/Meier Urs** Best Paper Award 2014; Aftab Mufti Medal' at SHMII-7, Torino (IT). The International Society for Structural Health Monitoring of Intelligent Infrastructure (ISHMII).
Reliability Science and Technology	**Jacob Peter** Best Paper Award, ESREF 2015 Toulouse, (FR). ESREF/Fraunhofer Institut
Structural Engineering	**Ghafoori Elyas** Young Engineer Award 2014. American Society of Mechanical Engineers (ASME).
Technology and Society	**Restrepo Eliette/Du Xiauye/Widmer Rolf/Wäger Patrick** Best Oral Presentation Award. International Society for Industrial Ecology.
	Restrepo Eliette/Wäger Patrick/Widmer Rolf Excellent Research Award for Oral Presentation. Japan Society of Materials Cycles and Waste Management.
Thin Films and Photovoltaics	**Bissig Benjamin/Reinhard P./ Pianezzi F./ Avancini E./ Nishiwaki S./Buecheler S./Tiwari A. N.** Poster Award, MRS Spring Meeting 2015, Symposium B, San Francisco USA. Materials Research Society (MRS)

Empa Activities 2015

PhD Theses

Acoustics/Noise Control

Churchill Claire
Direct and Flanking Transmission in Combined Heavyweight and Lightweight Structures
Supervisor: Gibbs Barry
Co-Supervisor: Eggenschwiler Kurt
University of Liverpool, Acoustics Research Unit, UK ◆

Dorodnytsin Vladimir
Waves in cellular solids with entrained fluid
Supervisor: Curtin William
Co-Supervisor: Pioletti Dominique
EPF Lausanne, Mechanical engineering ◆

Rietdijk Frederik
Auralization of Aircraft Noise
Supervisor: Kropp Wolfgang
Co-Supervisor: Heutschi Kurt
Chalmers, Applied Acoustics, Gothenburg, SE ◆

Zellmann Christoph
Entwicklung eines semi-empirischen Modells zur Beschreibung der Schallemission ziviler Großflugzeuge in Abhängigkeit vom Flugzustand
Supervisor: Paschereit Christian-Oliver
Co-Supervisor: Wunderli Jean Marc
Technische Universität, Berlin, Institut für Strömungsmechanik und technische Akustik, Berlin, DE ◆

Advanced Analytical Technologies

Arbelo Peña Yunieski
Morpho chemical Surface Analysis using a Plasma driven short Wavelength Photon Source
Supervisor: Bleiner Davide
Co-Supervisor: Bleiner Davide
Uni BE, Institute of Applied Physics ◆

Bahk Yeon Kyoung
Physical characterizations of carbon nanotubes for the Emission control and exposure modeling
Supervisor: Wang Jing
Co-Supervisor: Wang Jing
ETH Zürich, Institute of Environmental Engineering ○

Barbato Francesco
Phase Contrast Imaging of weak Shocks in Fusion Experiments
Supervisor: Bleiner Davide
Co-Supervisor: Bleiner Davide
Uni BE, Institute of Applied Physics ◆

Diefenbacher Pascal
Atmospheric emission of organic pollutants from modern cities (CityPOP)
Supervisor: Hungerbühler Konrad
Co-Supervisor: Gerecke Andreas
ETH Zürich, Institute of Chemical and Bioengineering (ICB) ○

Durdina Lukas
Particulate Matter and Gas Phase Emission Measurement of Aircraft Engine Exhaust
Supervisor: Wang Jing
Co-Supervisor: Wang Jing
ETH Zürich, Institute of Environmental Engineering ◆

He Xu
Nanomaterials in landfill leachate: characteristics, fate and control
Supervisor: Wang Jing
Co-Supervisor: Wang Jing
ETH Zürich, Institute of Environmental Engineering ◆

Hess Adrian
Online Coupling of a Scanning Mobility Particle Sizer SMPS to an inductively coupled Plasma Mass Spektrometer ICP-MS for Size fractionated, elemental Analysis of Nanoparticles in Aerosols
Supervisor: Ludwig Christian
Co-Supervisor: Vonmont Heinz/Wichser Adrian/Ulrich Andrea
EPF Lausanne, Materials Science and Engineering, Lausanne ◆

Kuo Yu-Ying
Cocurrence of Nanoparticles and organic Pollutants in the Atmosphere and photocatalytic Removal of organic Pollutants
Supervisor: Wang Jing
Co-Supervisor:Wang Jing
ETH Zürich, Institute of Environmental Engineering ◆

Advanced Analytical Technologies

Losert Sabrina
Analytical strategies for a systematic characterization of nano-particle release from commercial spray products
Supervisor: Hungerbühler Konrad
Co-Supervisor: Vonmont Heinz/Wichser Adrian/Ulrich Andrea
ETH Zürich, Institute for Chemistry and Bioengineering Science ○

Masoudnia Leili
Optimization of the plasma active-medium for short-wavelength laser-probes
Supervisor: Bleiner Davide
Co-Supervisor: Bleiner Davide
Uni BE, Institute of Applied Physics ○

Ruiz Lopez Maria Isabel
Table-top nano-imaging using plasma-photon source
Supervisor: Bleiner Davide
Co-Supervisor: Bleiner Davide
Uni BE, Institute of Applied Physics ○

Sachinidou Panagiota
Nanoparticle Filtration and electret filter media
Supervisor: Wang Jing
Co-Supervisor: Wang Jing
ETH Zürich, Institute of Environmental Engineering ◆

Schinkel Lena
New analytical methods for emerging chlorinated paraffins and transformation products
Supervisor: McNeill Christopher
Co-Supervisor: Gerecke Andreas
ETH Zürich, Institute of Biogeochemistry and Pollutant Dynamics (IBP) ◆

Sukiene Vilma
Assessing the Relevance of the Dust Contribution in Consumer Exposure to Substances from Consumer Products and Particles (DustEx)
Supervisor: Hungerbühler Konrad
Co-Supervisor: Gerecke Andreas
ETH Zürich, Institute of Chemical and Bioengineering (ICB) ◆

Advanced Fibers

Blanchard Noémi
The role of sub-surface water in Plasma deposited vertical chemical gradients
Supervisor: Heuberger Manfred
Co-Supervisor: Hegemann Dirk
ETH Zürich, Dept. of Materials ○

Gradzik Boguslawa
Synthesis and properties of fiber-forming polyesters from renewable raw materials
Supervisor: El Fray Miroslawa
Co-Supervisor: Hufenus Rudolf
West Pomeranian University of Technology, Polymer Institute, Szczecin, PL ◆

Kandhadai Shreyas
Polymer Surface Forces across Supercritical CO2
Supervisor: Heuberger Manfred
Co-Supervisor: Heuberger Manfred
ETH Zürich, Dept. of Materials ◆

Liang Shuyu
Evaluating Gasphase Flame Inhibition Chemistry of Organo Phosphorus Compounds
Supervisor: Grützmacher Prof Hanjörg
Co-Supervisor: Gaan Sabyasachi
ETH Zürich ◆

Naeimirad Mohammadreza
Microfluidic properties of melt-spun liquid-filled filaments
Supervisor: Zadhoush Ali
Co-Supervisor: Leal Andrés
Isfahan University of Technology, Textile Engineering, Isfahan, IR ◆

Zachariah Zita
Molecular ordering phenomena in highly overlapping electrical double layers
Supervisor: Heuberger Manfred
Co-Supervisor: Heuberger Manfred
ETH Zürich, LSST - Dept. of Materials ◆

Advanced Materials Processing

Infante Daniel
Chinese Mirror – smooth optical effects
Supervisor: Herzig Hans-Peter
Co-Supervisor: Hoffmann Patrik
EPF Lausanne, Optics and Photonics Technology Laboratory ◆

Kallip Kaspar
Metal matrix nano composite materials
Supervisor: Kollo Lauri
Co-Supervisor: Leparoux Marc
Tallinn University of Technology, Faculty of Mechanical Engineering Dept. of Materials Engineering, Tallinn, EE ◆

Advanced Materials Processing

Le Dantec Marie
Light initiated drying and melting of silicon powder
Supervisor: Hoffmann Patrik
Co-Supervisor: Leparoux/Vaucher/Marc/Sébastien
EPF Lausanne, Photonic Materials and Characterization ◆

Reinke Michael
BaTiO3 deposition by HVCVD
Supervisor: Hoffmann Patrik
Co-Supervisor: Kuzminykh Yury
EPF Lausanne, Photonic Materials and Characterization ○

Rowthu Sriharitha
Porous wear resistant, tailored wetting materials
Supervisor: Hoffmann Patrik
Co-Supervisor: Hoffmann Patrik
EPF Lausanne, Photonic Materials and Characterization ◆

Saeidi Fatemeh
Laser structuring of tribo-pair surface
Supervisor: Hoffmann Patrik
Co-Supervisor: Wasmer Kilian
EPF Lausanne, Photonic Materials and Characterization ◆

Vahdati Seyedpayam
Microjet laser cutting of Sapphire
Supervisor: Hoffmann Patrik
Co-Supervisor: Kuzminykh Yury
EPF Lausanne, Photonic Materials and Characterization ◆

Air Pollution/Environmental Technology

Boleti Eirini
Statistical analysis of long-term air quality data in Switzerland
Supervisor: Takahama Satoshi
Co-Supervisor: Hueglin Christoph
EPF Lausanne, School of Architecture, Civil and Environmental Engineering ◆

Eyer Simon
Development of a real-time quantum cascade laser spectrometer for methane isotopic species in ambient air
Supervisor: Fischer Hubertus
Co-Supervisor: Mohn Joachim
Uni BE, Dep. of Physics ◆

Ibraim Erkan
N2O from the Swiss midlands: regional sources and hot spots
Supervisor: Six Johan
Co-Supervisor: Mohn Joachim
ETH Zürich, Dept. of Environmental Systems Science ◆

Mussetti Gianluca
Urban Climate and Air Quality modelling
Supervisor: Carmeliet Jan
Co-Supervisor: Brunner Dominik
ETH Zürich, Building Physics ◆

Oney Brian
CarboCount CH: Quantifying CO2 and CH4 fluxes in Switzerland
Supervisor: Gruber Nicolas
Co-Supervisor: Brunner Dominik
ETH Zürich, Umweltphysik ◆

Schönenberger Fabian
Measurement-based verification of regional emissions of halogenated greenhouse gases
Supervisor: Peter Thomas
Co-Supervisor: Reimann Stefan
ETH Zürich, Insitute for Atmospheric and Climate Science ◆

Applied Wood Materials

Aigner Nikita
Modelling of cell wall components interaction
Supervisor: Delgado Emanuela
Co-Supervisor: Burgert Ingo
ETH Zürich, Institut für Baustoffe ○

Bachtiar Erik Valentin
Material characterization of Wood, adhesives and coating of cultural heritage under various climatic conditions
Supervisor: Burgert Ingo
Co-Supervisor: Burgert Ingo
ETH Zürich, Institut für Baustoffe ◆

Applied Wood Materials

Bolla Ferruccio
Metal oxide coating by Atomic Layer Deposition (ALD) for the elaboration of a new class of functional wood based materials
Supervisor: Burgert Ingo
Co-Supervisor: Zimmermann Tanja
ETH Zürich, Institut für Baustoffe ◆

Bösiger Peter
Development of a smart bio composite wound dressing
Supervisor: Schwarze Francis
Co-Supervisor: Fortunato Giuseppino
Institut für Forstbotanik

Casdorff Kirstin
Wood surface modification and characterization by AFM
Supervisor: Burgert Ingo
Co-Supervisor: Burgert Ingo
ETH Zürich, Institut für Baustoffe ◆

Civardi Chiara
Assessment of the effectiveness and environmental risk of copper particles based wood preservatives
Supervisor: Burgert Ingo
Co-Supervisor: Schwarze Francis
ETH Zürich, Institut für Baustoffe Institut für Baustoffe ◆

Grüneberger Franziska
Modified Nanofibrillated Cellulose in Wood Coatings
Supervisor: Burgert Ingo
Co-Supervisor: Arnold Martin
ETH Zürich ○

Hausmann Michael
Hierarchically structured cellulose-based composites
Supervisor: Studart André
Co-Supervisor: Zimmermann Tanja
ETH Zürich, Institut für Baustoffe ◆

Keplinger Tobias
Cell wall modification and characterization
Supervisor: Burgert Ingo
Co-Supervisor: Burgert Ingo
ETH Zürich, Institut für Baustoffe ◆

Kostic Sanja
Development of a novel adhesion System between Wood timber and concrete
Supervisor: Burgert Ingo
Co-Supervisor: Cabane Etienne
ETH Zürich, Institut für Baustoffe Institut für Baustoffe ◆

Merk Vivian
Chemical modification of spruce and beech wood
Supervisor: Burgert Ingo
Co-Supervisor: Burgert Ingo
ETH Zürich, Institut für Baustoffe ◆

Oluyinka Olaniran Samuel
Mechanical characterization of modified woods
Supervisor: Burgert Ingo
Co-Supervisor: Rüggeberg Markus
ETH Zürich, Institut für Baustoffe ◆

Orsolini Paola
Elaboration of functional materials using bio-based waste resources as building blocks
Supervisor: Niederberger Markus
Co-Supervisor: Geiger Thomas/ Zimmermann Tanja
ETH Zürich, Professur Multifunktionsmaterial ◆

Özparpucu Merve
Mechanical and structural characterization of modified poplar wood
Supervisor: Burgert Ingo
Co-Supervisor: Burgert Ingo
ETH Zürich, Institut für Baustoffe ◆

Ribera Regal Javier
Biological control of copper tolerant fungi
Supervisor: Schwarze Francis
Co-Supervisor: Schwarze Francis
Universität Freiburg im Breisgau, Fakultät für Umwelt und natürliche Ressourcen ◆

Segemehl Jana Simone
Cell wall modification of bio-engineered wood
Supervisor: Burgert Ingo
Co-Supervisor: Burgert Ingo
ETH Zürich, Institut für Baustoffe ◆

Applied Wood Materials

Vailati Chiara
Convertible wood structures for architecture
Supervisor: Burgert Ingo
Co-Supervisor: Rüggeberg Markus
ETH Zürich, Institut für Baustoffe ◆

Vidiella del Blanco Marta Esther
Functionalization of wood materials for smart filters in oil-water separation technology
Supervisor: Burgert Ingo
Co-Supervisor: Cabane Etienne
ETH Zürich, Institut für Baustoffe ◆

Vitas Selin
Functionalized Wood materials for innovative application in filter technology
Supervisor: BurgertIngo
Co-Supervisor: Cabane Etienne
ETH Zürich, Institut für Baustoffe ◆

Wang Yaru
Wood modification by sol-gel derived inorganic nanoparticles
Supervisor: Burgert Ingo
Co-Supervisor: Cabane Etienne
ETH Zürich, Institut für Baustoffe ◆

Automotive Powertrain Technologies

Kammermann Thomas
Optical Diagnostics of Ignition and Early Flame Kernel Development in Hydrogen Enriched Methane Flames
Supervisor: Boulouchos Konstantinos
Co-Supervisor: Soltic Patrik
ETH Zürich, Laboratorium für Aerothermochemie und Verbrennungssysteme ◆

Liao Yujun
Heat transfer phenomena in Urea Water Sprays and SCR catalysts
Supervisor: Boulouchos Konstantinos
Co-Supervisor: Dimopoulos Eggenschwiler Panayotis
ETH Zürich, Laboratorium für Aerothermochemie und Verbrennungssysteme ◆

Nocivelli Lorenzo
Simulation of phenomena in SCR DeNOx catalysts
Supervisor: Onorati Angelo
Co-Supervisor: Dimopoulos Eggenschwiler Panayotis
Politecnico di Milano, Dipartimento di Energia, Milano, IT ◆

Spiteri Alexander
Fluid mechanic properties of Urea-Water sprays
Supervisor: Boulouchos Konstantinos
Co-Supervisor: Dimopoulos Eggenschwiler Panayotis
ETH Zürich, Laboratorium für Aerothermochemie und Verbrennungssysteme ◆

von Rickenbach Jan
Multi-scale modeling of catalytic reactions in open cell foams
Supervisor: Poulikakos Dimos
Co-Supervisor: Dimopoulos Eggenschwiler Panayotis
ETH Zürich, Laboratory of Thermodynamics in Emerging Techneologies ○

Biointerfaces

Cihova Martina
Metallic biomaterial surface properties and their impact on biological response
Supervisor: Löffler Jörg
Co-Supervisor: Maniura Katharina
ETH Zürich, Dept. of Materials ◆

Ghazaryan Gagik
Biobased additives for the mechanical improvement of biopolymers
Supervisor: Tervoort Theo A.
Co-Supervisor: Maniura Katharina
ETH Zürich, Dept. of Materials ◆

Huber Rebecca
Morphological gradients for protein adsorption and cell studies
Supervisor: Spencer Nicolas
Co-Supervisor: Maniura Katharina/Fortunato Giuseppino
ETH Zürich, Dept. of Materials ◆

Le Meur Sylvaine
Biosynthesis of polyhydroxyalkanoates (PHAs) from low cost growth carbon substrates in recombinant bacterial strains
Supervisor: Ackermann Martin
Co-Supervisor: Ren Qun
ETH Zürich, Dept. of Environmental Systems Science ○

Biointerfaces

Mertgen Anne-Sophie
Decoration of polymer fibers with cell adhesive proteins/protein fragments for improved attachment of endothelial cells in blood propulsion systems
Supervisor: Vogel Viola
Co-Supervisor: Maniura Katharina/Puigmarti Josep
ETH Zürich, Dept. of Health Sciences and Technology ◆

Mulky Elias
Engineering of absorbable fiber reinforced bone substitute materials
Supervisor: Frenz Martin
Co-Supervisor: Maniura Katharina/Fortunato Giuseppino
Uni BE, Division of Biomedical Photonics ◆

Weidenbacher Lukas
Development of a blood-compatible Membrane.
Supervisor: Ferguson Stephen
Co-Supervisor: Maniura Katharina/Fortunato Giuseppino
Dept. of Health Sciences and Technology

Weishaupt Ramon
Protein immobilization on nanofibrous materials
Supervisor: Snedeker Jess G.
Co-Supervisor: Maniura Katharina/Ferrari Aldo
ETH Zürich, Dept. of Health Sciences and Technology ◆

Yazgan Gökce
Development of spun cell-scaffolds for biomimetic 3D tissue formation for use in blood propulsion systems.
Supervisor: Zenobi-Wong Marcy
Co-Supervisor: Maniura Katharina/Fortunato Giuseppino
Dept. of Health Sciences and Technology

Building Energy Materials and Components

Iswar Subramaniam
Super insulating concepts based on polyurethane for building and construction with a thermal conductivity target of 15 mW/(m.K) at 10°C
Supervisor: Lattuada Prof. Marco
Co-Supervisor: Koebel Dr. Matthias
Uni FR, Adolphe Merkle Institute ◆

Concrete/Construction Chemistry

Bernard Ellina
Magnesium silicate hydrates (M-S-H)
Supervisor: Pochard Isabelle
Co-Supervisor: Lothenbach Barbara
Universite de Bourgogne, Dijon ◆

di Bella Carmelo
Drying shrinkage and cracking of cementitious materials at early age
Supervisor: Lura Pietro
Co-Supervisor: Wyrzykowski Mateusz
ETH Zürich, Institut für Baustoffe ◆

Fang Xing
A fundamental investigation of cold mix asphalt modified with cementitious materials
Supervisor: Lura Pietro
Co-Supervisor: Garcia Alvaro
ETH Zürich, Institut für Baustoffe ◆

Ghourchian Sadegh
Plastic shrinkage cracking in concrete: from mechanisms to mitigation strategies
Supervisor: Lura Pietro
Co-Supervisor: Wyrzykowski Mateusz
ETH Zürich, Institut für Baustoffe ◆

Hu Zhangli
Autogenous shrinkage in blended cement systems
Supervisor: Scrivener Karen
Co-Supervisor: Lura Pietro
EPF Lausanne, LMC ◆

Schöler Axel
Hydration of multi-component cements containing cement clinker, slag, type-V fly ash, limestone: CEM X/A – M (S, V, LL, x)
Supervisor: Ludwig Horst-Michael
Co-Supervisor: Lothenbach Barbara
Bauhaus, Universität Weimar,F.A. Fingerinstitut für Bauchstoffkunde ◆

Yang Fei
Multi-contrast X-ray imaging of water and microstructure in cement-based materials
Supervisor: Lura Pietro
Co-Supervisor: Griffa Michele
ETH Zürich, Institut für Baustoffe ◆

Electron Microscopy Center

Bologna Nicolas
TBD
Supervisor: Fontcuberta Anna
Co-Supervisor: Rossell Marta
EPF Lausanne, Lab. of Semiconductor Materials ◆

Functional Polymers

Anantharaman Surendra Babu
Self-assembly of cyanine dye molecules into J-aggregates on surfaces for applications in opto-electronic devices
Supervisor: Nüesch Frank
Co-Supervisor: Heier Jakob
EPF Lausanne, Chemistry or Polymer Chemistry ◆

Caspari Philip
High permittivity siloxanes in the application of dielectric elastomer generators
Supervisor: Nüesch Frank
Co-Supervisor: Opris Dorina
ETH Zürich, Chemistry or Polymer Chemistry ◆

Dünki Simon
Silicones with enhanced permittivity for dielectric elastomer actuators
Supervisor: Nüesch Frank
Co-Supervisor: Opris Dorina
ETH Zürich, Chemistry or Polymer Chemistry ◆

Gesevicius Donatas
Morphology control by ionic interactions of cyanine/PCBM bulk heterojunctions for photovoltaic applications
Supervisor: Nüesch Frank
Co-Supervisor: Heier Jakob
EPF Lausanne, Chemistry or Polymer Chemistry ◆

Jenatsch Sandra
Dynamics of Electronic and Ionic Charges in Cyanine Organic Semiconductor Devices
Supervisor: Nüesch Frank
Co-Supervisor: Hany Roland
ETH Zürich, Chemistry or Polymer Chemistry ◆

Ko Yee Song
Smart materials for artificial muscle and energy harvesting
Supervisor: Nüesch Frank
Co-Supervisor: Opris Dorina
ETH Zürich, Chemistry or Polymer Chemistry ◆

Leclaire Nicolas
Spatial and morphological growth control of cyanine dye crystals
Supervisor: Nüesch Frank
Co-Supervisor: Heier Jakob
EPF Lausanne, Materials Sience and Engineering ◆

Quinsaat Jose-Enrico
Increasing the dielectric constant of dielectric elastomer actuators using silver nanoparticles
Supervisor: Nüesch Frank
Co-Supervisor: Opris Dorina
ETH Zürich, Chemistry or Polymer Chemistry ○

Schlagenhauf Lukas
Evaluation platform for safety and environmental risks of carbon nanotube reinforced nanocomposites
Supervisor: Nüesch Frank
Co-Supervisor: Wang Jing
ETH Zürich, Chemistry or Polymer Chemistry ○

Veron Anna
NIR Absorbing Colorants with Application in Light to Energy Conversion
Supervisor: Nüesch Frank
Co-Supervisor: Geiger Thomas
ETH Zürich, Chemistry or Polymer Chemistry ◆

Zhang Hui
NIR sensitive organic solar cells for tandem devices and transparent windows
Supervisor: Nüesch Frank
Co-Supervisor: Hany Roland
EPF Lausanne, Materials Science and Engineering ○

High Performance Ceramics

Boudoire Florent
Liesegang: Reaction-diffusion processes for the growth of patterned structures and architectures: A bottom-up approach for photoelectrochemical electrodes
Supervisor: Constable Edwin
Co-Supervisor: Braun Artur
Uni BS, Dept. of Chemistry ○

Dalcanale Federico
CeraMed: Implantable Ceramic MEMS Electrodes for Cardiac Pace Makers
Supervisor: Niederberger Markus
Co-Supervisor: Kübler Jakob
ETH Zürich, Lab. for multifunctional materials ◆

High Performance Ceramics

Hu Yelin
Defects on semiconductor photoelectrodes: origin, function, and control
Supervisor: Grätzel Michael
Co-Supervisor: Braun Artur
EPF Lausanne, Laboratory of Photonics and Interfaces ◆

Knies Franziska
Kerasan: Massgeschneiderte u. verschmutzungsarme Keramikoberfläche für Sanitärkeramiken
Supervisor: Graule Thomas
Co-Supervisor: Graule Thomas
Technische Universität, Bergakademie Freiberg, Institut für Keramik & Glas & Baustofftechnik, Freiberg, DE ◆

Mitrentsis Eleni
REFRAMATCH: Verbesserung der Kratzfestigkeit von Polyamiden durch den Einsatz brechungsindex-angepasster, nanopart. Füllstoffe
Supervisor: Graule Thomas
Co-Supervisor: Graule Thomas
Technische Universität, Bergakademie Freiberg, Institut für Keramik & Glas & Baustofftechnik, Freiberg, DE ◆

Ozog Paulina
KTI Projekt:/Herstellung hochwertiger Aluminiumnitrid-basierter Keramiken aus verbrennungsbasierter Direktsynthese von nanoskaligen AlN-Pulvern - ALUMNI
Supervisor: Kata Darius
Co-Supervisor: Graule Thomas
AGH University of Science and Technology, Cracow, PL ◆

Schabikowski Mateusz
Nanosorp: Novel nanocomposite based filter media for adsorption based water treatment
Supervisor: Kata Dariusz
Co-Supervisor: Graule Thomas
AGH University of Science and Technology, Cracow, PL, Faculty for Material Science and Ceramics, Cracow, PL ○

Walliser Roche
Origin of Liesegang Patterns
Supervisor: Constable Edwin C.
Co-Supervisor: Toth Rita
Uni BS, Dept. of Chemistry ◆

Joining Technologies and Corrosion

Bissig Vinzenz
Ag-Cu nanostructured brazing filler in a multilayer configuration
Supervisor: Janczak-Rusch Jolanta
Co-Supervisor: Sikorski Krzysztof
Warsaw University of Technology, Faculty of Materials Science and Engineering, Warsaw, PL ○

Brodacka Sylwia
Interfacial and segregation phenomena in nanostructured Ag-Cu brazing filler alloys
Supervisor: Kozubski Rafal
Co-Supervisor: Janczak-Rusch Jolanta
Jagiellonian University in Krakow, Faculty of Physics, Astronomy and Applied Computer Science, Krakow, PL ◆

Ilic Emilija
Predicting deterioration phenomena at coating/implant interfaces in vivo
Supervisor: Mischler Stefano
Co-Supervisor: Hauert Roland
EPF Lausanne, Institut des Matériaux IMX, Lausanne ◆

Kenel Christoph
Alloy development of oxide dispersion strengthened titanium aluminides for additive manufacture
Supervisor: Wegener Konrad
Co-Supervisor: Leinenbach Christian
ETH Zürich, Institute of Machine Tools and Manufacture ◆

Li Xiaoshuang
Fabrication of metal-diamond composites by selective laser melting and their characterization
Supervisor: Wegener Konrad
Co-Supervisor: Leinenbach Christian
ETH Zürich, Institute of Machine Tools and Manufacture ◆

Lipecka Joanna
Development of novel joining technologies for nanostructured materials
Supervisor: Lewandowska Malgorzata
Co-Supervisor: Janczak-Rusch Jolanta
Warsaw University of Technology, Faculty of Materials Science and Engineering, Warsaw, PL ◆

Lis Adrian
High power electronics packaging by transient liquid phase bonding
Supervisor: Wegener Konrad
Co-Supervisor: Leinenbach Christian
ETH Zürich, Institute of Machine Tools and Manufacture ○

Joining Technologies and Corrosion

Weyrich Nico
Joining of metals and ceramics using Au-(Ge, Si)-based solder alloys
Supervisor: Wegener Konrad
Co-Supervisor: Leinenbach Christian
ETH Zürich, Institute of Machine Tools and Manufacture ○

Materials for Energy Conversion

Bonk Alexander
Synthesis and characterization of thermal stable and highly porous doped CeO2 structures for Thermochemical Redox Reactions
Supervisor: Vogt Ulrich F.
Co-Supervisor: Vogt Ulrich F.
Universität im Breisgau, Institute of Earth and Environmental Sciences, Crystallography ◆

Kuc Jagoda
Investigation of well-defined perovskite based catalysts for steam reforming of methanol to selectively produce hydrogen for fuel cell applications
Supervisor: Weidenkaff Anke
Co-Supervisor: Matam Santhosh Kumar
Universität Stuttgart, Institut für Materialwissenschaft, Stuttgart, DE ◆

Saucke Gesine
Cost-efficient and reliable thermoelectric converters for industrial waste heat recovery
Supervisor: Weidenkaff Anke
Co-Supervisor: Populoh Sascha
Universität Stuttgart, Institut für Materialwissenschaft, Stuttgart, DE ◆

Surace Yuri
Manganese-based cathode materials for Li-ion batteries
Supervisor: Weidenkaff Anke
Co-Supervisor: Pokrant Simone
Universität Stuttgart, Institut für Materialwissenschaft, Stuttgart, DE ○

Thiel Philipp
High temperature thermoelectric converters for electricity generation in a solid oxide fuel cell system
Supervisor: Weidenkaff Anke
Co-Supervisor: Populoh Sascha
Universität Stuttgart, Institut für Materialwissenschaft, Stuttgart, DE ○

Materials Meet Life

Von Moos Lea
Safety and potential toxicology of nanoparticles
Supervisor: Sturla Shana
Co-Supervisor: Krug Harald
Uni Bern, Laboratory of Food and Nutrition Toxicology ◆

Mechanical Integrity of Energy Systems

Chen Zhen
High temperature fracture mechanics investigations
Supervisor: Mazza Edoardo
Co-Supervisor: Holdsworth Stuart
ETH Zürich, Institute for Mechanical Systems ◆

Frigerio Marco
Evaluation of the influence of time at temperature on the properties of Aldrey of overhead conductor wires
Supervisor: Mazza Edoardo
Co-Supervisor: Holdsworth Stuart
ETH Zürich, Institute for Mechanical Systems ○

Röthlisberger André
Arc erosion in contact materials: modelling and model experiments
Supervisor: Spolenak Ralph
Co-Supervisor: Mazza Edoardo
ETH Zürich, Institute for Mechanical Systems ◆

Schillai Kilian
Fretting Fatigue of high voltage conductors
Supervisor: Mazza Edoardo
Co-Supervisor: Holdsworth Stuart
ETH Zürich, Institute for Mechanical Systems ◆

Vacchieri Erica
Creep-fatigue Interaction and small size testing techniques
Supervisor: Mazza Edoardo
Co-Supervisor: Holdsworth Stuart
ETH Zürich, Institute for Mechanical Systems ◆

Yan Wentao
Creep-fatigue crack growth resistance of advanced 10%Cr rotor steels
Supervisor: Mazza Edoardo
Co-Supervisor: Holdsworth Stuart
ETH Zürich, Institute for Mechanical Systems ◆

Mechanical Systems Engineering

Baensch (nee Ritschel) Franziska
Damage evolution in wood and layered wood composites monitored in situ by acoustic emission, digital image correlation and synchrotron based tomographic microscopy
Supervisor: Niemz Peter
Co-Supervisor: Brunner Andreas J.
ETH Zürich, Building Materials ○

Chakraborty Souvik
Interface and load transfer in carbon (nanoparticle) based epoxy composites
Supervisor: Chakraborty Amit K.
Co-Supervisor: Barbezat Michel
NITD, Dept. of Physics, Durgapur IN ◆

Haba Dietmar
Nanocomposites based on epoxy
Supervisor: Pinter Gerald
Co-Supervisor: Brunner Andreas J.
Montanuniversität Leoben (A), Material Science and Testing of Polymers, Leoben AT ◆

Lämmlein Tobias
Bond of HM-CFRP tendons in HPC beams
Supervisor: Lura Pietro
Co-Supervisor: Terrasi Giovanni
ETH Zürich, IFB – Dept. of Civil, Environmental and Geomatic Engineering ◆

Senteler Marco
Rigid body simulation of the human musculoskeletal system - Influence of spinal fusion on the angular displacement of the adjacent vertebras at activities of daily living
Supervisor: Snedeker Jess
Co-Supervisor: Weisse Bernhard
ETH Zürich, Institute for Biomechanics ◆

Tomasikova Zuzana
Hierarchical carbon-fiber composites with tailored interphase obtained via electrophoretic deposition of magnetized and functionalized carbon nanotubes
Supervisor: Studart André
Co-Supervisor: Brunner Andreas J.
ETH Zürich, Dept. of Materials ◆

Toumpanaki Eleni
Durability and bond performance of CFRP tendons in high strength concrete
Supervisor: Lees Janet
Co-Supervisor: Terrasi Giovanni
University of Cambridge, Civil engineering, UK, Dept. of Engineering ○

Weiss Florian
Nanostructures for Artificial Muscles (NAM)
Supervisor: Müller Bert
Co-Supervisor: Kovacs Gabor
Uni BS, Biomaterials Science Center ◆

Mechanics of Materials and Nanostructures

Bolla Ferrucio
Functionalisation of biomaterials by Atomic Layer Deposition
Supervisor: Burgert Ingo
Co-Supervisor: Utke Ivo, Institut für Baustoffe

Domanski Daniel
Stainless steel microcomponents by UV LIGA: synthesis and caracterisation
Co-Supervisor: Mischler Stefano
EPF Lausanne, Material Science Dept. ◆

Guerra Nuñez Carlos
Atomic Layer Deposition for Energy Conversion Applications
Co-Supervisor: Park Hyung Gyu
ETH Zürich, Dept. of Mechanical and Process Engineering ◆

Mieszala Maxime
Mechanical properties of 3D metallic architectured materials
Co-Supervisor: Mischler Stefano
EPF Lausanne, Materials Science Dept. ◆

Thomas Keith
Combinatorial studies of mechanical properties of multilayer thin films
Co-Supervisor: Spolenak Ralph
ETH Zürich, Materials Science Dept. ◆

Wehrs Juri
Mechanical Properties of Nanocrystalline Metals
Co-Supervisor: Mischler Stefano
EPF Lausanne, Materials Science Dept. ◆

Multiscale Studies in Building Physics

Abbasion Saeed
Modeling of heat and mechanical effects during wood welding
Supervisor: Carmeliet Jan
Co-Supervisor: Derome Dominique
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ○

Berry Tarl
Optimisation of multi-scale ventilated package design for next-generation forced-air precooling strategies of horticultural produce
Supervisor: Opara Linus
Co-Supervisor: Defraeye Thijs
University of Stellenbosch, Dept. of Horticultural Science, Stellenbisch, ZA ◆

Chen Mingyang
Sorption induced deformations of microporous material.
Supervisor: Carmeliet Jan
Co-Supervisor: Derome Dominique
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Dash Monika
TBD
Supervisor: Carmeliet Jan
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ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Dorostkar Omid
Numerical Modeling of frictional behavior of saturatede fault gouge: insights toward earthquake triggering.
Supervisor: Carmeliet Jan
Co-Supervisor: Derome Dominique
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Immer Marc
Mechanisms and scaling of turbulent transfer within the urban canopy layer
Supervisor: Carmeliet Jan
Co-Supervisor: Allegrini Jonas
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Ito Parada Marcelo
The physics of wicking of textiles
Supervisor: Carmeliet Jan
Co-Supervisor: Derome Dominique
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Kanesan Christian
TBD
Supervisor: Carmeliet Jan
Co-Supervisor: Defraeye Thijs
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Kulasinski Karol
Adsorption and swelling of complex porous media investigated with molecular dynamics simulation
Supervisor: Carmeliet Jan
Co-Supervisor: Derome Dominique
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ○

Lal Sreeyuth
Multiscale Investigation and numereical Modeling of imbition, drainage and drying of a macroporous media
Supervisor: Carmeliet Jan
Co-Supervisor: Derome Dominique
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Lee Jae Bong
Wetting of building façadesby wind driven rain in the urban context
Supervisor: Carmeliet Jan
Co-Supervisor: Derome Dominique
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ○

Lemrich Laure
Active and passive noise monitoring of granular media under different loading (compression /shear) and relation to macroscopic response and grain scale characteristics.
Supervisor: Carmeliet Jan
Co-Supervisor: Derome Dominique
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Magnier Laurent
Measurement, Analysis and Modeling of non-isothermal low-velocity desplacement ventilation jets
Supervisor: Zmeureanu Radu
Co-Supervisor: Derome Dominique
Concordia University, Building, Civil and Environment Engineering, Montreal, CA ○

Multiscale Studies in Building Physics

Manickathan Lento
CFD study of impact of vegetation on heat isalnd effect.
Supervisor: Carmeliet Jan
Co-Supervisor: Defraeye Thijs
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Prawiranto Kevin
Solardrying of soft cellular materials: a multiscale approach.
Supervisor: Carmeliet Jan
Co-Supervisor: Defraeye Thijs
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Rogge Seppe
Geometric modelling of fruit based on X-ray CT images
Supervisor: Nicolai Bart
Co-Supervisor: Defraeye Thijs
KU Leuven, Dept. of Biosystems, Leuven, BE ◆

Son Soyoun
Lattice Boltzman simulation of transport in porous media with application to porous asphalt.
Supervisor: Carmeliet Jan
Co-Supervisor: Derome Dominique
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Vonlanthen Marcel
Microscale climatic modelling
Supervisor: Carmeliet Jan
Co-Supervisor: Allegrini Jonas
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Zhang Chi
Multiscale Modelling of wood cell S2 layer: Understanding wood swelling and moisture-induced shape memory.
Supervisor: Carmeliet Jan
Co-Supervisor: Derome Dominique
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Nanoscale Materials Science

Bliersbach Andreas
Hydrogen storage in metal-intercalated fullerides
Supervisor: Ernst Karl-Heinz
Co-Supervisor: Ernst Karl-Heinz
Uni ZH ◆

Fischer Maria
Al-based Oxynitride Coatings
Supervisor: Hug Hans Josef
Co-Supervisor: Patscheider Jörg
Uni BS, Inorganic Chemistry ◆

Gehrig Jeffrey
Entropic forces
Supervisor: Hug Hans
Co-Supervisor: Marioni Miguel
Uni BS, Dept. of Physics ◆

Li Jingyi
Li-buckybowls hybrid materials for energy storage
Supervisor: Ernst Karl-Heinz
Co-Supervisor: Ernst Karl-Heinz
Uni ZH ◆

Mairena Anais
Chiral molecules at surfaces
Supervisor: Ernst Karl-Heinz
Co-Supervisor: Ernst Karl-Heinz
Uni ZH ◆

Rieger Alexandra
Physical properties of buckybowls for
Supervisor: Ernst Karl-Heinz
Co-Supervisor: Ernst Karl-Heinz
Uni ZH ◆

Schwenk Johannes
Friction across Phase Transitions
Supervisor: Hug Hans Josef
Co-Supervisor: Marioni Miguel A.
Uni BS, Dept. of Physics ◆

Srivastava Gitika
Molecular machines
Supervisor: Ernst Karl-Heinz
Co-Supervisor: Ernst Karl-Heinz
Uni ZH ◆

Nanoscale Materials Science	**Trant Mathis** Plasma Parameters and Particle fluxes during Deposition of Transparent Hard Coatings Supervisor: Hug Hans Josef Co-Supervisor: Patscheider Jörg ETH Zürich ◆
	Zhang Xue Exchange-coupled transition metal - rare earth ferrimagnet multilayers investigated by MFM Supervisor: Hug Hans Josef Co-Supervisor: Marioni Miguel A. Uni BS, Dept. of Physics ◆
nanotech@surfaces	**Deniz Okan** Oxide Intercalation for Electronic Decoupling of Graphene Nano Ribbons on Metal Substrates Supervisor: Greber Thomas Co-Supervisor: Fasel Roman/Ruffieux Pascal Uni ZH ◆
	Shinde Prashant Computational design of graphene based nanostructures Supervisor: Sigrist Manfred Co-Supervisor: Passerone Daniele ETH Zürich ◆
	Söde Hajo Electronic structure of graphene nanoribbons Supervisor: Fasel Roman Co-Supervisor: Ruffieux Pascal Uni BE ○
	Stolz Samuel Chiral Intermetallic Surfaces for Enantioselective Reactions Supervisor: Brune Harald Co-Supervisor: Widmer Roland EPF Lausanne ◆
	Talirz Leopold Challenges in the Characterization of Bottom-Up Fabricated Graphene Nanoribbons Addressed by Ab Initio Simulations Supervisor: Hutter Jürg Co-Supervisor: Pignedoli Carlo Uni ZH ○
	Yakutovich Aliaksandr Computational insight into surface chemical reactions within a nanoscience laboratory Supervisor: Hutter Jürg Co-Supervisor: Passerone Daniele Uni ZH ◆
Particles-Biology Interactions	**Aengenheister Leonie** Establishment and use of a perfused Transwell model to study nanoparticle-placenta interactions Supervisor: Sturla Shana J. Co-Supervisor: Buerki Tina ETH Zürich, Dept. of Health Sciences and Technology (Dept. of Health Sciences and Technology) ◆
	Civardi Chiara Assessment of the effectiveness and environmental risk of copper particles based wood preservatives Supervisor: Burgert Ingo Co-Supervisor: Wick Peter/ Schwarze Francis Dept. of Civil, Environmental and Geomatic Engineering
	Grafmüller Stefanie Nanoparticle transport across the human placenta Supervisor: Krug Harald Co-Supervisor: Wick Peter/Von Mandach Ursula Uni BE, Gradualte School for Cellular and Biomedical Sciences ○
	May Sarah Nanogenotoxicology and DNA repair mechanisms Supervisor: Bürkle Alexander Co-Supervisor: Hirsch Cordula Uni Konstanz, Molecular Toxicology Group, Konstanz, DE ◆
	Muoth Carina Advanced placental in vitro co-culture model to study nanoparticle uptake mechanisms and placental effects Supervisor: Nägeli Hanspeter Co-Supervisor: Buerki-Thurnherr Tina Uni ZH, Veterinärpharmakologie und –toxikologe, Microbiology and Immunology ◆
Protection and Physiology	**Abrishamkar Afshin** Work title: Exploration of site-specific crystal growth and device fabrication employing microfluidic technologies Supervisor: deMello Andrew Co-Supervisor: Puigmarti Josep ETH Zürich, Biochemical Engineering ◆

Protection and Physiology

Bösiger Peter
Development of a smart bio composite wound dressing
Supervisor: Schwarze Francis/Willis Matthew Robert
Co-Supervisor: Fortunato Giuseppino
Albert-Ludwigs-Universität, Institut für Forstbotanik, Freiburg, DE ◆

Dabrowska Agnieszka
Advanced physical skin models to simulate friction of human skin
Supervisor: Spencer Nicholas
Co-Supervisor: Rotaru Gelu-Marius
ETH Zürich, Dept. of Materials ◆

Ghimre Bhuwan
not defined yet
Supervisor: Decurtins Silvio
Co-Supervisor: Puigmarti Josep
Uni BE ◆

Koelblen Barbara
Builing user Simulator – a novel tool to advance the energy Efficiency in built environment
Supervisor: Bogdan Anna
Co-Supervisor: Psikuta Agnes
Warsaw University of Technology, Dept. of Heating and Air Conditioning, Warsaw, PL ◆

MacRae Braid
Non invasive monitoring of the human body's thermal status
Supervisor: Spengler-Walder Christina
Co-Supervisor: Annaheim Simon
ETH Zürich, Dept. of Health Sciences and Technology ◆

Martinez Guillamon Natividad
Prediction of wearing comfort of bicycle helmets
Supervisor:
Co-Supervisor: Rossi René
Universidad Politécnica de Valencia, Valencia, ES ○

Mert Emel
Thermal Effects of the Air Gap and the Contact area in Various Body Postures
Supervisor: Bueno Marie-Ange
Co-Supervisor: Psikuta Agnieszka
Université de Haute Alsace, Textile Institute, Mulhouse, FR ◆

Mertgen Anne-Sophie
Decoration of polymer fibers with cell adhesive proteins/protein fragments for improved attachement endothelial cells in bood propulsion systems
Supervisor: Vogel Viola
Co-Supervisor: Maniura Katharina

Quandt Brit Maike
Optical fiber textiles in non-invasive medical applications for continuous treatment
Supervisor: Bona Gian-Luca
Co-Supervisor: Scherer Lukas
ETH Zürich ◆

Schmid Ramon
TBD
Supervisor:
Co-Supervisor: TBD
Uni BE ◆

Ulrich Sebastian
Photo- and magneto-switchable membranes
Supervisor: Bruns Nico
Co-Supervisor: Boesel Luciano
Uni FR ◆

Weidenbacher Lukas
Development of a blood-compatible membrane
Supervisor: Ferguson Stephen
Co-Supervisor: Fortunato Giuseppino
ETH Zürich, Dept. of Health Sciences and Technology ◆

Wettenschwiler Patrick
Spinal load
Supervisor: Ferguson Stephen
Co-Supervisor: Rossi René
ETH Zürich ◆

Widmer Susanne
Polymer Optical Fibre Sensor
Supervisor: Constable Edwin Charles
Co-Supervisor: Scherer Lukas
Uni BS, Philosophische, Naturwissenschaftliche Fakultät ○

Protection and Physiology

Yazgan Gökçe
Electrospinning for scaffolds
Supervisor:
Co-Supervisor: Maniura Katharina
ETH Zürich, Dept. of Health Sciences and Technology ◆

Reliability Science and Technology

Butti Pascal
Graphene RGB
Supervisor: Ensslin Klaus
Co-Supervisor: Sennhauser Urs
ETH Zürich ◆

Gagnidze Tornike
Dielectric enhancement for high DC cuprat super conductors
Supervisor: Bona Gian-Luca
Co-Supervisor: La Mattina Fabio
ETH Zürich ◆

Liu Yu
ILATO
Supervisor: Wagner Konrad
Co-Supervisor: Sennhauser Urs
ETH Zürich ◆

Pagani Francesco
TBD
Supervisor: Patzke Greta
Co-Supervisor: Sennhauser Urs
Uni ZH ◆

Römmeler Arno
NOQAPTJ Non-destructive quality assessment of polymer tube joints
Supervisor: Daraio Chiara
Co-Supervisor: Neuenschwander Jürg
ETH Zürich, Chair of mechanics and materials ◆

Stritt Carina
CTOMES
Supervisor: Löliger Hans-Andrea
Co-Supervisor: Sennhauser Urs
ETH Zürich ◆

Valzania Lorenzo
Thz imaging and modeling of the interface
Supervisor: Feurer Thomas
Co-Supervisor: Hack Erwin
University of Bologna, Bologna, IT ◆

Structural Engineering

Boberg Klara Maria
Distributed Attenuation of Wind-Induced Vibration in Long-Span Bridges
Supervisor: Martinoli Alcherio
Co-Supervisor: Feltrin Glauco
EPF Lausanne, EPF Lausanne, School of Architecture, Civil and Environmental Engineering ◆

Ehrhart Thomas
Homogenes und kombiniertes Buchen-BSH - Technische Grundlagen zur Marktimplementierung als Bauprodukt
Supervisor: Frangi Andrea
Co-Supervisor: Steiger René
ETH Zürich, Institut für Baustatik und Konstruktion ◆

Ghafoori Elyas
Fatigue Strengthening of Metallic Members using Un-bonded and Bonded CFRP Laminates
Supervisor: Fontana Mario
Co-Supervisor: Motavalli Masoud
ETH Zürich ○

Ginés Rebekka
Electrostatic modification of the bending stiffness of structural elements
Supervisor: Ermanni Paolo
Co-Supervisor: Motavalli Masoud
ETH Zürich ○

Harmanci Yunus Emre
Long-term Resistance of Gradient Anchorage for Prestressed CFRP Strips in Structural Concrete Retrofitting' (LoReGra)
Supervisor: Chatzi Eleni
Co-Supervisor: Michels Julien
ETH Zürich, Institute of Structural Engineering ◆

Hosseini Ardalan
Mixed-mode fatigue strengthening of metallic members using CFRP plates
Supervisor: Nussbaumer Alain
Co-Supervisor: Motavalli Masoud
EPF Lausanne, EPF Lausanne, Steel Structures Laboratory ICOM ◆

Structural Engineering

Jalsan Khash-Erdene
Wireless Sensor Network Planning for Structural Health Monitoring
Supervisor: Martinoli Alcherio
Co-Supervisor: Feltrin Glauco
EPF Lausanne, EPF Lausanne, School of Architecture, Civil and Environmental Engineering ◆

Martins João
Updated braking forces for the assessment of road bridges
Supervisor: Beyer Katrin
Co-Supervisor: Feltrin Glauco
EPF Lausanne, EPF Lausanne ◆

Sadeghi, Marzaleh Abdola
Seismic in-plane behavior of post-tensioned existing clay brick masonry walls
Supervisor: Marti Peter
Co-Supervisor: Motavalli Masoud
ETH Zürich, Insitute of Structural Engineering ○

Technology and Society

Ahmadi Achachlouei Mohammad
Exploring the effects of ICT on environmental sustainability: From life cycle assessment to complex systems modeling
Supervisor: Finnveden Göran
Co-Supervisor: Hilty Lorenz
KTH Royal Institute of Technology, Division of Environmental Strategies Research, Stockholm, SE ○

Bornhöft Nikolaus
Ereignisdiskrete Modellierung von Stoffflüssen in der Umwelt unter Unsicherheit (Arbeitstitel)
Supervisor: Hilty Lorenz
Co-Supervisor: Nowack Bernd
Uni ZH, Institute for Infomatics ◆

Caballero Alejandro
TBD
Supervisor: Nowack Bernd
Co-Supervisor: Nowack Bernd
ETH Zürich ◆

Holm Stefan
Developing an Agent-based Model of the Swiss Wood Market (working title)
Supervisor: Hilty Lorenz
Co-Supervisor:
Uni ZH, Institute for Infomatics ◆

Huber Martina
Understanding Stakeholder Engagement in Requirements Engineering: Exploring Game-based Elicitation Methods for the Development of Sustainable Software Systems (working title)
Supervisor: Glinz Martin
Co-Supervisor: Hilty Lorenz
Uni ZH, Institute for Infomatics ◆

Müller Sandra
Development of a framework for the classification and evaluation of urban mines
Supervisor: Williams Ian
Co-Supervisor: Wäger Patrick
University of Southhampton, Centre for Environmental Sciences, Southampton, UK ◆

Reinhard Jürgen
Regionalization in Life Cycle Inventory Modeling: A method for the integration and use of spatial data in Life Cycle Assessment (working title)
Supervisor: Hilty Lorenz
Co-Supervisor:
Uni ZH, Institute for Infomatics ◆

Restrepo Eliette
Towards an Optimal Recovery of Critical Metals from End of Life Vehicles
Supervisor: Müller Daniel
Co-Supervisor: Wäger Patrick/Widmer Rolf
Norwegian Institute of Science and Technology, Dept. of Energy and Process Engineering , Trondheim, NO ◆

Restrepo Eliette
Towards an Optimal Recovery of Critical Metals from End of Life Vehicles
Supervisor: Müller Daniel
Co-Supervisor: Wäger Patrick/Widmer Rolf
Norwegian Institute of Science and Technology, Dept. of Energy and Process Engineering, Trondheim, NO ◆

Sun Tianyin
Development and applications of dynamic probabilistic material flow modeling for estimation of quantity and property of engineered nanomaterials released to environmental compartments
Supervisor: Hungerbühler Konrad
Co-Supervisor: Nowack Bernd
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Technology and Society

Wang Yan
TBD
Supervisor: Nowack Bernd
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Yuliyan Maksimov
Towards Sustainable Software Engineering for the Internet of Things
Supervisor: Hilty Lorenz
Co-Supervisor: Meyer Sonja
Uni ZH, Informatics ◆

Thin Films and Photovoltaics

Andres Christian
TBD
Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Romanyuk Yaroslav
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Avancini Enrico
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Supervisor: Tiwari Ayodhya Nath
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Bissig Benjamin
Microscopic and macroscpic investigation of electrical properties in thin film solar cells
Supervisor: Tiwari Ayodhya Nath
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Feurer Thomas
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Supervisor: Tiwari Ayodhya Nath
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Fu Fan
Perovskite-CIGS Tandem Solar Cell
Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Buecheler Stephan
ETH Zürich, Dept. of Information Technology and Electrical Engineering ◆

Fuchs Peter
Chemical bath deposition of ZnO:Al transparent conducting electrodes
Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Romanyuk Yaroslav
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Gretener Christina
Design and stability of backcontacts for CdTe thin film solar cells
Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Buecheler Stephan
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Guntlin Christoph
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Supervisor: Kovalenko Maksym
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Haass Stefan
Kesterite absorber materials for thin film solar cells
Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Romanyuk Yaroslav
ETH Zürich, Dept. of Information Technology and Electrical Engineering, Uni Karlsruhe, DE ◆

Jäger Timo
Magnetron sputtering of electrical contacts for thin film solar cells
Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Romanyuk Yaroslav
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Keller Debora
Electron Microscopy of CIGS solar cells
Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Erni Rolf
ETH Zürich, Dept. of Information Technology and Electrical Engineering ◆

Lingg Martina
TBD
Supervisor: Tiwari Ayodhya Nath
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Thin Films and Photovoltaics

Löckinger Johannes
TBD
Supervisor: Tiwari Ayodhya
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ETH Zürich ◆

Meng He
TBD
Supervisor: Kovalenko Maksym
Co-Supervisor: Kovalenko Maksym
ETH Zürich, Dept. of Chemistry and Applied Biosciences ◆

Rawlence Michael
Solid state electrolyte and thin film cathod materials for battery application
Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Buecheler Stephan
ETH Zürich, Disaster Management Advice & Training ◆

Reinhard Patrick
Process and interface engineering for high efficienc Cu (In, Ga) Se2 solar cells
Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Buecheler Stephan
ETH Zürich, Dept. of Information Technology and Electrical Engineering ○

Walter Marc
Novel high-energy electrode materials for Na-ion batteries
Supervisor: Kovalenko Maksym
Co-Supervisor: Kovalenko Maksym
ETH Zürich, Dept. of Chemistry and Applied Biosciences ◆

Wang Shutato
TBD
Supervisor: Kovalenko Maksym
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Werner Melanie
TBD
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Urban Energy Systems

Cutic Tomislav
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Supervisor: Carmeliet Jan
Co-Supervisor: Orehounig Kristina
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Hohmann Marc
TBD
Supervisor: Carmeliet Jan
Co-Supervisor: Dorer Viktor
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Marquant Julien
TBD
Supervisor: Carmeliet Jan
Co-Supervisor: Dorer Viktor
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Mavromatidis Georgios
TBD
Supervisor: Carmeliet Jan
Co-Supervisor: Orehounig Kristina
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Miglani Somil
TBD
Supervisor: Carmeliet Jan
Co-Supervisor: Orehounig Kristina
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Morvaj Boran
TBD
Supervisor: Carmeliet Jan
Co-Supervisor: Dorer Viktor
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Waibel Christoph
TBD
Supervisor: Carmeliet Jan
Co-Supervisor: Evins Ralph
ETH Zürich, Dept. of Civil, Environmental and Geomatic Engineering ◆

Teaching Activities

Swiss Federal Institute of Technology, Zürich (ETH)

	Romanyuk Yaroslav, Tiwari Ayodhya, Buecheler Stephan Solar Cells
Architecture	**Brunner Dominik, J. Carmeliet, C. Schär, H. Wernli, J. M. Wunderli** Building Physics IV: Urban Physics
	Carmeliet Jan Building Physics 1: heat Building Physics 3: Energy and Comfort Building Physics 4: Urban Physics Building Physics: Moisture and Durability
	Carmeliet Jan Master in Integrated Building Systems 3: Building Physics / Master of Integrated Building Systems 3: Urban Physics
	Derome Dominique, Jan Carmeliet Building Physics: Theorie and Applications
	Dorer Viktor, A. Schlueter Energie und Klimasysteme
	Dorer Viktor, Orehounig K., Evins R., Schlueter A. Building Systems
	Eggenschwiler Kurt Raumakustik
	Evins Ralph, J. Lygeros, R. Smith, C. Gaehler Building Automation and Control
	Evins Ralph, K. Orehounig Building Simulation
	Evins Ralph, K. Orehounig, V. Dorer, A. Schlueter Building Systems
	Koebel Matthias Materials and Constructions
	Koebel Matthias, Winnefeld F., von Trzebiatowski O., Zimmermann Schütz T. A. Building Materials I
	Orehounig Kristina, J.Carmeliet Buildign Physics
	Orehounig Kristina, J. Carmeliet, D. Derome, R. Evins, V. Dorer, A. Schlüter Building Systems/Simulation 066-0422-16 G / 066-0418-00L
	Schoenwald Stefan, M. Fontana, R. Geissler, K. M. Udert Indoor Environment, Resources and Safety
	Winnefeld Frank Mineral building materials as part of the lecture «Baumaterialien I: Struktur-Eigenschaften-Verwendung», Bachelor Programme Architecture
	Zimmermann Tanja Baumaterialien I
Chemistry and Applied Biosciences	**Kovalenko Maksym, Kotyrba Martin, Viciu Liliana** Anorganische Chemie II
	Kovalenko Maksym, Romanyuk Yaroslav, Lippert Thomas Functional Inorganics
	Romanyuk Yaroslav, Kovalenko Maksym, Lippert Thomas Functional Inorganics
Civil Engineers	**Zimmermann Tanja** Holzphysik
Civil, Environmental amd Geomatic Engineering	**Buchmann Brigitte, Hofer Peter** Luftreinhaltung
	Hofer Peter, Buchmann Brigitte Luftreinhaltung
	Burgert Ingo Holz und Holzwerkstoffe

Swiss Federal Institute of Technology, Zürich (ETH)

Civil, Environmental amd Geomatic Engineering	**Burgert Ingo** Holzbe- und Verarbeitung
	Burgert Ingo Holzphysik
	Burgert Ingo Holzstruktur und Funktion
	Burgert Ingo Werkstoffe I, Werkstoffe IV
	Eggenschwiler Kurt, Wunderli Jean Marc Lärmbekämpfung
	Gerecke Andreas, Henne Stefan Air Pollution modelling and chemistry
	Griffa Michele, Lura Pietro, Wyrzykowski Mateusz Shrinkage and Cracking of Concrete: Mechanisms and Impact on Durability
	Henne Stephan Air pollution modeling and chemistry
	Kläusler Oliver Holzbe- und Verarbeitung
	Leemann Andreas Alkali-aggregate reaction in concrete, part of the «Concrete Science» course
	Loser Roman, Carmelo Di Bella Werkstoffe III - Beton: Technologie, Festigkeit, Verformbarkeit
	Lura Pietro, Mateusz Wyrzykowski, Michele Griffa Shrinkage and Cracking of Concrete: Mechanisms and Impact on Durability
	Motavalli Masoud, Czaderski Christoph, Feltrin Glauco, Ghafoori Elyas, Michels Julien, Widmann Robert, Shahverdi Moslem Fibre composite material in strutrual Engineering
	Rüggeberg Markus Werkstoffe III
	Steiger René Erdbebengerechte Konzeption Bemessung und Konstruktion von Holzbauten
	Steiger René Holz und Holzwerkstoffe: Ernte, Strukturmerkmale und Produktion von Vollholz
	Wang Jing Air Quality and Aerosol mechanics
	Wang Jing Environment and Computer Laboratory: Air Quality measurement
	Wang Jing, Burlando Paolo, Hellweg Stefanie, Holzner Markus, Maurer Max, Morgenroth Eberhard, Hansjek Irena, Molnar Peter Environmental Engineering Seminars
	Wang Jing, Schleinbinger Hans Wolfgang, Wick Peter Air Quality and health impact
	Wick Peter, Jing Wang, Hans Schleibinger Health Impact, Toxicity and Industrial Hygiene
	Wyrzykowski Mateusz, Sadegh Ghourchian Werkstoffe III: Mineralische Bindemittel
Electrochemistry & Corrosion	**Partovi Nia Raheleh** experimental technique "Critical Pitting Temperature measurement"
Environmental Systems Science	**Brunner Dominik** Atmosphärenchemie
	Harris Eliza, Roland Werner, Nina Buchmann Definitions and Standards, as part of the one-week course Isotope Ecology
	Liati Anthi, von Quadt Albrecht advanced Geochronology
	Mohn Joachim, Werner Roland, Buchmann Nina, Siegwolf Rolf Stable Isotope Ecology of Terrestrial Ecosystems
	Nowack Bernd, Som Claudia Gesellschaftlicher Umgang mit aktuellen Umweltrisiken
	Nowack Bernd, Bucheli Thomas Nanomaterials in the Environment
Health Sciences and Technology	**Annaheim Simon, Spengler Walder C.** Praktikum Sportphysiologie

Swiss Federal Institute of Technology, Zürich (ETH)

Health Sciences and Technology	**Maniura Katharina** Biocompatible Materials
	Maniura Katharina Principles in Tissue Engineering
	Rossi René Sportphysiologie
	Rossi René Thermoregulation und Sporttextilien
Health Sciences and Technology and Chemistry and Applied Biosciences	**Stämpfli Rolf, Schmitt Kai-Uwe** Biomechanik von Sportverletzungen und Rehabilitation: – Mechanische Prüfung von Schutzausrüstung
Information Technology and Electrical Engineering	**Buecheler Stephan, Romanyuk Yaroslav, Tiwari Ayodhya N.** Solar Cells
	Heutschi Kurt Acoustics 1, Acoustics 2
	Sennhauser Urs, Grossmann Günter Physik der Ausfälle und Ausfallanalyse elektronischer Schaltungen
	Sennhauser Urs, Held Marcel Zuverlässigkeit von Schaltungen und Systemen
	Tiwari Ayodhya Nath, Yaroslav Romanyuk, Stephan Buecheler Solar Cells
Institut für Fluiddynamik	**Spiteri Alexander, Roesgen Thomas** Experimental Methods for Engineers
Institut of Energy Technology	**Bach Christian, Kyrtatos Panos** Impact of oil Quality on fuel consumption of IC engines
Institute for Atmospheric and Climate Science	**Reimann Stefan, Peter Thomas, Stenke Andrea** Stratospheric chemistry
Institute of Technology in Architecture	**Defraeye Thijs** Building Physics II: Moisture
	Defraeye Thijs, Jan Carmeliet Moisture and Durability
Laboratorium für Aerothermochemie und Verbrennungssysteme	**Spiteri Alexander, Herrmann Kai** Diagnostics in Experimental Combustion Research
Labors für Umwelt-ingenieurwissenschaften	**Tuchschmid Martin, Urs Gfeller** Mobile Röntgenfluoresezenz-Spectrometrie
Materials	**Barbezat Michel, Roth Manfred, Graule Thomas** Integrity of Materials and Structures
	Burgert Ingo Biological und bioinspired materials
	Cabane Etienne Biological und bioinspired materials
	Clemens Frank Verbundwerkstoffe
	Clemens Frank, Givoanni Terrasi Advanced Composite and Adaptive Material Systems
	Erni Rolf, Gross H., Gerstl S., Gramm F., Krumeich F., Kunze K., Wepf R. A. (all ETHZ) Electron Microscopy in Materials Science
	Ernst Karl-Heinz Biomineralization
	Graule Thomas, Kübler Jakob Integrity of Materials and Structures
	Graule Thomas, Niederberger Markus, Studart André Keramik I
	Hegemann Dirk, Spolenak, Ralph; Studart, Andre Materials at Work II
	Heuberger Manfred, Spencer N.D., L. Isa Surfaces, Interfaces & their applications
	Kübler Jakob, Schlüter A. D. Material Science II, part mechanical properties of ceramics

Swiss Federal Institute of Technology, Zürich (ETH)	Materials	**Passerone Daniele, Vande Vondele Joost** Molecular and Materials Modeling
		Patscheider Jörg, Many others Praktikum PIII
		Schmutz Patrik, Olga Guseva, Emilija Ilic Practical course III/IV: Introduction in Electrochemical Impedance Spectroscopy (EIS) Examples of batteries and anodized barrier oxides characterization
		Terrasi Giovanni P., Kovacs Gabor, Clemens Frank Advanced Composite and Adaptive Material Systems
	Materials Sciences	**Pokrant Simone, Dilger Stefan, Landsmann Steve, Surace Yuri, Trottmann Matthias** Praktikum Materialsynthese und Charakterisierung
	Materials Science / Materials	**Schmutz Patrik, Elsener B.** Surfaces, Interfaces and their Applications II
	Mechanical and Process Engineering	**Bergamini Andrea** Adaptive Materials for Structural Applications
		Dimopoulos Eggenschwiler Panayotis, Boulouchos Konstantinos IC-Engines and Propulsion Systems II
		Hack Erwin, Brönnimann Rolf Optical Methods in Experimental Mechanics
		Koller Roland, Guillaume Michel Betriebsfestigkeit
		Kovacs Gabor AK Seilbahnen
		Kovacs Gabor Seilbahnen
		Liao Yujun, Rösgen Thomas Experimental Methods for Engineers
		Mazza Edoardo Continuum Mechanics I
		Mazza Edoardo Kinematik und Statik
		Mazza Edoardo Kinematik und Statik (Kolloquium)
		Prof Mazza Edoardo, Röhrnbauer Barbara Nonlinear Continuum Mechanics
		Terrasi Giovanni P. GL zum Bemessen von Kunststoffbauteilen
		Zemp Armin Turbomachinery Mechanics & Dynamics
	Mechanical and Process Engineering / LAV	**Kammermann Thomas, Boulouchos Konstantinos** Combustion and Reactive Processes in Engergy an Materials Technologies
		Kammermann Thomas, Herrmann Kai Diagnostics in Experimental Combustion Research
AGH Krakow, PL	Faculty of material science and ceramics	**Graule Thomas** Synthesis of nanosized particles and their application in nanoceramics and nanocomposite technology
Chinese Academy of Sciences, Beijing, CN	National Center for Nanoscience and Technology	**Krug Harald** Nanotechnology versus Nanotoxicology: the Technology of the 21st Century needs a Toxicology of the 21st Century
École Polytechnique Fédérale, Lausanne (EPF)	Atmospheric Chemistry Modelling Laboratory	**Reimann Stefan, Takahama Satoshi** Measurements of air pollutants
	Doctoral School for photonics EDPO	**Nüesch Frank, Yaroslav Romanyuk, Franz Haug (EPFL)** Modern Photovoltaic Technologies
	EDPO-Doctoral school	**Romanyuk Yaroslav, Nüesch Frank, Haug Franz-Josef** Modern photovoltaic technologies
	EPF Microcity Neuchâtel	**Dommann Alex** HIM 2015
	Institut für Materialwissenschaften	**Nüesch Frank** Organic Semiconductors (lecture 2h per week, exercise 1h per week)
	Materials	**Philippe Laetitia, Mischler Stefano, Van Herle Jan** Electrochemistry for Materials Technology
	Material Science	**Michler Johann** Material Selection

École Polytechnique Fédérale, Lausanne (EPF)	Materials Science and Engineering	**Dommann Alex** X-Ray Analysis for thin films
	Materials Science, Laboratory of Construction Materials	**Lothenbach Barbara** Thermodynamic modelling and determining solid solution limits
	Mechanical Engineering	**Pokrant Simone, Sophia Haussener** Stationary electrochemical storage: batteries
	Microtechnique	**Hoffmann Patrik** Chimie des Surfaces
	Microtechnique; Materials Science and Engineeirng, Mechanical Engineering	**Hoffmann Patrik** Laser Microprocessing
	Powder Technology Laboratory	**Krug Harald, Heinrich Hofmann** Nanoparticles for medical Applications
	School of Eingineering	**Vaucher Sébastien, Michler Johann, Siegmann Stephan** Materials Selection
	Tribology and Interfacial Chemistry (TIC)	**Schmutz Patrik** Passivation and localized corrosion
Fachhochschule Dornbirn, AT und NTB Buchs	Materias Science	**Maeder Xavier** Masterstudiengang in Mikro- und Nanotechnologie
		Michler Johann Masterstudiengang in Mikro- und Nanotechnologie
Fachhochschule Nordwestschweiz	MNT	**Erni Rolf, Karsten Kunze** Electron Microscopy and Chemical Analysis
	Energie- und Umwelttechnik	**Gerecke Andreas, Bogdal Christian** Umweltchemie
	Hochschule für Life Sciences	**Hauert Roland** State of the art and failure mechanisms of DLC coated articulating joint replacements"
		Wäger Patrick Studiengang Energie- und Umwelttechnik: Modul Abfallwirtschaft und Recyling
Fachhochschule Vorarlberg, Dornbirn, AT		**Bruinink Arie** Masterstudiengang Micro- and Nanotechnology (MNT)- Part Laser Microscopy
		Urs Sennhauser, Brönnimann Rolf/Hack Erwin/Jacob Peter/ MNT Micro- and Nanotechnology / Berufsbegleitendes Masterprogramm
	Chemie	**Graule Thomas** Nanopowders and Nanocomposites
	Micro- and Nanotechnology (MNT)	**Hauert Roland** 5. Masterstudiengang Micro- and Nanotechnology (MNT) der Euregio Bodensee (FH Dornbirn) in Dübendorf
Fachhochschule Vorarlberg, Schlosshofen		**Gröning Pierangelo** Masterkurs Mikro- & Nanotechnologie/ Tribologie
		Gröning Pierangelo, Roland Hauert Masterkurs Mikro- & Nanotechnologie/ Chemical Surfaces Analysis
		Gröning Pierangelo, Roland Widmer Masterkurs Mikro- & Nanotechnologie/ Einführung in die Atom- und Quantenphysik
Fernfachhochschule Schweiz (FFHS)	Technik / Engineering	**Wasmer Kilian, Meylan Bastian** Einführung in die Tribologie & Metallographie
Hochschule Luzern HSLU	Engineering and Architecture	**Dorer Viktor** Natural and Urban Ventilation
Höhere Fachhschule für Technik und Management, Wallisellen		**Hischier Roland** Ökologie
KTH Royal Institute of Technology, Stockholm, SE	FMS Environmental Strategies Research	**Hilty Lorenz** Sustainable Development for Computer Science and Engineering (Hallbar utweckling för datatecknik)
		Hilty Lorenz Sustainable Development, ICT and Innovation
MNT-Masterkurs Euregio Bodensee		**Ruffieux Pascal, Widmer Roland** Scanning Tunneling Microscopy (STM)
		Widmer Roland Oberflächenanalytik und Rastertunnelmikroskopie (XPS/STM)

MNT-Masterkurs Euregio Bodensee	MNT-Bodenseemaster	**Dommann Alex** X-Ray analysis
		Widmer Roland, Pierangelo Gröning Introduction: Atom- and Quantumphysics
Schweizerisches Verpackungsinstitut (SV), Zürich	Packaging Manager / Grundlagenseminar	**Hischier Roland** Ökologie im Verpackungsbereich
Shanghai University, Shanghai, CN	Materials Genome Institute	**Nüesch Frank** Organic Semiconductors and Devices
Technische Univeristät München, Iffeldorf, DE	Limnologische Station	**Jacob Peter** Einführung in die Rasterelektronenmikroskopie
Technische Universität Freiberg, DE	Verfahrens- und Umwelttechnik	**Graule Thomas, Aneziris Christos** Nanoskale Verbundwerkstoffe: Eine Herausforderung für die Prozesstechnik
Tsinghua University Beijing, CN	Departement of Mechanical Engineering	**Chiodi Mirco** Joining Technologies & Corrosion research activities at EMPA
UNIS, Longyearbyen, Spitzbergen, Svalbard, NO	Arctic Technology	**Reimann Stefan, Schmidbauer Norbert** Techniques for the Detection of Organo-Chemical Pollutants in the Arctic Environment
Universita degli studi Parma, IT	Dipertimento di Energia	**Dimopoulos Eggenschwiler Panayotis, Gambarotta Agostino** Fisica Ambientale
		Dimopoulos Eggenschwiler Panayotis, Gambarotta Agostino IC-Engines
		Dimopoulos Eggenschwiler Panayotis, Gambarotta Agostino Industrial Engineering
Universität Freiburg im Breisgau	Forest Sciences	**Schubert Mark** Dendrologie
		Schwarze Francis Bäume in der Stadt
		Schwarze Francis Pilze als Schlüsselfaktoren in Umweltfragen
	Institute of Earth and Environmental Sciences	**Vogt Ulrich F.** Crystalline Materials: Technical and Applied Mineralogy, Modern Ceramics, Cements, and Glasses
		Vogt Ulrich F. Energie und Georessourcen: Angewandte Mineralogie mit dem Schwerpunkt Keramische Materialien
Universität Freiburg im Breisgau/ Albert Ludwigs Universität Freiburg, DE	Fakultät für Chemie und Pharmazie	**Richter Michael** Surface Functionalization by using Biomolecules
University of Applied Sciences, Berne		**Hischier Roland** Ökologie im Verpackungsbereich
	Medizinische Fakultät, Biomedical Engineering	**Dommann Alex** Applied Biomaterials
		Dommann Alex Biomaterials
University of Applied Sciences, Horw		**Amberg Martin, Hegemann Dirk** Blockwoche Nanotech 2015
		Eggenschwiler Kurt Bau-/Raumakustik CAS Akustik
	Bautechnik	**Loser Roman** Beton und Bindemittel
		Piskoty Gabor Metallische Baustoffe
	Blockwoche TA.OEK_PWG	**Borgschulte Andreas** Energiespeicherung – Wer hat das Ei des Kolumbus mit «jeopardy»
University of Applied Sciences, Konstanz	Nanoscience	**Hug Hans** Scanning Force Microscopy
		Hug Hans, Schwenk Johannes, Zaho Xue, Bacani Mirko Scanning Force Microscopy
		Eggenschwiler Kurt, Hafner Michael, Heutschi Kurt, Tröbs Hans Martin, Wunderli Jean Marc Messpraktikum, CAS Akustik
University of Applied Sciences, Rapperswil	WERZ	**Wäger Patrick, Böni, Heinz, Thiébaud, Esther** Recycling und umweltgerechte Entsorgung

University of Applied Sciences, St. Gall	Business Administration and Engineering	**Wäger Patrick, Gauch, Marcel, Hischier, Roland** MAS BAE, «Umwelt- und Ressourcenmanagement»
University of Applied Sciences, Wädenswil		**Eggenschwiler Kurt** Lärmbekämpfung
	Biotechnology	**Hüglin Christoph** Air pollution and air pollution control
	Institute of Natural Resource Sciences	**Hueglin Christoph, Krebs Rolf** Umweltchemie und Analytik
		Hueglin Christoph Urban Agriculture
		Hüglin Christoph Urban Agriculture, Modul Luftqualität
University of Applied Sciences, Winterthur	Inst. of Materials and Process Engineering	**Hegemann Dirk, Winkler, Martin; Schneider, Toni** Beschichtungen
	Verfahrenstechnik, Department of Industrial Technologies	**Clemens Frank, Dirk Penner** Funktionsmaterialien
	Verkehrssysteme	**Wunderli Jean Marc, Bühler Stefan** Interaktion Strassenverkehr - Umwelt, Fokus Lärm
University of Applied Sciences, Zurich	Business Informatics	**Meyer Sonja, Björn Scheppler** Integration seminar: Impact of digitization on different industries
	Institut für Biotechnologie	**Bach Christian, Baier Urs** Biogene Energieträger
		Bach Christian, Warthmann Rolf Fahrzeugantrieb der Zukunft
	Institute of Applied Mathematics and Physics	**Luchsinger Rolf** Physik III
	Life Sciences	**Heeb Norber** Ökologie
		Zennegg Markus Oekologie
University of Basel	Nanoscience	**Hug Hans, Schwenk Johannes, Zhao Xue, Gehrig Jeffrey, Penedo Marcos, Trant Mathis, Fischer Maria** Introduction to Nanoscience Lecture
	Physics	**Marioni Miguel A. , Hug Hans J.** Magnetismus und magnetische Materialien
	Umweltwissenschaften	**Reimann Stefan** Umweltsystem Atmosphäre: Luftverschmutzung und Klimaerwärmung
		Reimann Stefan, Schaub Monika Aktuelle Umweltprobleme in den Geowissenschaften (Klima, Boden, Stoffkreisläufe)
University of Berne		**Widmer Roland, Okan Deniz** Introduction ESCA
	Architektur, Holz und Bau	**Raab Christiane, Müller Hans Rudi** Strassenbau
		Raab Christiane, Schiffmann Frank, Wittwer Peter, Graf C., Beyeler M. Wahlpflichtmodul Ausgewählte Kapitel Strassenbau
	Chemie und Biochemie	**Fasel Roman** Introduction to the Physics and Chemistry of Surfaces
	Medical Faculty	**Krug Harald, Michael Riffler, Christophe von Garnier, Barbara Rothen** Environment-related Diseases: from Climate Change to Nanotoxicology
	Oeschger Center	**Krug Harald, Peter Stucki, Christoph Raible, Martin Grosjean** Graduate School of Climate Sciences
University of Fribourg	Chemistry	**Neels Antonia** Applied X-ray Diffraction Methods
	Interfakultär	**Züttel Andreas** Umweltwissenschaften, Physik
	Physik	**Züttel Andreas** Physik im Alltag
University of Teheran, IR	Faculty of Civil Engineering	**Motavalli Masoud** Fibre composite material in strutrual Engineering
University of Zurich	Biology	**Maniura Katharina** Regenerative Medicine and Applied Tissue Engineering

University of Zurich	Center for Urban & Real Estate Management	**Ghazi Wakili Karim** Bauphysik: Master of Advanced Studies in Real Estate
	Chemistry	**Borgschulte Andreas** NanoChemistry
		Ernst Karl-Heinz Chemical Processes at Solid Surfaces
		Ernst Karl-Heinz, Jan Helbing Chirality in the Physical Sciences
	Informatics	**Hilty Lorenz** Informatik für Oekonomen III
		Hilty Lorenz Informatik und nachhaltige Entwicklung
		Hilty Lorenz Informatik, Ethik und Gesellschaft
		Hilty Lorenz, Marc Chesney, Markus Huppenbauer, Bernhard Schmid, Piet Spaak, Katharina Michaelowa u.a. Einführung in die Grundlagen der Nachhaltigkeit
		Meyer Sonja, Hilty Lorenz Informatics for Business 3
	Physics	**Deniz Okan** Physics laboratory classes for students in medicine
	Prähistorische Archäologie	**Tuchschmid Martin, Urs Gfeller** Mobile Röntgenfluoreszenz-Spectrometrie
ZHdK Zurich University of the Arts	Music Dept.	**Heutschi Kurt** Audiotechnik

Empa Activities 2015

Publications

Empa staff publish in many national and international scientific and technical journals as well as in daily press and other special organs. Please note that the list below represents only the scientific and technical journals.

General Management

Arroyo Rojas Dasilva, Y./Rossell, M. D./Keller, D./Gröning, P./Isa, F./Kreiliger, T./von Känel, H./Isella, G./Erni, R.
Analysis of edge threading dislocations $\vec{b}=\frac{1}{2}\langle 110\rangle$ in three dimensional Ge crystals grown on (001)-Si substrates. Applied Physics Letters. 2015, 107, 9, Article number 093501 (4 pp.)- (joint paper) ✸

Longtin, R./Sanchez-Valencia, J. R./Shorubalko, I./Furrer, R./Hack, E./Elsener, H./Gröning, O./Greenwood, P./Rupesinghe, N./Teo, K./Leinenbach, C./Gröning, P.
Active vacuum brazing of CNT films to metal substrates for superior electron field emission performance. Science and Technology of Advanced Materials. 2015, 16, 1, 015005 (11p)- (joint paper) ■

Quandt, B. M./Scherer, L. J./Boesel, L. F./Wolf, M./Bona, G. -L/Rossi, R. M.
Body-Monitoring and Health Supervision by Means of Optical Fiber-Based Sensing Systems in Medical Textiles. Advanced Healthcare Materials. 2015, 4, 3, 330–355 (joint paper) ■

Zgraggen, E./Scholder, O./Bona, G. -L/Fontana, F./Alberti, E./Crespi, A./Osellame, R./Scharf, T./Shorubalko, I.
Optical properties of waveguide-coupled nanowires for sub-wavelength detection in microspectrometer applications. Journal of Optics. 2015, 17, 2, Article number 02581 (7 pp.)- (joint paper) ✸

Media Technology

Caluori, U./Simon, K.
DETEXTIVE optical character recognition with pattern matching on-the-fly. Pattern Recognition. 2015, 48, 3, 827–836 ✸

Advanced Materials Processing

Arunnellaiappan, T./Kishore Babu, N./Rama Krishna, L./Rameshbabu, N.
Influence of frequency and duty cycle on microstructure of plasma electrolytic oxidized AA7075 and the correlation to its corrosion behavior. Surface & Coatings Technology. 2015, 280, 136–147 ✸

Advanced Materials and Surfaces

Bidiville, A./Wasmer, K./Van der Meer, M./Ballif, C.
Wire-sawing processes: parametrical study and modeling. Solar Energy Materials & Solar Cells. 2015, 132, 392–402 ✸

Crisan, O./Crisan, A. D./Mercioniu, I./Pantelica, D./Pantelica, A./Vaucher, S./Nicula, R./Stir, M./Vasiliu, F.
Effect of Mn addition on the thermal stability and magnetic properties of rapidly-quenched L10 FePt alloys. Intermetallics. 2015, 65, 81–87 ✸

Hammoud, H./Vaucher, S./Valdivieso, F.
Dielectric and thermal properties of cerium dioxide up to 1000 °C and the effect of the porosity for microwave processing studies. Thermochimica Acta. 2015, 617, 83–89 ✸

Kallip, K./Leparoux, M./AlOgab, K. A./Clerc, S./Deguilhem, G./Arroyo, Y./Kwon, H.
Investigation of different carbon nanotube reinforcements for fabricating bulk AlMg5 matrix nanocomposites. Journal of Alloys and Compounds. 2015, 646, 710–718 (joint paper) ✸

Kwon, H./Lee, G-G/Kim, S. -G/Lee, B. -W/Seo, W. -C/Leparoux, M.
Mechanical properties of nanodiamond and multi-walled carbon nanotubes dual-reinforced aluminum matrix composite materials. Materials Science & Engineering A. 2015, 632, 72–77 ✸

Kwon, H./Leparoux, M./Hwang, K./Choi, J./Kim, K.
Mechanical performance of carbon nanotube-reinforced nanocomposites. Advanced Materials Research. 2015, 110, 60–64

Nicula, R./Crisan, O./Crisan, A. D./Mercioniu, I./Stir, M./Vasiliu, F.
Thermal stability, thermal expansion and grain-growth in exchange-coupled Fe–Pt–Ag–B bulk nanocomposite magnets. Journal of Alloys and Compounds. 2015, 622, 865–870 ✸

Reinke, M./Kuzminykh, Y./Hoffmann, P.
Combinatorial HV-CVD survey of barium triisopropyl cyclopentadienyl and titanium tetraisopropoxide for the deposition of BaTiO3. Physica Status Solidi A. 2015, 212, 7, 1556–1562 ✸

Reinke, M./Kuzminykh, Y./Hoffmann, P.
Low Temperature Chemical Vapor Deposition Using Atomic Layer Deposition Chemistry. Chemistry of Materials. 2015, 27, 5, 1604–1611 ✸

Advanced Materials Processing

Reinke, M./Kuzminykh, Y./Hoffmann, P.
Selective Growth of Titanium Dioxide by Low-Temperature Chemical Vapor Deposition. ACS Applied Materials & Interfaces. 2015, 7, 18, 9736–9743 ✹

Reinke, M./Ponomarev, E./Kuzminykh, Y./Hoffmann, P.
Combinatorial Characterization of TiO2 Chemical Vapor Deposition Utilizing Titanium Isopropoxide. ACS combinatorial science. 2015, 17, 7, 413–420 ✹

Rowthu, S./Böhlen, K./Bowen, P./Hoffmann, P.
Surface 3D micro free forms: Multifunctional microstructured mesoporous α-alumina by in situ slip casting using excimer laser ablated polycarbonate molds. ACS Applied Materials & Interfaces. 2015, 7, 44, 24458–24469 ■

Wurm, A./Herrmann, A./Cornelius, M./Zhuravlev, E./Pospiech, D./Nicula, R./Schick, C.
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Conferences

General Management

Buchmann Brigitte
The Swiss GAW-Site Jungfraujoch, an example of times-series in the alpine region, 12th GCOS Roundtable, Birmensdorf, 03-19 ☘ ○

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Science in support of climate change policy: what can research provide?, 16th Swiss Global Change Day, Bern, 04-01 ☘ ○

Dommann Alex
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Dommann Alex
Spannungsanalyse und Versagen von MEMS-Strukturen, Metallographie-Tagung, Dresden, DE, 09-18 ☘ ○

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Advanced X-ray analytics for innovative coating technologies, Inauguration of Empa's Center for X-ray Analytics, Dübendorf, 12-02 ☘ ○

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Nanomaterialien: Die nächste technologische Revolution, Schweizerische Weiterbildungszentrale: 1. Symposium «Herausforderungen der Zukunft», Meissen, DE, 03-02 ◆ ○

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Atomically Precise Carbon Nanomaterials for Future Electronics, BIT 5th Annual Congress on Nano Science and Technoolgy, Xi'an, China, Xi'an, CN, 09-24 to 09-26 ☘ ○

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Session 302: Nanotubes, Nanoparticles and Nanowires, BIT, 5th Annual Congress on Nano Science and Technoolgy, CN, 09-24 to 09-26 ○

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Additive Manufacturing-Anlagen Made in Switzerland – Notwendigkeit oder Überfluss?, Technische Rundschau: "Professional 3D-Printing und der Werkplatz Schweiz – eine Bestandsaufnahme", Windisch, 10-10 ◆ ○

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Advanced Materials and Surfaces

Advanced Materials Processing

Hammoud Hussein, Valdivieso François, Vaucher Sébastien
Thermal heating during microwave processing for cerium oxide particles packing: multiphysics modelling approach. Study of the effect of particle and neck sizes, International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (IEEE-NEMO), Ottawa, CA, 08-11 to 08-14 ☘

Kwon Hansang, Kawasaki Akira, Leparoux Marc
Mechanical behavior of spark plasma sintered functionally graded nanocomposites, The 11th Pacific Rim Conference of Ceramic Societies (PACRIM 2015), Jeju, KR, 08-30 to 09-04 ☘ ○

Kwon Hansang, Leparoux Marc, Kawasaki Akira
Fabrication of Graphene Oxide-reinforced Aluminum Alloy Matrix Composites by High Energy Ball Milling and Hot-pressing Processes, 3rd International Conference on Powder Metallurgy in Asia (APMA2015), Kyoto, JP, 11-08 to 11-10 ☘ ○

Kwon Hansang, Park Jehong, Kim Kwonhoo, Leparoux Marc
Nanocomposite Materials for High Performance Applications, The 2nd International Conference on Nanomaterials: Fundamentals and Applications, Kosice, SK, 10-26 to 10-28 ☘

Kwon Hansang, Park Jehong, Kim Kwonhoo, Leparoux Marc, Kawasaki Akira
Nanodiamond and Carbon nanotube Reinforced Aluminum Matrix Composite Material Fabricated by Powder Technology, ISAE 2015 – 6th International Symposium on Advanced Engineering, Busan, KR, 10-22 to 10-24 ☘

Le Dantec Marie, Dubach Alban, Unifantowicz Paulina, Vaucher Sébastien
Microwave Processing of Silicon Wafers and Powder: Effect of Size and Impurities, 8th International Workshop on Crystalline Silicon for Solar Cells, Bamberg, DE, 05-05 to 05-08 ◆

Le Dantec Marie, Vaucher Sébastien, Figi Renato, Hoffmann Patrik
Towards Microwave Processing of Silicon Powders: Oxygen Measurements, Photonics Day @ EPFL, Lausanne, 11-06 ◆

Advanced Materials Processing

Leparoux Marc
Light weight improved metal-composites reinforced with nanoparticulate materials, The 3rd Saudi International Conference on Advanced Materials technology 2015, Riyadh, SA, 05-18 to 05-19 ♣ ○

Leparoux Marc, Bradbury Christopher, Kollo Lauri, Kwon Hansang, Kallip Kaspar, Saarna Mart
Simple processing of aluminium alloys nanocomposites showing outstanding mechanical performances, International Conference on Advanced in Composite Materials and Structures (CACMS 2015), Istanbul, TR, 04-13 to 04-15 ♣

Reinke Michael, Kuzminykh Yury, Hoffmann Patrik
Surface Reaction Kinetics of Titanium Isopropoxide and Water in Atomic Layer Deposition, AVS Topical Conference on Atomic Layer Deposition (ALD 2015), Portland, Orgeon, US, 06-28 to 07-01 ♣

Reinke Michael, Kuzminykh Yury, Hoffmann Patrik
Low Temperature HV-CVD of Titania using ALD Chemistry, EuroCVD 20, Sempach, 07-13 to 07-17 ♣

Reinke Michael, Kuzminykh Yury, Hoffmann Patrik
Surface kinetics of titanium isopropoxide in high vacuum chemical vapor deposition, EuroCVD 20, Sempach, 07-13 to 07-17 ♣

Reinke Michael, Kuzminykh Yury, Hoffmann Patrik
Combinatorial high vacuum CVD of Barium tri-isopropyl cyclopentadienyl and Titanium tetra isopropoxide, EuroCVD 20, Sempach, 07-13 to 07-17 ◆

Reinke Michael, Kuzminykh Yury, Hoffmann Patrik
Selective area high vacuum CVD of titania on functionalized surfaces, EuroCVD 20, Sempach, 07-13 to 07-17 ◆

Reinke Michael, Kuzminykh Yury, Hoffmann Patrik
CMOS Compatible Epitaxial Barium Titanate Deposition by High Vacuum Chemical Vapor Deposition, MRS Fall Meeting & Exhibit, Boston, US, 11-29 to 12-04 ♣

Reinke Michael, Kuzminykh Yury, Hoffmann Patrik
CMOS Compatible Epitaxial Barium Titanate Deposition by High Vacuum Chemical Vapor Deposition, 2015 MRS Fall Meeting & Exhibit, Boston, US, 11-29 to 12-04 ♣

Rowthu Sriharitha, Balic Edin, Hoffmann Patrik
Wetting and tribological studies of mesoporous alpha-alumina composite, CCMX Annual Meeting, Bern, 05-13 ◆

Rowthu Sriharitha, Böhlen Karl, Hoffmann Patrik
Dual scale micro-nano surface features fabricated on mesoporous alumina samples through replication technique using ceramic colloidal suspension, EMRS Fall Meeting, Warsaw, PL, 09-15 to 09-18 ♣

Rowthu Sriharitha, Edin Balic, Patrik Hoffmann
Multifunctional Mesoporous Alpha Alumina: Anti-Liquid Sticking, Ultra- Low Friction and Wear-resistant material, EDMX Research day, EPFL, EPFL, 11-23 ♣

Rowthu Sriharitha, Patrik Hoffmann
Anti-liquid sticking, ultra-low friction and wear-resistant material, Empa Phd symposium, Empa Dübendorf, 12-07 ♣

Saeidi Fatemeh, Meylan Bastian, Hoffmann Patrik, Wasmer Kililan
Effect of surface texturing on tribological behavior of cast iron under starved lubrication, WOM2015, Wear of Materials, Toronto, CA, 04-12 to 04-16 ◆

Saeidi Fatemeh, Meylan Bastian, Hoffmann Patrik, Wasmer Kilian
Laser surface texturing: parametrical study and modeling, Ecotrib2015, Lugano, 06-03 to 06-05 ♣

Saeidi Fatemeh, Meylan Bastian, Hoffmann Patrik, Wasmer Kilian
Parametric Study and Design of Experiment (DoE) of Cast Iron Reciprocating under Starved Lubrication Conditions, EDMX-Research day, Lausanne, 11-23 ♣

Vaucher Sébastien, Cervellino Antonio, Mokso Rajmund, Casati Nicola, Ishizaki Kotaro, Stir Manuela, Catala-Civera José-Manuel, Gozzo Fabia, Nicula Radu
Real-time material's response to high power microwave irradiation revealed by in-situ synchrotron radiation methods, URSI AT-RASC 2015, Meloneras, ES, 05-18 to 05-22 ♣

Vaucher Sébastien, Ishizaki Kotaro, Cervellino Antonio, Stir Manuela, Hammoud Hussein, Valdivieso François, Cozzo Cédric, Horwege Alina, Tian Wei, Pouchon Manuel, Nicula Radu
Microwave Assisted Recycling of Lanthanide and Actinide oxides, ISEPD-2015, Katmandu, NP, 01-12 to 01-15 ♣

Wasmer Kilian, Bidiville Adrien
Investigation and Modelling of Wire-Sawing Process, 2nd Freiberger Sawing Symposium, Freiberg, DE, 06-18 to 06-19 ♣ ○

Wasmer Kilian, Saeidi Fatemeh, Shevchik Sergey
Automatic Detection Of Scuffing Using Acoustic Emission, 12th International Conference on Computational Methods and Experiments in Surface and Contact Mechanics including Tribology, Valencia, ES, 04-21 to 04-23 ♣

Electron Microscopy Center

Agrawal Piyush, Marta D. Rossell, Daniele Passerone, Rolf Erni
DFT Simulations: Modelling EELS Spectra for Complex Materials, MC2015: Microscopy Conference, Gottingen, DE, 09-06 to 09-10 ♣

Arroyo Rojas Dasilva Yadira, Rossell Marta, Groening Pierangelo, Isa Fabio, Kreiliger Thomas, von Känel Hans, Isella Geovanni and Erni Rolf.
Analysis of threading dislocations in three-dimensional Ge crystals grown on (001)-Si substrates., Microscopy Conference 2015, Göttingen, DE, 06-09 to 09-09 ♣

Electron Microscopy Center

Erni Rolf
Electron Holography at Different Length Scales in TEM, Topical Day: Imaging and Image Analysis VII, Dübendorf, 04-15 ♣ ○

Erni Rolf
Transmission Electron Microscopy of Complex Oxides for Energy Applications, Seminar NORTEM, Oslo, NO, 05-20 ♣ ○

Erni Rolf
TRANSMISSION ELECTRON MICROSCOPY OF COMPLEX OXIDES FOR ENERGY APPLICATIONS, IMRS: International Materials Research Congress, Cancun, MX, 08-16 to 08-20 ♣ ○

Erni Rolf
Session: Thin Films, Coatings, Interfaces and Surfaces, Microscopy Conference MC2015, Göttingen, DE, 09-06 to 09-11 ■

Erni Rolf
tbd, Titan Themis Inauguration CIME, EPFL, Lausanne, 10-01 to 10-02 ♣ ○

Erni Rolf, external
E-MRS 2015, Session: Alternative semiconductor integration in Si microelectronics: materials, techniques & app, Warsaw, PL, 09-15 to 09-18 ■

Keller Debora, Buecheler Stephan, Reinhard Patrick, Pianezzi, Fabian, Snoeck Etienne, Gatel Christophe, Pohl Darius, Surrey Alexander, Rellinghaus Bernd, Rossell Marta D., Erni Rolf, Tiwari Ayodhya N.
Analysis of electronic inhomogeneities in CIGS thin film solar cells by VEELS and holography, Microscopy Conference, Göttingen, DE, 09-06 to 09-11 ♣ ○

Kozak Roksolana
TEM investigations of GaAs, Si nanostructures, Microscopy Conference 2015, Goettingen, DE, 09-06 to 09-11 ◆

Rossell Marta D.
Investigation of functional metal-oxides by aberration-corrected analytical electron microscopy, SuperSTEM 3 Inauguration Seminar, Daresbury Science Campus, Warrington, GB, 02-19 to 02-20 ♣ ○

Rossell Marta D.
Investigation of BiFeO3 thin films by aberration-corrected electron microscopy, 13th European Meeting on Ferroelectricity, Porto, PT, 06-28 to 07-03 ♣ ○

Rossell Marta D.
Investigation of BiFeO3 thin films (and other oxide thin films) by aberration-corrected electron microscopy, Materials Theory Seminar, ETH Zürich, 09-18 ♣ ○

Zhang Yucheng, Carlos Guerra-Nuñez, Ivo Utke, Johann Michler, Matta D. Rossell, Rolf Erni
Understanding and controlling early stage nucleation and growth of TiO2 on carbon-based nano-materials, 2015 MRS Spring Meeting & Exhibit, San Francisco, California, US, 04-06 to 04-10 ♣

Zhang Yucheng, Carlos Guerra-Nuñez, Ivo Utke, Johann Michler, Meng Li, Hyung Gyu Park, Marta D. Rossell, Rolf Erni
Understanding and Controlling Atomic Layer Deposited TiO2 on Carbon-based Nanomaterials: Growth, Structure and Properties, Microscopy Conference 2015, Göttingen, DE, 09-07 to 09-18 ◆

Functional Polymers

Dünki Simon,
Breaking the Walls of Artificial Muscles, Falling Walls Berlin, Berlin, DE, 08-11 ♣ ○

Dünki Simon, Frank Nüesch, Dorina Opris
Polar Silicones for Dielectric Elastomer Transducers, Makromolekulares Kolloquium Freiburg, Freiburg, DE, 02-27 ◆

Dünki Simon, Frank Nüesch, Dorina Opris
High Permittivity Silicones for Dielectric Elastomer Actuators, High Permittivity Silicones for Dielectric Elastomer Actuators, Tallinn (Estland), EE, 06-09 ◆

Dünki Simon, Frank Nüesch, Dorina Opris
Silicones with enhanced permittivity for Dielectric Elastomer Actuators, EDMX Research Day, Lausanne, 11-23 ♣ ○

Dünki Simon, Frank Nüesch, Dorina Opris
Silicones with enhanced permittivity for dielectric elastomer actuators, Empa PhD Symposium, Dübendorf, 12-07 ♣ ○

Hany Roland
MRS Meeting, MRS Meeting, Bauru, Rio, BR, 09-27 ♣

Heier Jakob, F. Boudoire, R. Toth, E. C. Constable, A. Braun
Photonic Light-Trapping in Oxide Photoanode Microstructures for Water Splitting, MRS Spring Meeting, San Francisco, US, 04-07 to 04-10 ♣ ○

Heier Jakob, J.-N. Tisserant, R. Brönnimann, R. Hany, F. Nüesch
Resonance light scattering of dye aggregates in thin films, MRS Spring Meeting, San Francisco, US, 04-07 to 04-10 ♣ ○

Functional Polymers

Jenatsch Sandra, Lei Wang, Matia Bullon, Anna C. Véron, Beat Ruhstaller, Stéphane Altazin, Frank Nüesch, Roland Hany
Doping evolution and junction formation in stacked cyanine dye light-emitting electrochemical cells, Doping evolution and junction formation in stacked cyanine dye light-emitting electrochemical cells, Lausanne, 11-23 ♣ ○

Jenatsch Sandra, Lei Wang, Matia Bulloni, Anna C. Véron, Beat Ruhstaller, Stéphane Altazin, Frank Nüesch, Roland Hany
Doping evolution and junction formation in stacked cyanine dye light-emitting electrochemical cells, Doping evolution and junction formation in stacked cyanine dye light-emitting electrochemical cells, Dübendorf, 12-07 ♣ ○

Jenatsch Sandra, Thomas Geiger, Jakob Heier, Christoph Kirsch, Frank Nüesch, Adriana Paracchino, Daniel Rentsch, Beat Ruhstaller, Anna C. Véron, Roland Hany
Influence of chemically p-type doped active organic semiconductor on the film thickness vs. performance trend in cyanine, C60 bilayer solar cells, Boston, US, 12-01 ♣ ○

Ko Yee Song, Frank Nüesch, Dorina Opris
Poleable nanoparticles as fillers towards non-linear optically active actuators, SPIE Smart Structures, NDE, San Diego, US, 03-10 to 03-13 ◆

Ko Yee Song, Frank Nüesch, Dorina Opris
Poleable nanoparticles as fillers towards non-linear optically active actuators, SPIE Smart Structures, NDE, Lausanne, 11-23 ◆

Ko Yee Song, Frank Nüesch, Dorina Opris
Poleable nanoparticles as fillers towards non-linear optically active actuators, SPIE Smart Structures, NDE, Dübendorf, 12-07 ◆

Leclaire Nicolas, J. Heier, F. Nüesch
Conference, ECME, Strasbourg, FR, 09-01 ◆

Nüesch Frank
Conductive nanoparticle nanoparticle fillers in elastomers for actuators, Workshop, Potsdam, DE, 02-05 ♣

Nüesch Frank
Funktionelle Materialien und Substrate für die Plastikelektronik, NCB meeting, St.Gallen, 06-11 ■

Nüesch Frank
Cyanine dyes as organic semiconductors in optoelectronic devices, AMI Kolloquium, Fribourg, 06-30 ♣

Nüesch Frank
Lifetime and Reliability Issues in PV, Workshop, Manno, TI, 09-10 ■

Nüesch Frank
Cyanine dyes as organic semiconductors in optoelectronic devices, China-MGI'2015 meeing, Shanghai, CN, 09-18 ♣

Opris Dorina, Jose Enrico Q. Quinsaata, Simon Dünkia, Yee Song Ko, Mihaela Alexandru, Carmen Racles, Frank A. Nüesch
Dielectric Materials, Design and Realization, SPIE, San Diego, US, 03-08 to 03-12 ♣

Schneider René, R. Steim, P. Chabrecek, U. Sonderegger, B. Kindle-Hasse, W. Siefert, T. Kroyer, P. Reinecke, T. Geiger, R. Hany, F. Nüesch
Electrode materials and barrier foils for organic electronics – an overview on the R&D activities within the EU funded project TREASORES, Swiss ePrint, Neuenburg, 10-01 ◆

Schneider René, T.Geiger, S. R. Lüthi, K. Albrecht, M. Brülisauer, A. Bernard
TRANSPARENT PDMS, CaF2 COMPOSITES WITH IMPROVED THERMAL CONDUCTIVITY, Makromolekulares Kolloquium Freiburg, Freiburg, DE, 02-27 ◆

Steim Roland
Conference, LOPEC, München, DE, 03-03 ◆

Steim Roland
Conference, ISFOE, Thessaloniki, GR, 07-06 to 07-09 ♣

Verma Anand
Conference, Swiss e-Print, Neuenburg, 10-01 ♣

Veron Anna, Steve Landsmann, Silvia Leticia Fernandes, Jakob Heier, Roland Hany, Frank Nüesch
Brazil MRS Meeting, Brazil MRS Meeting, Lausanne, 09-28 ♣ ○

High Performance Ceramics

Bora Debajeet K.
operando X – ray spectroscopic study on atomic layer deposited hematite during artificial photosynthesis, SAOG Meeting, Freibourg, 01-22 ◆

Bora Debajeet K.
Development of Mesoscale Co3O4 Electrocatalysts with an Enhanced OER Action of Hematite Based Heterostructured Electrode, MRS Spring Meeting 2015, SanFrancisco, US, 04-06 to 04-10 ♣

Bora Debajeet K., Toth Rita, Murray Niamh, Braun Artur, Housecroft Catherine, Constable Edwin
Electrocatalysts for the water oxidation reaction, NanoTera Annual Plenary Meeting, Bern, 05-05 ◆

Bora Debajeet K.
Artificial Photosynthesis: Learning from materials developments and synchrotron mechanistic understanding,, Normal Lecture, Department of Chemistry, IIT Guwahati, IN, 05-11 ♣ ○

Bora Debajeet K., Erni Rolf, Müller Ulrich, Döebli Max, Braun Artur, Constable Edwin
Hydrothermally fabricated nanostructured for robust and efficient water splitting for hydrogen generation, SWISS NANOCONVENTION, Neuchatel, 05-28 ◆

Bora Debajeet K.
Operando Fe L edge X- ray spectroscopic study on an atomic layer deposited n- type Hematite during photo electrochemical solar water splitting, International Exploratory Workshop on Photoelectrochemistry, Catalysis and X-ray Spectroscopy, EMPA Dübendorf, 08-18 to 08-20 ♣

Bora Debajeet K.
Solar water splitting: hybrid material development and electronic snapshot with operando XAS spectroscopy, Normal Lecture at Academia, Insititute of Energy Technology, ETH Zürich, 09-25 ♣ ○

Bozza Francesco, T. Graule
Y-doped Barium Zirconate prepared by Flame Spray Synthesis as Electrolyte for Intermediate Temperature Proton Conducting Fuel Cells, Solid State Ionics conference, Keystone, Colorado, US, 06-15 to 06-19 ◆

Braun Artur
About in situ x-ray spectroscopy on electrochemical systems, Tender X-ray Workshop BESSY Berlin, Berlin, DE, 2014-12-01 to 2014-12-02 ♣ ○

Braun Artur
Solar water splitting: everything around iron oxide, Cape Peninsula University of Technology Seminar, Cape Town, Belville Campus, ZA, 03-02 ♣ ○

Braun Artur
(p,T) parameterization of the proton-phonon coupling in proton conducting electrolytes, iThemba Labs Seminar, Somerset, ZA, 03-04 ♣ ○

Braun Artur
Solar water splitting: everything around iron oxide, iThemba Lab Seminar, Somerset, ZA, 03-04 ♣ ○

Braun Artur
Charge cariers in metal oxides: electrons, holes, ions, protons and polarons, AOFC-2015, Kalkutta, IN, 03-09 to 03-13 ♣ ○

Braun Artur
Changes in photoanodes during solar water oxidation, the wet part of artificial photosynthesis, IIS Bangalore CSSU Seminar, Bengaluru, Indian Institute of Science, IN, 03-10 ♣ ○

Braun Artur
(p,T) parameterization of the proton-phonon coupling in ceramic proton conducting electrolytes, 1st International Conference on "Alumina and Other Functional Ceramics (AOFC- 2015), Kolkata, IN, 03-11 to 03-13 ♣ ○

Braun Artur
Keynote Speaker: Changes in photoanodes during solar water oxidation, the wet part of artificial photosynthesis, International Conference on Photonics and Solar Water Splitting, St. Teresa's College, Ernakulam, Kerala, India, Ernakulam, Kerala, IN, 03-12 to 03-13 ♣ ○

Braun Artur
Changes in photoanodes during solar water oxidation, the wet part of artificial photosynthesis, C-MET Thrissur Seminar, Thrissur, Kerala, IN, 03-13 ♣ ○

Braun Artur
(p,T) parameterization of the proton-phonon coupling in proton conducting electrolytes, International Conference on Photonics and Solar Water Splitting, Ernakulam, Kerala, IN, 03-13 ♣

Braun Artur
Materials Research Society Spring 2015 Meeting Chair, Materials Research Society Spring 2015 Meeting Chair, San Francisco, US, 04-06 to 04-10

Braun Artur
Everything around Iron Oxide – An Old Water Splitting Friend, MRS Spring Meeting 2015, Symposium J, San Francisco, US, 04-07 ♣ ○

Braun Artur
Everything around Iron Oxide – an old water splitting friend, MRS Spring Meeting 2015, San Francisco, US, 04-07 to 04-10 ◆ ○

Braun Artur
Assessment of Proton-Phonon Coupling in Ceramic Electrolytes by (p,T)-Parameterization, MRS Spring Meeting 2015, Symposium YY, San Francisco, US, 04-07 to 04-10 ♣

Braun Artur
Correlation of Transport Properties and Structure in Metal Oxide Electrodes and Electrolytes Investigated with X-Ray and Neutron Scattering and Spectroscopy, MRS Spring Meeting 2015, Symposium G, San Francisco, US, 04-07 to 04-10 ♣

Braun Artur
Synthesis and Analysis of Photoelectrodes with Bio-Electronic Interfaces, MRS Spring Meeting 2015, Symposium F, San Francisco, US, 04-09 to 04-10 ♣

Braun Artur
Changes in photoanodes during solar water oxidation, the wet part of artificial photosynthesis, Advanced Light Source Seminar, Berkeley, US, 04-17 ♣

Braun Artur
Auf dem Weg zur künstlichen Photosynthese: Wieviel Natur darf's sein?, Naturwissenschaftliche Gesellschaft Sankt Gallen, 2015, Sankt Gallen, 05-13 ♣ ○

Braun Artur
Plenary Talk: The nexus between bio-organic and inorganic photoelectrodes for solar fuel production, Dutch national consortium on photosynthesis and artificial photosynthesis "BioSolar Cells" will have its Annual Meeting in Ede in the Netherlands, Ede, NL, 06-17 to 06-18 ♣ ○

Braun Artur
... there's a tiny little engine..., Seminar at Molecular and Cellular Biology – Unit of Microbiology Institute for Environment, Health and Safety (EHS), SCK-CEN Belgian Nuclear Research Center, Mol, BE, 06-19 ♣ ○

Braun Artur
Opening Remarks, International Exploratory Workshop on Catalysis, Photoelectrochemistry and X-ray spectroscopy for Renewable Energy, Dübendorf, 08-17 to 08-19

Braun Artur
Zum Einfluß von adsorbiertem Sauerstoff auf die elektrische Leitfähigkeit von Zinkoxydkristallen: Gerhard Heiland, Seminar Series of Empa Abteilung Hochleistungskeramik, Empa Dübendorf, 08-25 ♣

Braun Artur
Some examples of the utility of x-rays for batteries, fuel cells and solar cells studies: ex situ ? in situ ? operando, 2015 Users meeting of NSRRC, National Synchrotron Radiation Research Center, Hsinchu, TW, 09-08 to 09-11 ♣

Braun Artur
The Hunt for the Holes: Uncovering the Physics and Chemistry in Solar Fuel Cells with Spectroscopy, Seminar series at the Gwangju Institute of Science and Technology, Department of Physics and Photon Sciences, Gwangju, KR, 09-15 ♣

Braun Artur
"There's a tiny little engine", Seminar Series at Yonsei University, Biomedical and Energy System Laboratory, Seoul, KR, 09-17 ♣

Braun Artur
Some practical examples on how to look into batteries with x-rays at the synchrotron, Department of Energy Science, Sungkyunkwan University (SKKU), Suwon, KR, 09-18 ♣

Braun Artur
the bio-electrochemical interface of semiconductor photoeletrodes functionalized with lightharvesting proteins and cyanobacteria, COST PHOTOTEC Meeting, Rom, IT, 10-07 to 10-09 ◆

Braun Artur
Changes in Photoanodes during Solar Water Oxidation, the Wet Part of Artificial Photosynthesis, 228th Meeting of the Electrochemical Society ECS, Phoenix, US, 10-12 to 10-16 ♣

Braun Artur
Light-Harvesting Proteins and Biofilms on Iron Oxide Photoelectrodes, 228th Meeting of the Electrochemical Society, Phoenix, AZ, US, 10-12 to 10-16 ♣

Braun Artur
Correlation of conductivity and electronic structure in metal oxide electrodes and electrolytes: valence band and ligand spectroscopy with x-ray absorption and photoemission, BESSY II – THz to Soft X-ray Workshop, Berlin, DE, 12-07 to 12-08 ♣

Braun Artur, D. Flak, B.S. Mun, M. Döbeli, M. Rekas
Electronic structure and surface properties of nonstoichiometric iron oxide nanoparticles and its application in gas sensing, PIXE 2015, Somerset West, ZA, 02-23 to 02-28 ◆

Braun Artur, D.K. Bora, F. Boudoire, E.C. Constable, M.M. Diale, C. Housecroft, Y. Hu, K. Maabong, S. Radhakrishnan, E. Roduner, E. Rohwer, C.M. Schutte(†), R. Toth, J.-J. Wang
Liquid Solar Fuels from CO2 and Water, Swiss South Africa Joint Research Programme Mid-Term Workshop, Basel, 10-21 to 10-23 ◆ ○

Braun Artur, D.K. Bora, M. Döbeli, E.C. Constable,
Hematite–NiO/a-Ni(OH)2 heterostructure photoanode with high electrocatalytic current density and charge storage capacity, PIXE 2015, Somerset West, ZA, 02-23 to 02-28 ◆

Braun Artur, Florent Boudoire, Edwin C. Constable, Jakob Heier, Rita Toth
Tuning the light absorption of photoelectrodes at the mesoscale, ACIN 2015 – International Conference on Avanced Complex Inorganic Nanomaterials, Namur, BE, 07-13 to 07-17 ♣

Braun Artur, Greta Faccio, Krisztina Gajda-Schrantz, Julian Ihssen, Florent Boudoire Yelin Hu, Bongjin Simon Mun, Linda Thöny-Meyer
Photoelectrodes with bio-electronic interfaces for solar fuels, ACIN 2015 – International Conference on Avanced Complex Inorganic Nanomaterials, Namur, BE, 07-13 to 07-17 ♣

Braun Artur, Qianli Chen
(p,T) parameterization of the proton-phonon coupling in proton conducting electrolytes, Workshop on Ceria-based Materials in Catalysis and Electrochemistry (Ceria – MCE 2015), J.-L. Universität Giessen - Schloss Rauischholzh, DE, 07-27 to 07-30 ♣

Braun Artur, S. Seifert, P.R. Jemian, J. Ilavsky, A.J. Allen, E.J. Cairns
ANOMALOUS SMALL ANGLE X-RAY SCATTERING OPERANDO ON A LITHIUM BATTERY AND CERAMIC FUEL CELL ASSEMBLIES, 16th Conference on Small Angle Scattering, SAS 2015, Berlin, DE, 09-14 to 09-18 ♣

Braun Artur, Schrantz Krisztina, Dombi Andras
Nanobio-Interfaces for Photocatalytic Solar Hydrogen (NIPSH): Rethinking the Paradigm of "Bio-Instability", Sciex Closing Event, Zürich, 09-25 ◆ ○

Burzan Niels, Braun Artur
Artificial Photosynthesis – Investigation of the bio-inorganic interface, 9th International Nanoscience Student Conference : INASCON 2015, Basel, 08-11 to 08-14 ◆

Chowdhury Mahabubur
Nanocatalysis at CPUT, Internationally exploratory workshop on photoelectrochemistry, catalysis and X-ray spectroscopy, Empa, 08-18 to 10-20 ♣ ○

Clemens Frank, Yujing Liu, Peter Kirchesch, Thomas Graule, Antje Liersch
Oxygen carriers for chemical looping combustion process using natur inspired hierachical porous structure of silica nanoparticles, ECERS, Toledo, ES, 06-21 to 06-26 ♣ ○

Clemens Frank
Nanoparticles prepared mechnically stable hierachical porous structure of Silica granulates and their application as Oxygen carriers for chemical looping combustions, Material Weeks, Dresden, DE, 09-13 to 09-18 ♣ ○

Durif Caroline
Water based reactive tape casting – a new shaping concept for multi-layer ceramic., ECERS Conference, Toledo, ES, 06-21 to 06-25 ♣

Gorjan Lovro
Ceramic plates joined to aluminum alloy parts for protection against ware, Ecotrib 2016, Lugano, 06-04 to 06-06 ♣

Gorjan Lovro
Hard ceramic protection for the aluminum parts used for the high load wear application, ECERS Conference 2015, Toledo, ES, 06-21 to 06-25 ◆

Graule Thomas
Strategie-Workshop, DKG-Symposium "Zukunftspotential von Hochleistungskeramik", Bonn, DE, 01-19 to 01-20 ◆ ○

Graule Thomas, S. Zürcher, Y. de Hazan
Dispersants for ceramic nano – and micron sized powders – with a special focus on alumina, AOFC-2015, Kalkutta, IN, 03-09 to 03-13 ♣ ○

Graule Thomas, C. Durif, C. Frömder, W. Lippmann
"Aquacast" – ein neues, wasserbasiertes Foliengiess-Verfahren, DKG-Veranstaltung zum Einsatz von Hochleistungskeramik, Köln, DE, 03-16 to 03-18 ♣ ○

Graule Thomas, V. Klimkevicius, R. Makuska
Steric stabilization of aqueous dipersions by cationic comb copolymers, Europ. Ceramic Society, Toledo, ES, 06-21 to 06-26 ♣ ○

Graule Thomas, C. Durif, C. Frömder, J.Heinecke, Y. deHazan, W. Lippmann, P. Ozog, D. Kata
Aquacast – a new shaping concept for ceramic laminate fabrication with applications under extreme conditions, EMRS Meeting, Warschau, PL, 09-14 to 09-16 ♣ ○

Graule Thomas, F. Bozza
Y-doped Barium Zirconate prepared by Flame Spray Synthesis as Electrolyte for Intermediate Temperature Proton Conducting Fuel Cells, 5th Polish Forum "Smart Energy", Bialka Tatrzanska, PL, 09-23 to 09-25 ♣ ○

Knies Franziska
Influence of photocatalytic oxides on ceramic glazes, Photocatalytic and Superhydrophilic Surface Workshop, Guimaraes, PT, 09-09 to 09-11 ◆

Kübler Jakob
Strategie-Workshop, DKG-Symposium "Zukunftspotential von Hochleistungskeramik", Bonn, DE, 01-19 to 01-20 ◆ ○

Kübler Jakob
A holistic failure analysis of electrolyte supported SOFC, 3rd internat. Workshop on degradation issues of fuel cells and electrolysers, Santorini, GR, 09-27 to 10-02 ♣ ○

Kübler Jakob
A holistic failure analysis of electrolyte supported SOFC, 3rd internat. workshop on degradation issues of fuel cells and electrolysers, Santorini, GR, 09-28 to 10-02 ♣ ○

Kübler Jakob, F. Fleischhauer, R. Bermejo, R. Danzer, A. Mai
Mechanical properties at room and elevated temperatures of zirconia tapes used for electrolyte supported solid oxide fuel cells, 4th ECM: working on small scales, Aberdeen, GB, 08-10 to 08-13 ♣ ○

Kübler Jakob, T. Graule
Anwendung der Keramik in der Medizinaltechnik, MedTech Day, Dübendorf, 05-20 ♣ ○

Kubrin Roman, F. Fleischhauer, G. Blugan, J. Kübler
Mechanical properties of Zirconia-based ionic conductors doped with Cerium, ECERS Conference 2015, Toledo, ES, 06-21 to 06-25 ♣

Kubrin Roman, T. Graule
Modelling of the luminescent properties of nanophosphor coatings with different porosity, XVI International Feofilov Symposium on Spectroscopy of Crystals Doped with Rare Earth and Transition Metal Ions, St. Petersburg, RU, 11-09 to 11-13 ♣

Liu Yujing, Dagobert Scharf, Thomas Graule, Frank Clemens
High shear granulation processing parameters on the mechanical properties of diatomite based porous granulates, 7th Granulation Workshop (2015), Sheffield, GB, 06-30 to 07-03 ◆

Liu Yujing, Peter Kirchesch, Thomas Graule, Frank J. Clemens
Nanoparticle prepared porous Silica granulates and their application as Oxygen Carrier Supports for Chemical Looping Process, 250th ACS-Meeting (2015), Boston, US, 08-16 to 08-20 ♣

Lusiola Tony
Dip coating of PZT fibres for composite ultrasonic transducer applications., Ferroelectrics 2015, London, GB, 07-23 to 07-24 ◆

Maabong Kelebogile, Diale Mmantsae, Machatine Augusto, Hu Yelin, Braun Artur
Surface morphology and structural properties of iron oxide photoanode prepared by dip coating: Effect of electrochemical oxidation, 6th South African Conference on Photonic Materials, Mabula Game Lodge, ZA, 05-04 to 05-08 ◆

Maabong Keleborgile, Diale Mmantsae, Machatine Augusto, Hu Yelin, Braun Artur
Thermal and compositional defects in dip coated Iron oxide thin film photoanode: Effect on film properties, 60th annual Conference – South African Institute of Physics (SAIP), Port Elizabeth, ZA, 06-29 to 07-03 ◆

Maabong Kelebogile, Diale Mmantsae, Machatine Augusto, Hu Yelin, Braun Artur
Modified Morphological and structural Properties of hematite photoanode in Photoelectrochemical cell: Effect of anodization time, Swiss South Africa Joint Research Programme, MID-TERM WORKSHOP 2015, Basel, ZA, 10-21 to 10-23 ◆ ○

Mata Osoro Gustavo, G. Blugan & J. Kuebler
REVIEW OF DIFFERENT TEST METHODS ON SHEAR STRENGTHS OF AEROSPACE GLUES., Scientifc Program of the XXIII Conference of the Italian Association of Aeronautics and Astronautics – AIDAA 2015, Torino, IT, 11-17 to 11-19 ♣

Mata-Osoro Gustavo
Shear strength tests on dissimilar materials, 39th Intern. conference & exposition on advanced ceramics & composites (ASTM), Daytona, US, 01-23 to 01-30 ◆

Mata Osoro Gustavo, G. Blugan & J. Kuebler
Shear strength tests on dissimilar materials, 39th International Conference & Exposition on Advanced Ceramics and Composites, Daytona beach, US, 01-25 to 11-30 ◆

Melnykowycz Mark, F. Clemens
Polymer Sensors for Shape Sensing of Adaptive Structures, ICAST 2015, Kobe, JP, 10-13 to 10-20 ♣

Michalek Martin
Comparison of aqueous and non-aqueous tape casting of fully stabilized ZrO2 suspensions, ECERS Conference 2015, Toledo, ES, 06-21 to 06-25 ♣

Nemeth Zoltan, G. Szekeres, K. Schrantz, T. Graule, K. Hernadi
Development of multi-walled carbon nanotube based composite filters for virus removal in contaminated water, MRS conference, Boston, US, 11-29 to 12-05 ◆

Regonini Domenico
Photoelectrochemical Study of Anodized TiO2 & Nb-doped TiO2 Nanotube, Inernational Workshop on Energy, Environment and Substainability, Bath, GB, 07-06 to 07-10 ♣

Regonini Domenico
Photoelectrochemical study of anodized TiO2 Nanotubes prepared using low and high H2O contents, EMRS Fall Meeting, Warschau, PL, 09-14 to 09-18 ♣

Toth Rita
Reflections on Innovation, Retreat of the Hochschule Luzern, Hertenstein, 08-25 ♣ ○

Toth Rita, Bora Debajeet, S. Murray Niamh, Braun Artur, E. Housecroft Catherine, C. Constable Edwin
A self-assembled, multicomponent water oxidation device, Swiss NanoConvention, in Neuchâtel, 05-27 to 05-28 ◆ ○

Toth Rita, Debajeet K. Bora, Artur Braun, Niamh S. Murray, Catherine E. Housecroft, Edwin C. Constable
A self-assembled, multicomponent water oxidation device, International Exploratory Workshop on Photoelectrochemistry, Catalysis and X-ray Spectroscopy, Dübendorf, 08-17 to 08-19 ♣

Toth Rita, K. Bora Debajeet, Braun Artur, Housecroft Catherine, C. Constable Edwin
Electrocatalysts for the water oxidation reaction, Nano-Tera Annual Plenary Meeting, Bern, 05-04 to 05-05 ◆

Toth Rita, Roché M. Walliser, Florent Boudoire, Eszter Orosz, Artur Braun, Edwin C. Constable, Zoltán Rácz, István Lagzi
Printing without a printer (printerless printing): Functional Self-organized Microstructures by Controlled Reaction-Diffusion-Precipitation, Swiss ePrint – The Swiss Conference on Printed Electronics and Functional Materials, Neuchatel, 10-01 to 10-02 ◆

High Performance Ceramics

Wang Jian-Jun, Y. Hu, R. Toth, G. Fortunato, A. Braun
Nonpolar organic solution-process to nanostructure hematite photoanode for water splitting, International Exploratory Workshop on Photoelectrochemistry, Catalysis and X-ray Spectroscopy, Empa, Dübendorf, 08-18 to 08-20 ♣ ○

Yoon Songhak
Introduction to ETH association, KSEAS(Korean Scientists and Engineers Association in Switzerland) Seminar for KIRD delegation (Korea Institute of Human Resources Development in Science & Techology), Mövenpick Hotel Zürich-Regensdorf, 05-31 ♣ ○

Yoon Songhak
Rietfeld Refinement of the Perovskite Structure from x-ray Powder Diffraction, EKC 2015, Strassbourg, FR, 07-22 to 07-25 ♣ ○

Yoon Songhak
Seize the Sun Going Down – Oxynitrides for Solar Water Splitting, International Exploratory Workshop on Photoelectrochemistry, Catalysis and X-ray Spectroscopy, Dübendorf, 08-17 to 08-19 ♣ ○

Joining Technologies and Corrosion

Ahmadi Mehdi, Lee Wookjin, Van Petegem Steven, Van Swygenhoven Helena, Leinenbach Christian
Characterization of the stress induced martensitic phase transformations in Fe-Mn-Si SMAs by in-situ neutron diffraction, HTSMAs 2015 – International conference on high-temperature shape memory alloys, Wildbad Kreuth, DE, 05-05 to 05-08 ◆

Beni Alessandra, C. Cancellieri, M. Pawelkiewicz, D. Scopece, D. Passerone, T. Huthwelker, L. P. H. Jeurgens, P. Schmutz
Characterization of Electrochemically Grown Al-oxide films by X-Ray Absorption and Hard X-ray Photoelectron Spectroscopy, 16th European Conference on Applications of Surface and Interface Analysis ECASIA'15, Granada Spain, Granada, ES, 10-01 ♣

Beni Alessandra, C. Cancellieri, M. Pawelkiewicz, C. N. Borcab, T. Huthwelkerb, L. P. H. Jeurgensa, P. Schmutz
Characterisation of electrochemically grown Al-oxide films by X-Ray Absorption and Hard X-Ray Photoelectron Spectroscopy, Swiss NanoConvention 2015, Neuenburg, 05-27 to 05-28 ◆

Beni Alessandra, C. Cancellieri, M. Pawelkiewicz, L. P. H. Jeurgens, P. Schmutz
In- house and synchrotron characterisation of thin oxyhydroxide films, Research Focus Area NAREP commission, Empa Dübendorf, 06-01 ♣

Beni Alessandra, R. Widmer, O. Gröning, L. P. H. Jeurgens, P. Schmutz
Oxide growth mechanisms in oxygen and water (vapour, liquid) environments for Al4Cr Complex Metallic Alloys, SAOG 2015, University of Fribourg,, 01-23 ◆

Cancellieri Claudia, A.S. Mishchenko, U. Aschauer, A. Filippetti, C. Faber, O.S. Barišic, V.A. Rogalev, T. Schmitt, N. Nagaosa and V.N. Strocov
Polaronic metal state on LaAlO3/SrTiO3 interface, Workshop on Oxide Electronics (WOE 22), Paris, FR, 10-06 to 10-10 ◆

Cancellieri Claudia, Chiodi Mirco, Moszner Frank, Janczak-Rusch Jolanta, Hauert Roland, Jeurgens Lars P.H.
Structural evolution of Ag-Cu nano-alloys confined between AlN nano-layers upon fast heating, European Congress and Exhibition on Advanced Materials and Processes (Euromat), Warsaw, Warsaw, PL, 09-20 to 09-24 ♣

Chiodi Mirco, Moszner Frank, Cancellieri Claudia, Janczak-Rusch Jolanta, Jeurgens L.P.H.
Novel low-temperature joining approach using a nano-multilayered brazing filler design, 6th International Conference on Welding Science and Engineering (WSE2015), Tsinghua University, Beijing, CN, 09-20 to 09-23 ♣ ○

Faller Markus
Evaluation of samples after trend exposure 2014 – 2015 of the sub-center Zinc, UN ECE ICP Materials Meeting, Nilu, Kjeller, NO, 04-22 to 04-24 ♣ ○

Faller Markus
Sind unsere Brücken ausreichend gegen Korrosion geschützt?, 3-Länder-Korrosionstagung zusammen mit GfKORR, ASMET, SGO, TVFA und TU Wien, Dübendorf, 05-07 to 05-09 ■

Faller Markus
Korrosion im Bauwesen, GfKORR-Arbeitskreis, Helgoland, DE, 06-08 ■

Faller Markus
Trend der atmosphärischen Korrosion von Zink in den letzten 30 Jahren, GfKORR-Arbeitskreis Korrosion im Bauwesen, Helgoland, DE, 06-08 ♣ ○

Hauert Roland
State of the art and failure mechanisms of DLC coated articulating joint replacements, Forschungsseminar der Hochschule für Life Scienses, Fachhochschule Nordwestschweiz Muttenz, 03-30 ♣ ○

Hauert Roland
Implant Corrosion, MedTech Day, Empa Akademie Dübendorf, 05-20 ♣

Hauert Roland, Kerstin Thorwarth, Ulrich Müller, Bernhard Weisse, Thomas Suter, Martin Sauder, Götz Thorwarth, Claudiu Falub, Daniel Bernoulli, Ralph Spolenak
Properties and Characterization of Interfaces and Interlayers and the Correlation to Long-term Adhesion, ICMCTF Konferenz, SanDiego, CA, US, 04-20 to 04-24 ♣ ○

Joining Technologies and Corrosion

Janczak-Rusch Jolanta
Diffusion and Phase Transformations in W/Cu Nanomultilayers: theory and experiment, Workshop Diffusional phenomena at interfaces and surfaces, Rouen, FR, 10-28 ♣

Janczak-Rusch Jolanta
Session Chair, High Temperature Capillarity Conference 2015, Bad Herrenalb, DE, 05-17 to 05-22 ○

Janczak-Rusch Jolanta
Im Wettlauf gegen die höchsten Produktanforderungen: die neuesten Entwicklungen in der Löttechnologie, 104. Jahresversammlung des SVS, St. Gallen, 05-27 to 05-28 ♣ ○

Janczak-Rusch Jolanta
Workshop Diffusional phenomena at interfaces and surfaces, Rouen, FR, 10-28 to 10-30

Janczak-Rusch Jolanta
68th Annual Assembly and International Conference, IIW 2015, SC-Micro, Microjoining and Nanojoining Workshop, Helsinki, FI, 06-28 to 07-03

Janczak-Rusch Jolanta, Filipek Robert
Coordinator of Topic C2: Joining and Interfaces, EUROMAT 2015, Warschau, PL, 09-20 to 09-24 ■

Janczak-Rusch Jolanta, F. Moszner, M. Chiodi, C. Cancellieri, R.Hauert, L.P.H. Jeurgens
The wetting phenomena in micro- and nano-joining processes, High Temperature Capillarity Conference 2015, Bad Herrenalb, DE, 05-17 to 05-22 ♣ ○

Janczak-Rusch Jolanta, F. Moszner, M. Chiodi, C. Cancellieri, R. Hauert, L. P.H. Jeurgens
Development of nanostructured silver-based brazing fillers in a multilayer configuration for low-temperature joining, 68th Annual Assembly and International Conference, IIW 2015, SC-Micro, Microjoining and Nanojoining Workshop, Helsinki, FI, 06-28 to 07-03 ♣

Janczak-Rusch Jolanta, L.P.H. Jeurgens
Nanoscale solid state reactions in advanced joining technologies, Exmonan Steering Committee Meeting, Dübendorf, 05-05 ♣

Janczak-Rusch Jolanta, Moszner Frank, Chiodi Mirco, Cancellieri Claudia, Hauert Roland, Jeurgens Lars P.H.
Development of nanostructured Ag-based fillers for low-temperature brazing, 68th Annual Assembly and Int. Conference IIW 2015, Commission XVII, Helsinki, FI, 06-28 to 07-03 ♣

Jeurgens Lars P.H.
Recent developments of joining technologies for ever more complex industrial requirements, Workshop Photonics Packaging for Harsh Environments, Alpnach, 06-08 ♣

Jeurgens Lars P.H., A. Beni, C. Cancellieri, M. Pawelkiewicz, D. Scopece, D. Passerone, T. Huthwelker, P. Schmutz
Characterization of Electrochemically Grown Al-oxide films by X-Ray Absorption & Hard X-ray Photoelectron Spectroscopy, 16th European Conference on Applications of Surface and Interface Analysis, Granada, ES, 09-28 to 10-01 ♣

Jeurgens Lars P.H., Chiodi Mirco, Moszner Frank, Cancellieri Claudia, Hauert Roland, Janczak-Rusch Jolanta
Structural evolution of Ag-Cu nano-alloys confined between AlN nano-layers upon fast heating, 16th European Conference on Applications of Surface and Interface Analysis, Granada, ES, 09-28 to 10-01 ♣

Kenel Christoph, A. Lis, T. Ivas, C. Leinenbach
CALPHAD assisted titanium aluminide alloy development for additive manufacturing, International Conference on Computer Coupling of Phase Diagrams and Thermochemistry, Loano, IT, 05-31 to 06-05 ◆ ○

Kenel Christoph, G. Dasargyri, C. Leinenbach
Microstructure formation of Ti-Al-(Nb, Mo) titanium aluminides under additive manufacturing processing conditions, European Congress and Exhibition on Advanced Materials and Processes (Euromat), Warsaw, Warsaw, PL, 09-20 to 09-24 ♣

Kozlowski Miroslaw, Scopecce Daniele, Pignedoli Carlo, Kozubski Rafal, Jeurgens Lars, Janczak-Rusch Jolanta, Passerone Daniele
Atomistic modeling of pre-melting in Cu/W, European Congress and Exhibition on Advanced Materials and Processes (Euromat), Warsaw, Warsaw, PL, 09-20 to 09-24 ♣

Lee Wookjin, Weber Benedikt, Shaverdi Moslem, Czaderski Christoph, Motavalli Masoud, Leinenbach Christian
Use of an Fe-Mn-Si based shape memory alloy as reinforcing elements in civil engineering applications, HTSMAs 2015 – International conference on high-temperature shape memory alloys, Wildbad Kreuth, DE, 05-05 to 05-08 ♣

Leinenbach Christian
Neue Materialien für die additive Fertigung – additive Fertigung für neue Materialien vor, KMU Update, St. Gallen, 11-19 ♣ ○

Leinenbach Christian
Bewertung der Integrität hochbeanspruchter gefügter Komponenten, Hochschule Rapperswil, Rapperswil, 06-15 ♣ ○

Leinenbach Christian
Material Aspects in Metal Additive Manufacturing Challenges, Opportunities, Visions, Los Alamos National Lab, Santa Fe, US, 07-16 to 07-23 ♣ ○

Joining Technologies and Corrosion

Leinenbach Christian
Design and manufacture of hybrid (implant) material structures, Materials Days, Rostock, DE, 06-03 to 06-06 ♣ ○

Leinenbach Christian
Session Chair & Member of the Program Committee, 6th International Brazing and Soldering Conference, Long Beach, US, 04-18 to 04-23

Leinenbach Christian, A.B. Spierings, C. Kenel, K. Wegener
Fabrication of metal-diamond composites using Selective Laser Melting, TMS 2015, Orlando, US, 03-14 to 03-20 ♣

Leinenbach Christian, M. Koster, C. Kenel, A. Lis, W.-J. Lee
Influence of Substrate Properties on Fatigue Performance of Brazed Steel Joints, 6th International Brazing and Soldering Conference, Long Beach, US, 04-18 to 04-23 ♣

Leinenbach Christian, N. Weyrich, R. Longtin, L. Dahl
Influence of Brazing Parameters on Microstructure and Strength of PCD-Cemented Carbide Joints, 6th International Brazing and Soldering Conference, Long Beach, US, 04-18 to 04-23 ♣

Lipecka Joanna, Janczak-Rusch Jolanta, Lewandowska Malgorzata, Andrzejczuk Mariusz, Richter Gunther, Jeurgens Lars P.H.
The melting point depression in Al-Si/AlN nano-multilayered brazing fillers,, European Congress and Exhibition on Advanced Materials and Processes; Euromat 2015, Warsaw, PL, 09-20 to 09-24 ♣

Lis Adrian, C. Leinenbach
Investigating the Influence of Process and Service Conditions on the Microstructure of TLP Bonded Si/SiC Chips Using (Ag,Ni-)Sn Interlayers, TMS 2015, Orlando, US, 03-14 to 03-20 ♣

Lis Adrian, Leinenbach Christian
Investigating the Influence of Process and Service Conditions on the Microstructure of TLP Bonded Si/SiC Chips Using (Ag,Ni-)Sn Interlayers, TMS 2015, Orlando, US, 03-15 to 03-19 ♣

Lis Adrian, Toni Ivas, Christian Leinenbach
Assessing and Reducing Thermal Residual Stresses in Metal-Ceramic Joints by Combined Experimental and Numerical Investigations, International Brazing and Soldering Conference (IBSC) 2015, Long Beach, US, 04-19 to 04-22 ♣

Moszner Frank, Chiodi Mirco, Cancellieri Claudia, Janczak-Rusch Jolanta, Jeurgens Lars P.H.
Nanostructured Ag-based braze fillers for joining, European Congress and Exhibition on Advanced Materials and Processes (Euromat), Warsaw, Warsaw, PL, 09-20 to 09-24 ♣

Moszner Frank, Janczak-Rusch Jolanta, Chiodi Mirco, Cancellieri Claudia, Hauert Roland, Pigozzi Giancarlo, Jeurgens Lars P.H.
Structural evolution of Ag–Cu nano-alloys confined between AlN nano layers upon fast heating, Swiss Nanoconvention 2015, Neuenburg, 05-27 to 05-28 ◆

Partovi Nia Raheleh, Thomas Suter, Patrik Schmutz
Scanning Electrochemical Nanocapillary (SEN) characterization of local electrochemical reactivity, 13. Internationales Fischer Symposium, Lübeck, DE, 06-07 to 06-12 ◆

Pasichnyy Mykola, Janczak-Rusch Jolanta, Jeurgens L.P.H., Liashenko Oleksii, Gusak Andriy
Application of the critical gradient concept to first phase formation in Cu/Sn nano-multilayered systems, European Congress and Exhibition on Advanced Materials and Processes; Euromat 2015, Warsaw, PL, 09-20 to 09-24 ◆

Pawelkiewicz Magdalena
Interaction of uhp Mg with artificial Body fluids towards biodegradable implant applications, European Congress and Exhibition on Advanced Materials and Processes (Euromat), Warsaw, PT, 09-20 to 09-24 ♣

Pawelkiewicz-Koebel Magdalena, L. Leoty, A. Bruinink, P. Uggowitzer, P. Schmutz
Interaction of ultra-high purity Magnesium with artificial body Fluids for biodegradable Implant applications, SSB+RM –Swiss Society of Biomaterials and Regenerative Medicine Conference, EPFL Lausanne, 06-09 to 06-10 ◆

Sadegh Ahmadi Mehdi, W. Lee, S. Van Petegem, H. Van Swygenhoven-Moens, C. Leinenbach
Characterization of the Stress Induced Martensitic Phase Transformations in Fe-Mn-Si Shape Memory Alloys by in-situ Neutron Diffraction, Conference on Hight Temperature Shape Memory Alloys (HTSMA) 2015, Wildbad-Kreuth, DE, 05-05 to 06-08 ◆

Schmutz Patrik
Passivation and loclaized corrosion, SWISS CORROSION RESEARCH CHALLENGES, OPPORTUNITIES AND APPLICATIONS, EPFL, Lausanne, 11-27 ■ ○

Weyrich Nico, A. Beni, M. Chiodi, M. Munoz, S. Pascarelli, C. Leinenbach, L.P.H. Jeurgens
Interdiffusion and compound formation at buried Al2O3/W and Ti/W interfaces, TMS 2015, Orlando, US, 03-14 to 03-20 ◆

Mechanics of Materials and Nanostructures

Best James, Guillonneau Gaylord, Grop Serge, Taylor Aidan A., Frey Damian, Longchamp Quentin, Breguet Jean-Marc, Michler Johann
High-temperature nano-impact testing of a hard coating system, ECI Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-04 to 10-09 ◆

Best James, Maeder Xavier, Michler Johann
Using confocal Raman spectroscopy to understand industrial thin-film coatings and microstructured systems, 4th Swiss Raman Users Group Meeting, Bern, 05-07 ♣

Best James, Zechner Johannes, Wehrs Juri, Wheeler Jeffrey M., Morstein Marcus, Michler Johann
High-temperature small-scale fracture mechanics and plasticity of a hard-coating system, ECI Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-04 to 10-09 ♣

Best James, Zechner Johannes, Wheeler Jeffrey M., Marcus Morstein, Schär Tobias, Raghavan Rejin, Chawla Vipin, Michler Johann
High-temperature fracture toughness and yield strength of thin ce-ramic coatings, ICMCTF 2015, San Diego, US, 04-20 to 04-24 ♣

Conte Marcello, Mohanty Gaurav, Schwiedrzik Jakob, Ciani Dario, Bellaton Bertrand, Randall Nicholas, Michler Johann
Pushing the envelope for high temperature nanoindentation measurements, ECI- Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-05 to 10-09 ◆

Conte Marcello, Mohanty Gaurav, Schwiedrzik Jakob, Ciani Dario, Bellaton Bertrand, Randall Nicholas, Kempe Philippe, Michler Johann
Variable temperature ultra-nanoindentation system: elevated and cryogenic temperature measurements, ECI-Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-05 to 10-09 ♣

Conte Marcello, Mohanty Gaurav, Schwiedrzik Jakob, Ciani Dario, Bellaton Bertrand, Michler Johann
Pushing the envelope in variable temperature nanoindentation: High and cryogenic temperature measurements, Materials Research Society Fall Meeting, Boston, US, 11-29 to 12-04 ♣

Frantz Cédric, Vichery Charlotte, Philippe Laetitia, Michler Johann
On the growth mechanism of Lead telluride nanostructures, 11th International Workshop on Electrodeposited Nanostructures, Balatonfüred, HU, 09-10 to 09-12 ♣

Frantz Cédric, Zechner Johannes, Cebeci Halil, Michler Johann, Philippe Laetitia
Innovative method for high quality and highly adherent metal coating onto aluminium surfaces, Swiss Nano Convention 2015 / CTI Micro-Nano Event 2015, Neuchâtel, 05-27 to 05-28 ◆

Guerra Carlos, Utke Ivo, Michler Johann, Hoffmann Patrik
Department of Advanced Materials and Interfaces, HERALD DAY 2015, Tartu, EE, 09-30 ◆

Guerra Carlos, Zhang Yucheng, Li Meng, Erni Rolf, Michler Johann, Park Hyung Gyu, Utke Ivo
Morphology and Crystallinity Control of Ultrathin TiO2 Layers Deposited by Temperature-Step Atomic Layer Deposition on Carbon Nanotubes, BALD 2015 – Baltic Atomic Layer Deposition, Tartu, EE, 09-27 to 09-29 ♣

Guerra Carlos, Zhang Yucheng, Li Meng, Erni Rolf, Michler Johann, Park Hyung Gyu, Utke Ivo
Morphology and Crystallinity Control of Ultrathin TiO2 Layers Deposited on Carbon Nanotubes by Temperature-Step ALD, MNE 2015, Den Haag, NL, 09-21 to 09-24 ◆

Guerra Carlos, Zhang, Yucheng, Li Meng, Erni Rolf, Michler Johann, Park Hyung Gyu, Utke Ivo
Morphology and Crystallinity Control of Ultrathin TiO2 Layers Depos-ited by Temperature-Step Atomic Layer Deposition on Carbon Nano-tubes: Towards Next Generation Solar Cells, EuroCVD 2015, Sempach, 07-13 to 07-17 ♣

Hasegawa Madoka, Guillonneau Gaylord, Zhang Yucheng, Frantz Cédric, Niederberger Christoph, Michler Johann, Philippe Laetitia
Electrodeposition and characterization of Fe-Cr-Ni stainless steel alloy, E-MRS 2015 Spring Meeting, Lille, FR, 05-11 to 05-15 ◆

Hasegawa Madoka, Guillonneau Gaylord, Zhang Yucheng, Frantz Cédric, Niederberger Christoph, Michler Johann, Philippe Laetitia
Electrodeposition of Highly-Textured Nanotwinned Copper, ECS and SMEQ Joint International Meeting, Cancun, MX, 10-05 to 10-10 ♣

Hasegawa Madoka, Yoon Songhak, Schneider Simon, Frantz Cédric, Niederberger Christoph, Weidenkaff Anke, Michler Johann, Philippe Laetitia
Nanocrystalline Stainless Steel Electrodeposition, ECS and SMEQ Joint International Meeting, Cancun, MX, 10-05 to 10-10 ♣

Maeder Xavier, Hasegawa Madoka, Mohanty Gaurav, Wehrs Juri, Mieszala Maxime, Schneider Simon, Philippe Laetitia, Michler Johann
Transmission Kikuchi Diffraction (TKD) to characterize nanocrystalline electrodeposited materials, EBSD Meeting 2015, Glasgow, GB, 03-29 to 2014-03-31 ◆

Maeder Xavier, Neels Antonia, Döbeli Max, Dommann Alex, Widrig Beno, Ramm Jürgen
Investigation of the oxidation of thin coatings comprising Ni alu-minides, ICMCTF, San Diego, US, 04-25 to 04-29 ♣

Maeder Xavier, Tumbajoy-Spinel David, Descartes Sylvie, Bergheau Jean-Michel, Langlade Cécile, Guillonneau Gaylord, Michler Johann, Kermouche Guillaum
Microstructural and Mirco-Mechanical Investigation on the Impact-Based Surface Treatment of Iron, MRS Fall Meeting, Boston, US, 11-29 to 12-04 ♣

Maeder Xavier, Tumbajoy-Spinel, David, Guillonneau Gaylord, Descartes Sylvie, Bergheau Jean-Michel, Langlade Cécile, Kermouche Guillaume, Michler Johann
EBSD investigation of microstructure refinement by impact-based surface treatments, ECI Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-04 to 10-09 ♣

Maeder Xavier, Wheeler Jeffrey M., Best James, Mohanty Gaurav, Wehrs Juri, Schwiedrzik Jakob, Michler Johann
Some Recent Advances in Nanomechanical Testing: High Strain Rates, Variable Temperatures, Fatigue, Stress Relaxation and Insitu EBSD During Micro-Pillar Comprression, GDRi CNRS mecano, Marseille, FR, 11-05 to 11-06 ♣

Manzano Cristina V., Best James, Cantarero Andres, Michler Johann, Philippe Laetitia
Influence of thickness and compositional structure on UV-VIS Reflec-tance of Anodic Aluminum Oxide (AAO) templates, Ednano 2015, Balatonfüred, HU, 09-10 to 09-12 ♣

Manzano Cristina V., Maiz Jon, Aguirre Myriam, Martín-González, Marisol
Growth of Bi2Te3 nanowires with high aspect ratio and different diameters by pulsed electrodeposition, E-MRS 2015, Lille, FR, 05-11 to 05-15 ♣

Michler Johann
In-situ SEM Mechanical Testing: Recent advances, Graduiertenkolleg Cluster of Excellence Engineering of Advanced Materials (EAM), Erlangen, DE, 04-16 to 04-17 ♣ ○

Michler Johann
In-situ SEM Micro-Mechanical Testing: High Strain Rates and variable Temperatures, IMRC 24th International Materials Research Congress, Cancun, MX, 08-17 to 08-21 ♣ ○

Michler Johann
Recent Advances in-situ SEM Micro-Mechanical Testing: High Strain Rates and variable Temperatures, ECI 2015 – Nanomechanical Testing in Materials Research and Development IV, Albufeira, PT, 10-05 to 10-09 ♣ ○

Michler Johann
Recent Advances in Nanomechanical Testing: Variable Temperatures and High Strain Rates, International Symposium on Microstructure and Mechanical Properties of Advanced Metallic Materials, Erlangen, DE, 10-28 to 10-30 ♣ ○

Mieszala Maxime, Guillonneau Gaylord, Wheeler Jeffrey M., Raghavan Rejin, Hasegawa Madoka, Mischler Stefano, Philippe Leatitia, Michler Johann
Orientation dependent machanical behaviour of electrodeposited copper with nanoscale twins, ECI Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-04 to 10-09 ◆

Mieszala Maxime, Guillonneau Gaylord, Wheeler Jeffrey M., Raghavan Rejin, Hasegawa Madoka, Mischler Stefano, Philippe Leatitia, Michler Johann
Mechanical anisotropy in electrodeposited copper with highly-oriented nanoscale twins, GDRi CNRS MECANO General Meeting on the Mechanics of Nano-objects, Marseille, FR, 11-04 to 11-05 ◆

Mieszala Maxime, Hasegawa Madoka, Guillonneau Gaylord, Zhang Yucheng, Erni Rolf, Mischler Stefano, Michler Johann, Philippe Laetitia
Mechanical properties of electrodeposited copper films with prefer-entially oriented twins, E-MRS 2015, Lille, FR, 05-11 to 05-15 ♣

Mohanty Gaurav, Giuliani Finn, Rajan Krishna, Michler Johann
Nanoindentation creep testing of fcc metals at elevated temperatures, 17th International Conference on the Strength of Materials (ICSMA 17), Brno, CZ, 08-09 to 08-14 ♣

Mohanty Gaurav, Schwiedrzik Jakob, Chawla Vipin, Rajan Krishna, Michler Johann
High throughput nanomechanical testing for structural materials discovery using combinatorial experimentation approach, Materials Research Society Fall Meeting, Boston, US, 11-29 to 12-04 ♣

Mohanty Gaurav, Wehrs Juri, Taylor Aidan, Hasegawa Madoka, Philippe Laetitia, Wheeler Jeffrey M., Boyce Brad, Michler Johann
In-situ, elevated temperature microcompression transient testing of nanocrystalline Ni, Materials Research Society Fall Meeting, Boston, US, 11-29 to 12-04 ♣

Mohanty Gaurav, Wehrs Juri, Wheeler Jeffrey M., Boyce Brad, Taylor Aidan, Hasegawa Madoka, Philippe Laetitia, Michler Johann
Micron scale transient testing on nanocrystalline Ni, 17th International Conference on the Strength of Materials (ICSMA 17), Brno, CZ, 08-09 to 08-14 ♣

Mohanty Gaurav, Wehrs Juri, Wheeler Jeffrey, Boyce Brad, Hasegawa, Madoka, Taylor Aidan, Philippe Laetitia, Michler Johann
Elevated temperature microcompression stress relaxation tests on nanocrystalline nickel, ECI- Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-05 to 10-09 ◆

Pillatsch Lex, Rodrigues Vaz Alfredo, Szkudlarek Aleksandra, Guerra-Nunez Carlos, Zhan Yucheng, Alaferdov Andrei V., Moshkalev Stanislav, Ukte Ivo
O2 and H2O enhanced FEBIE for fabrication of nanopores in few layer graphene, Electron, Ion, and Photon Beam Technology and Nanofabrication, San Diego, US, 05-26 to 05-29 ◆

Pillatsch Lex, Rodrigues Vaz Alfredo, Szkudlarek Aleksandra, Guerra-Nunez Carlos, Zhan Yucheng, Alaferdov Andrei V., Moshkalev Stanislav, Ukte Ivo
O2 and H2O enhanced FEBIE for fabrication of nanopores in few layer graphene, Electron, Ion, and Photon Beam Technology and Nanofabrication, Den Haag, NL, 09-21 to 09-24 ◆

Pillatsch Lex, Whitby James, von Werra Leandro, Östlund Fredrik, Michler Johann
SIMS-AFM-SEM combination for elemental mapping and 3D recon-struction, Microscopy of Semiconducting Materials (MSM-XIX), Cambridge, GB, 03-29 to 04-02 ♣

Mechanics of Materials and Nanostructures

Schoeppner Rachel, Taylor Aidan, Schwiedrzik Jakob, Mohanty Gaurav, Petho Laszlo, Chawla Vipin, Thomas Keith, Zechner Johannes, Guerra-Nuñez Carlos, Michler Johann
Combinatorial Depositiion Techniques Enabling Fundamental Nanomechanic Investigations, ECI Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-05 to 10-09 ◆

Schwiedrzik Jakob, Raghavan Rejin, Bürki Alexander, Wolfram Uwe, Zysset Philippe, Michler Johann
In situ micropillar compression of bone shows remarkable strength and ductility but not damage, ECI Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-04 to 10-09 ♣

Schwiedrzik Jakob, Raghavan Rejin, Bürki Alexander, Wolfram Uwe, Zysset Philippe, Michler Johann
Identification of in situ Lignin strength based on micropillar compression and micromechanical modeling of wood cell walls, ECI Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-04 to 10-09 ◆

Taylor Aidan, Antonin Olivier, Rats David, Latrasse Louis, Nelis Thomas, Michler Johann
Growth mechanics of nanocrystalline diamond produced by distributed antenna array microwave-plasma chemical vapour deposition, International Conference on Diamond and Carbon Materials, Bad Homburg, DE, 09-06 to 09-10 ◆

Taylor Aidan, Antonin Olivier, Fleming David, Rats David, Latrasse Louis, Nelis Thomas, Michler Johann
Interface mechanics of nanocrystalline diamond produced by distributed antenna array microwave plasma CVD, International Conference for Diamond and Carbon-related Materials, Bad Homburg, DE, 09-06 to 09-10 ◆

Taylor Aidan, Schoeppner Rachel, Cordill Megan, Zbib Hussein, Bahr David, Michler Johann
Annealing effect on coherent-incoherent interface tri-component nanoscale metallic multilayer thin films, ECI-Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-05 to 10-09 ◆

Thomas Keith, Wehrs Juri, Taylor Aidan, Guillonneau Gaylord, Pathak Siddhartha, Mara Nathan, Spolanek Ralph, Michler Johann
Diffusion-based deformation in high temperature micropillar com-pression of Mg-Nb multilayers, ECI Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-05 to 10-09 ◆

Tumbajoy-Spinel David, Maeder Xavier, Guillonneau Gaylord, Descartes Sylvie, Bergheau Jean-Michel, Langlade Cécile, Michler Johann, Kermouche Guillaume
EBSD investigation of microstructure refinement by impact-based surface treatments, ECI Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-04 to 10-09 ◆

Utke Ivo
Writing novel nanoscale materials with focused electron beams and volatile metal-containing compounds, 20th Symposium on Applications of Plasma Processes, Tatranska Lomnica, SK, 01-17 to 01-22 ♣ ○

Utke Ivo
Towards the next-generation nanotechnology platform: Maskless focused electron beam induced writing and etching, Center for Semiconductor Components (CCS) of the State University of Campinas (UNICAMP), Campinas, BR, 03-11 ♣ ○

Utke Ivo
A scanning electron microscope based maskless direct-write, direct-erase nanotechnology platform: Focused Electron Beam Induced Processing, 22nd Electron Microscopy Congress (EMK), Istanbul, TR, 09-02 to 09-04 ♣ ○

Wehrs Juri, Mohanty Gaurav, Breguet Jean-Marc, Frey Damian, Michler Johann
Time dependent plasticity of nanocrystalline Nickel thin films determined using microcompression at variable temperature, UHVP-F2F Meeting, Gothenburg, SE, 11-17 ♣

Wehrs Juri, Mohanty Gaurav, Guillonneau Gaylord, Wheeler Jeffrey M., Hasegawa Madoka, Taylor Aidan, Maeder Xavier, Philippe Laetitia, Mischler Stefano, Michler Johann
Comparison of in situ micromechanical time dependent plasticity techniques: micropillar compression, nanoindentation and micro-tensile tests, ECI Nanomechanical Testing in Materials Research and Development V, Albufeira, PT, 10-05 to 10-09 ◆

Wehrs Juri, Mohanty Gaurav, Michler Johann
Time dependent plasticity of nanocrystalline Nickel thin films determined using microcompression at variable temperature, CINT User Meeting 2015, Santa Fe, US, 10-21 to 10-22 ♣

Wehrs Juri, Wehrs Juri, Mohanty Gaurav, Michler Johann, Wheeler Jeffrey, Boyce Brad Lee
Variable temperature time dependent plasticity of nanocrystalline Nickel thin films determined using microcompression, 17th International Conference on the Strength of Materials (ICSMA 17), Brno, CZ, 08-09 to 08-14 ♣

Nanoscale Materials Science

Bernard Laetitia
Time-of-Flight Secondary Ion Mass Spectrometry, Surface characterization and quality control, SUSOS, 03-24 to 04-24 ♣ ○

Bernard Laetitia
ToF-SIMS characterization of self-assembled oriented carborane dipoles on silver surface, SIMS 20 Conference, Seattle, US, 09-13 to 09-18 ♣

Bernard Laetitia
ToF-SIMS/KPFM characterization of self-assembly of oriented carborane dipoles used as surface potential tuning and silver surface protection, ECASIA Conference, Granada, ES, 09-27 to 12-01 ◆

Bernard Laetitia
Time-of-Flight Secondary Ion Mass Spectrometry: Investigating surface and volume at the molecular level with ultra-high sensitivity, Seminar, Empa, St Gallen, 10-19 ♣ ○

Crockett Rowena
Lubricated Contacts, Cadiz 2015, Cadiz, ES, 04-13 to 04-17

Crockett Rowena
Ecotrib 2015, Lugano, 06-03 to 06-05 ■

Crockett Rowena
Influence of polysaccharide conformation on friction and adhesion, AVS 2015, San Jose, US, 10-19 to 10-23 ♣ ○

Crockett Rowena, Marcella Roba, Heinz Troxler, Claudio Dora, Walter Born
Mechanical and chemical properties of the superficial layer of natural cartilage, STLE, Denver, US, 10-25 to 10-28 ♣ ○

Crockett Rowena, Sebastien Josset, Sigfried Roos
Development of high friction cellulose through surface modifications, Tribochemistry Forum, Nikko, JP, 09-13 to 09-15 ♣

Crockett Rowena, Sebastien Josset, Sigfried Roos
Tribological Measurements on Chemically Modified Cellulose Nanofibrils, International Tribology Conference, Tokyo, JP, 09-15 to 09-20 ♣

Ernst Karl-Heinz
Tiling surfaces with molecular pentagons, stars and helices, Symposium on Surface and Nanoscience, SSNS'15, Furano, Japan, 14. – 17. 1. 2015, JP, 01-14 to 01-18 ♣ ○

Ernst Karl-Heinz
World in a mirror: Chirality in the natural sciences (Keynote Lecture), Gordon Research Seminar,, Ventura, US, 02-07 to 02-08 ♣ ○

Ernst Karl-Heinz
Chiral recognition and reconstructions at surfaces, Gordon Research Conference on Chemical Reactions at Surfaces, Ventura, US, 02-08 to 02-12 ♣ ○

Ernst Karl-Heinz
World in a Mirror: Chirality and the Birth of Molecules,, Nanotechnology-Laboratory Seminar,, IBM ARC, San José, US, 03-11 ♣ ○

Ernst Karl-Heinz
World in a Mirror: chirality and the birth of molecules, International Workshop on Nanomaterials and Nanodevices, Beijing, Huairou & Hohhot, CN, 06-29 to 07-06 ♣ ○

Ernst Karl-Heinz
Stereochemical recognition of aromatic hydrocarbons in 2D crystals (Plenary Lecture), 22nd International Conference on the Chemistry of the Organic Solid State (ICCOSS 2015), Niigata, JP, 07-12 to 07-17 ♣ ○

Ernst Karl-Heinz
Chirality in flatland: molecular recognition, chiral switches and unidirectional motors at surfaces, Argonne National Laboratory Seminar 06. 08. 2015, Argonne National Laboratory, Chicago, US, 08-06 ♣ ○

Ernst Karl-Heinz
Molecular motors at surfaces, Gordon Research Conference on Dynamics at Surfaces, Salve Regina University, Newport, Rhode Island, US, 08-09 to 08-13 ♣ ○

Ernst Karl-Heinz
Chirality in flatland: molecular recognition, chiral switches and unidirectional motors at surface, Chemistry Seminar, 14. 8. 2015, Brown University, Providence, RI, US, 08-14 ♣ ○

Ernst Karl-Heinz
Molecular chirality at surfaces: stereochemical recognition and single molecule manipulation, Physics colloquium 17. 9. 2015, University of Groningen, Groningen, NL, 09-17 ♣ ○

Ernst Karl-Heinz
Chiral molecular motors driven by electrons, Atomic Level Characterization – ALC' 15, Matsue, JP, 10-25 to 11-27 ♣ ○

Ernst Karl-Heinz
Atomic Level Characterization, Matsue, JP, 10-25 to 10-30 ■ ○

Ernst Karl-Heinz
Stereochemical recognition among chiral molecules at surfaces, Chirality at the Nanoscale, KU Leuven, BE, 11-03 to 11-06 ♣ ○

Ernst Karl-Heinz
World in a Mirror: chirality and the birth of molecules, Chirality at the Nanoscale, KU Leuven, BE, 11-03 to 11-06 ♣ ○

Ernst Karl-Heinz
Disappearing polymorphs and enantiomorphs: cooperative dynamics in ultra-thin molecular crystals, Nanoscale Science Department Seminar,, 18. 11. 2015, MPI for Solid State Physics, Stuttgart, DE, 11-18 ♣ ○

Hug Hans, Gehrig Jeffrey, Penedo Marcos, Schwenk Johannes, Marioni Miguel, Parschau Manfred, Hudson Eric
Entropic Forces, UK Japan Symposium on Atomic and Molecular Manipulation, Nottingham, GB, 12-15 to 12-16 ♣

Nanoscale Materials Science

Marioni Miguel A, Warnicke Peter, Pilet Nicolas, Sarafimov B., Romer Sara, Hug Hans J., Raabe Jörg
Magnetic Nanoscale Investigation using Multi-Mode Scanning Transmission X-ray Microscopy, Intermag, Beijing, CN, 05-11 to 05-15 ♣

Patscheider Jörg
Verschleissschutzschichten durch PVD-Methoden, SVMT-Tagung, ZHAW Winterthur, 02-19 ♣

Patscheider Jörg
Understanding nanostructured and nanocomposite coatings to achieve new properties, SKKU Workshop on Frontiers in Materials Science, Sungkyunkwan University, Suwon, KR, 02-23 to 02-24 ♣

Patscheider Jörg
Nanostructured hard nitride coatings by adding silicon or oxygen, Seminar Materials Chemistry, RWTH Aachen University, Aachen, DE, 11-05 ♣ ○

Patscheider Jörg, Böttger P.H. Michael, Castaldi Lorenzo, Fischer Maria
Adding oxygen to metal nitrides: Wandering in the fields of oxinitrides, 78th IUVSTA workshop on oxynitrides, Braga, PT, 10-04 to 10-08 ♣ ○

Patscheider Jörg, Böttger P.H. Michael, Shklover Valery, Sobiech Matthias
Designing the Thermal Conductivity of Hard Coatings – Theory and Experiments, TACT 2015 International Thin Films Conference, Tainan, TW, 11-15 to 11-19 ♣ ○

Patscheider Jörg, Böttger P.H. Michael, Shklover Valery, Lewin Erik, Sobiech Matthias
How to Tune the Thermal Conductivity of Hard Coatings – From Theory to Experiment, 10th Asian-European Conference on Plasma-Surface Engineering, Jeju, KR, 09-20 to 09-24 ♣ ○

Patscheider Jörg, Lewin Erik
Reactively sputter deposited ternary AlN-based coatings, 62nd AVS International Symposium, San José, CA, US, 10-17 to 10-23 ♣

Patscheider Jörg, Pelisson Schecker Aude, Parlinska-Wojtan Magdalena, Lewin Erik
Optically transparent hard coatings: adding Si, Ge and Sn to AlN, Seminar Materials Science and Enginering, National Taiwan University of Science and Technology, Taipei, TW, 11-19 ♣ ○

Schwenk Johannes, Schwenk Johannes, Hug Hans J., Marioni Miguel A., Hauet Thomas, Hehn Michel, Abreu Araujo Flavio, Antohe Vlad A., Srivastava Shri S.K., Piraux Luc
Capacitive distance control for measuring particulate magnetic media with Magnetic Force Microscopy, Intermag, Beijing, CN, 05-11 to 05-15 ♣

Thorwarth Kerstin
ICMCTF 2015 Session D1: Anti-bacterial Coatings, Surface Functionalization, Surgical Instruments, Dübendorf, US, 04-19 to 04-24

Thorwarth Kerstin, Rudigier Helmut, Hug Hans-Josef, Patscheider Jörg
Coatings Competence Center for Sputter Deposition by HiPIMS, CCMX Annual Meeting, Bern, 05-13 ◆

Thorwarth Kerstin, Thorwarth Götz, Barker Paul, Voisard Cyril, Kraft Makus, Patscheider Jörg
HiPIMS Titanium Coatings on PEEK for Medical Applications, ICMCTF 2015, San Diego, US, 04-19 to 04-24 ♣

Thorwarth Kerstin, Thorwarth Götz, Voisard Cyril, Kraft Markus, Bernard Laetitia, Patscheider Jörg
HiPIMS titanium metallization of PEEK for improved osseointegration, Annual Meeting SSB+RM2015, Lausanne, 06-08 to 11-10 ♣

Thorwarth Kerstin, Thorwarth Götz, Voisard Cyril, Kraft Markus, Patscheider Jörg
Osseointegrative coatings on PEEK, Empa MedTech Day, Dübendorf, 05-20 ♣ ○

Zhao Xue, Marioni Miguel, Romer Sara, Schwenk Johannes, Hug Hans J.
Tailoring reversal mechanism in a (Co_t/Pt_t')_n multilayers by strong interfacial coupling to a high coercivitiy rare earth ferrimagnetic film., Intermag, Beijing, CN, 05-11 to 05-15 ♣

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Deniz Okan
Recent advances in submolecular resolution with scanning probe microscopy, Summer School: Organic Molecules: experiments and theory meet at the surface, Lausanne, 06-29 to 07-03 ◆

Deniz Okan, Sanchez-Sanchez Carlos, Widmer Roland, Fasel Roman, Ruffieux Pascal
Electronic Decoupling of Surface-Supported Molecular Nanostructures by Intercalation of Thin Oxide Films, Annual Meeting of Swiss Working Group for Surface and Interface Science, SAOG 2015, Fribourg, 01-23 ◆

Deniz Okan, Sanchez-Sanchez Carlos, Fasel Roman, Ruffieux Pascal
Intercalation-based decoupling and characterization of bottom-up fabricated graphene nanoribbons, Empa PhD Students' Symposium 2015, Dübendorf, 12-07 ◆

Deniz Okan, Sanchez-Sanchez Carlos, Fasel Roman, Ruffieux Pascal
Intercalation-based decoupling and characterization of bottom-up fabricated graphene nanoribbons, Joint Annual Meeting of Swiss Physical Society and Austrian Physical Society, Vienna, AT, 09-01 to 09-04 ♣

Dienel Thomas
On-surface synthesis and characterization of carbon nanostructures, Seminar Institut für Werkstoffwissenschaft, TU Dresden, Dresden, DE, 11-12 ♣ ○

Dienel Thomas, Gröning OLiver, Kawai Shigeki, Söde Hajo, Feng Xinliang, Müllen Klaus, Ruffieux Pascal, Fasel Roman
Atomically resolved graphene nanoribbon junctions, Workshop on high-resolution AFM/STM images using functionalized tips, Prague, CZ, 02-23 to 02-24 ◆

Dienel Thomas, Gröning Oliver, Kawai Shigeki, Söde Hajo, Ruffieux Pascal, Fasel Roman
Atomically resolved connectivity in graphene nanostructure junctions, Atomic structure of nanosystems from first-principles simulations and microscopy experiments, Helsinki, FI, 06-09 to 06-11 ♣

Dienel Thomas, Wang Shiyong, Liu Jia, Kawai Shigeki, Ruffieux Pascal, Fasel Roman, Gröning Oliver
Simultaneous frequency-shift non-contact-AFM and tunneling current imaging of graphene nanostructures, International Conference on nc AFM, Cassis, FR, 09-07 to 09-11 ♣

Fairbrother Andrew, Lauber Beat, Sanchez-Valencia Juan-Ramon, Shorubalko Ivan, Feng Xinliang, Muellen Klaus, Ruffieux Pascal, Fasel Roman
Atomically Precise Graphene Nanoribbons for Device Applications, GraphITA 2015, Bologna, IT, 09-14 to 09-18 ♣

Fasel Roman
Electronic and optical properties of atomically precise graphene nanoribbons, Seminar at the Institute of Physics of the Czech Academy of Sciences, Prague, CZ, 04-09 ♣ ○

Fasel Roman
Bottom-Up Fabrication of Graphene-related Materials: From Molecules to Nanoribbons and Nanotubes, Brazilian Physical Society Meeting XXXVIII ENFMC, Foz do Iguacu, PR, BR, 05-24 to 05-28 ♣ ○

Fasel Roman
Bottom-up fabrication of graphene-related materials: From molecules to nanoribbons and nanotubes, The Sixteenth International Conference on the Science and Application of Nanotubes, Nagoya University, Nagoya, JP, 06-29 to 07-03 ♣ ○

Fasel Roman
Bottom-up fabrication of graphene nanoribbons: From molecules to devices?, 31st European Conference on Surface Science (ECOSS 31), Barcelona, ES, 08-31 to 09-04 ♣ ○

Fasel Roman
Bottom-up fabrication of graphene nanoribbons: From molecules to devices?, International Conference on Single-Molecule Electronics,, University of Regensburg, DE, 09-15 to 09-17 ♣ ○

Gröning Oliver
From Surface Science to Nanomaterials Synthesis and Characterization, Empa – Los Alamos Workshop, Dübendorf, 01-12 to 01-13 ♣

Gröning Oliver
Materials Science at the Atomic Limit: Status, Prospects and Challenges, Promotion Lecture, Dübendorf, 02-02 ♣

Gröning Oliver
Kohlenstoff basierte Nanomaterialien: Aus der Forschung in die Anwendung, FSRM Trends in Micro and Nano, Brugg, 02-02 ♣ ○

Gröning Oliver
Nano-Materialien: Technische Revolution oder Marketing Hype?, 200 Jahre SCNAT Event, Schaffhausen, 04-25 ♣ ○

Gröning Oliver
Materials Science at the Atomic Limit, Physics Kolloquium University of Zurich, Zurich, 05-06 ♣ ○

Gröning Oliver
The Role of Modeling in Experimental Surfaces- and Nanoscience, NCCR MARVEL PhD Symposium, Herliberg, 07-08 to 07-10 ♣ ○

Gröning Oliver
Nano-Materialien – Technische Revolution oder Marketing Hype?, Vollenweider Lectures Pädagogische Hochschule Luzern, Luzern, 11-03 ♣

Gröning Oliver, J. Prinz, R. Gaspari, A. Yakutovich, C. Pignedoli, D. Passerone, and R. Widmer
Surface science of PdGa as a model for intermetallic compounds in heterogeneous catalysis, Sustainable Industrial Processing Summit 2015 (SIPS 2015), Antalya, TR, 10-04 to 10-09 ♣ ○

Gröning Oliver, L. Liu, Th. Dienel, R. Widmer, M. Ianuzzi
Trapping, reacting and switching molecules on metal supported h-BN monolayer, Atomic structure of nanosystems from first-principles simulations and microscopy experiments (AS-SIMEX 2015), Helsinki, FI, 06-08 to 06-11 ♣ ○

Liu Liwei, Dienel Thomas, Widmer Roland, Groening Oliver
Manipulating the adsorption and charge state of Manganese Phthalocyanine on h-BN/Rh(111), 31th meeting of the Swiss Working Group of Surface and Interface Science, Fribourg, SZ, 01-23 ◆

Liu Liwei, Dienel Thomas, Widmer Roland, Groening Oliver
Interplay between Molecular Orbitals and Charging Effect of Manganese Phthalocyanine on an Atomically Thin Insulator, 31st European Conference on Surface Science, Barcelona, ES, 08-31 to 09-04 ◆

Liu Jia, Pascal Ruffieux, Shiyong Wang, Bo Yang, Carlos Sanchez, Jia Liu, Thomas Dienel, Leopold Talirz, Prashant Shinde, Carlo A. Pignedoli, Daniele Passerone, Tim Dumslaff, Xinliang Feng, Klaus Müllen, Roman Fasel
On-surface synthesis of atomically precise zigzag graphene nanoribbons, The 6th International Conference on Nanoscience and Technology, China 2015, Beijing, China, CN, 09-03 to 09-05 ♣

Passerone Daniele
2. MARVEL EXPERIMENTAL VERIFICATION WORKSHOP, Empa Dübendorf, 10-23 ■

Passerone Daniele, Pignedoli Carlo Antonio,
Computer-Aided Design of Graphene-Related Materials, Seminar, IBM Almaden, US, 09-14 ♣

Passerone Daniele, Pignedoli Carlo Antonio,
Computer-Aided Design of Graphene-Related Materials, WMRIF Symposium Computational Materials Sciences, Characterization and "Critical" Materials, Lawrence Livermore National Laboratory (LLNL), CA, US, 09-14 to 09-16 ♣ ○

Passerone Daniele, Shinde Prashant, Talirz Leopold, Gröning Oliver, Pignedoli Carlo A.
Edge Magnetism Instability in Functionalized zig-zag Graphene Nanoribbons, PSI-K 2015 Conference, San Sebastian, ES, 09-06 to 09-09 ◆

Passerone Daniele, Talirz Leopold, Shinde Prashant, Gröning Oliver, Molinari Elisa, Meunier Vincent, Pignedoli Carlo Antonio,
Electronic and Optical Properties of Atomically Precise Graphene Nanoribbons and Heterojunctions, Seminar, Department of Physics, UC Berkeley, US, 09-17 ♣

Passerone Daniele, Talirz Leopold, Shinde Prashant, Gröning Oliver, Molinari Elisa, Meunier Vincent, Pignedoli Carlo Antonio,
Electronic and Optical Properties of Atomically Precise Graphene Nanoribbons and Heterojunctions, PSI-K 2015 Conference, San Sebastian, ES, 09-06 to 09-09 ♣

Pignedoli Carlo Antonio
Atomistic simulations of real materials – growing up, Workshop in honor of Prof. Wanda Andreoni, EPFL LAusanne, 02-06 ♣ ○

Pignedoli Carlo Antonio
Real Materials, Atomistic Models, Open Challenges for a Technology Aperitif, Technology Aperitif, EPFL Lausanne, 05-27 ♣ ○

Pignedoli Carlo Antonio
Electronic and Optical Properties of Atomically Precise Graphene Nanoribbons and Heterojunctions, APS March Meeting, San Antonio Texas, US, 03-01 to 03-06 ♣ ○

Ruffieux Pascal
Electronic and Optical Properties of Atomically Precise Graphene Nanoribbons, International Winterschool on Electronic Properties of Novel Materials (IWEPMN '15), Kirchberg, AT, 03-08 to 03-14 ♣ ○

Ruffieux Pascal
Graphene Nanoribbons for Future Electronics, Dutch Graphene Conference 2015, Delft, NL, 06-11 ♣ ○

Ruffieux Pascal, Wang Shiyong, Liu Jia, Sanchez Carlos, Talirz Leopold, Fasel Roman, Pignedoli Carlo, Passerone Daniele,
Fill the gap: Tiling challenges for the bottom-up fabrication of zigzag graphene nanoribbons, molCHsurface, Bern, 06-08 ♣ ○

Sanchez-Sanchez Carlos
On-surface bottom-up synthesis of carbon nanostructures, Nanoforum 2015, Linz, AT, 06-08 to 06-09 ♣ ○

Sanchez-Sanchez Carlos, Liu Jia, Wang Shiyong, Talirz Leopold, Shinde Prashant, Pignedoli Carlo, Yang Bo, Liu Junzhi, Feng Xinliang, Müllen Klaus, Ruffieux Pascal, Fasel Roman
From Armchair to Zigzag and Beyond: Recent Progress in the Bottom-up Fabrication of Atomically Precise Graphene Nanoribbons, 31st European Conference on Surface Science (ECOSS-31), Barcelona, ES, 08-31 to 09-04 ♣

Scopece Daniele, Pignedoli Carlo A., Passerone Daniele, Jeurgens Lars P.
Modeling Defects at Metal/Ceramic Interfaces in Novel Nano-Structured Filler Materials for Low-Temperature Joining Applications, Swiss Nano-COnvention, Neuchatel, 05-27 to 05-28 ◆

Scopece Daniele, Pignedoli Carlo A., Passerone Daniele
Cluster, surfaces, defects in Metal-Ceramic systems with DFT and Variable Charge Molecular Dynamics, FisMat2015 Italian National Conference on Condensed Matter Physics, Palermo, Sicily, IT, 09-27 to 10-02 ♣

Talirz Leopold, Söde Hajo, Cai Jinming, Ruffieux Pascal, Blankenburg Stephan, Jaafar Rached, Berger Reinhard, Feng Xinliang, Müllen Klaus, Passerone Daniele, Fasel Roman, Pignedoli Carlo
Atomic and electronic structure of bottom-up fabricated graphene nanoribbons, Swiss Working Group for Surface and Interface Science 32nd annual meeting, Fribourg, 01-22 ◆

Talirz Leopold, Wang Shiyong, Söde Hajo, Ruffieux Pascal, Berger Reinhard, Narita Akimitsu, Feng Xinliang, Müllen Klaus, Kawai Shigeki, Fasel Roman, Pignedoli Carlo
Bottom-up fabricated graphene nanoribbons on a thin insulator, Statistical Physics and Low Dimensional Systems, Pont-a-Mousson, FR, 05-20 to 05-22 ♣ ○

Wang Shiyong, Leopold Talirz, Oliver Gröning, Xinliang Feng, Klaus Müllen, Roman Fasel, and Pascal Ruffieux
Electronic and vibronic properties of atomically precise bilayer graphene nanoribbons, Vibrations at surfaces, San Sebastian, ES, 06-22 to 09-25 ♣

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Widmer Roland, Prinz Jan, Pignedoli Carlo, Stöckl Quirin, Brune Harald, Passerone Daniele, Gröning Oliver
Surface Chirality of intermetallic PdGa Single Crystal Catalysts, 28th Symposium on Surface Science 2015, Les Arcs, FR, 03-22 to 03-28 ♣

Yakutovich Aliaksandr, Pignedoli Carlo A., Prinz Jan, Widmer Roland, Groening Oliver, Passerone Daniele
Theoretical and experimental investigation of PdGa surfaces and their catalytic properties, New Approaches in Computational Materials Design, Moscow, RU, 2014-12-11 to 2014-12-12 ◆

Yakutovich Aliaksandr, Pignedoli Carlo A., Prinz Jan, Widmer Roland, Groening Oliver, Passerone Daniele
Theoretical and experimental investigation of PdGa surfaces and their catalytic properties, SAOG 2015, Fribourg, 01-23 ♣

Yakutovich Aliaksandr, Pignedoli Carlo A., Prinz Jan, Widmer Roland, Groening Oliver, Passerone Daniele
Understanding enantioselectivity of PdGa high-symmetry surfaces, PASC15, Zurich, 06-01 to 06-03 ◆

Yakutovich Aliaksandr, Pignedoli Carlo A., Prinz Jan, Widmer Roland, Groening Oliver, Passerone Daniele
Understanding enantioselectivity of PdGa high-symmetry surfaces, MARVERL Junior Retreat, Maennedorf, 07-07 to 07-10 ◆

Thin Films and Photovoltaics

Bissig Benjamin, Reinhard Patrick, Pianezzi Fabian, Avancini Enrico, Nishiwaki Shiro, Buecheler Stephan, Tiwari Ayodhya N.
Potassium Fluoride Post-Deposition Treatment as a Possible Route to Improve the Performance of Cu(In,Ga)Se2 Solar Cells with Increased Cu Content, MRS Spring Meeting 2015, San Francisco, US, 04-05 to 04-10 ◆

Buecheler Stephan, Bissig Benjamin, Keller Dobora, Feurer Thomas, Avancini Enrico, Carron Romain, Nishiwaki Shiro, Tiwari Ayodhya N.
Highly efficient thin film solar cells – How nano-structuring can help to improve the performance further, NanoVision2015, Erlangen, DE, 11-17 to 11-18 ♣ ○

Buecheler Stephan, Fu Fan, Kranz Lukas, Löckinger Johannes, Feurer Thomas, Reinhard Patrick, Jäger Timo, Bissig Benjamin, Tiwari Ayodhya N.
CH3NH3PbI3 perovskite as absorber material in planar configuration for thin film tandem solar cells, Quantsol 2015, Rauris, AT, 03-23 to 03-25 ♣ ○

Buecheler Stephan, Fu Fan, Kranz Lukas, Löckinger Johannes, Feurer Thomas, Reinhard Patrick, Jäger Timo, Hagendorfer Harald, Bissg Benjamin, Tiwari Ayodhya N
Route to high performance perovskite-CIGS Tandem solar cells, MRS Fall Meeting 2014, Boston, US, 2014-11-30 to 2014-12-05 ♣

Buecheler Stephan, Fu Fan, Kranz Lukas, Löckinger Johannes, Feurer Thomas, Reinhard Patrick, Jäger Timo, Tiwari Ayodhya N.
Planar perovskite solar cells as top cell in thin film tandem devices, MESO Perovskite PV Workshop, Villars, 02-16 to 02-19 ♣ ○

Buecheler Stephan, Gretener Christina, Kranz Lukas, Perrenoud Julian, Tiwari Ayodhya N.
Impurities in CdTe: doping, passivation, stability, MRS Spring Meeting 2015, San Francisco, US, 04-05 to 04-10 ♣ ○

Buecheler Stephan, Reinhard Patrick, Pianezzi Fabian, Bissig Benjamin, Keller Debora, Nishiwaki Shiro, Hagendorfer Harald, Kranz Lukas, Fu Fan, Löckinger Johannes, Feurer Thomas, Tiwari Ayodhya N.
Flexible CIGS thin film solar cells – scope for further efficiency improvement of single junction and tandem devices, Swiss PV Tagung, Basel, 03-16 to 03-17 ◆ ○

Buecheler Stephan, Reinhard Patrick, Pianezzi Fabian, Bissig Benjamin, Keller Debora, Nishiwaki Shiro, Gretener Christina, Kranz Lukas, Perrenoud Julian, Tiwari Ayodhya N.
Flexible CIGS and CdTe thin film solar cells – recent developments and further prospects, E-MRS Spring Meeting 2015, Lille, FR, 05-11 to 05-15 ♣

Buecheler Stephan, Reinhard Patrick, Pianezzi Fabian, Bissig Benjamin, Keller Debora, Feurer Thomas, Avancini Enrico, Carron Romain, Nishiwaki Shiro, Tiwari Ayodhya N.
Introduction to alkali post deposition treatment, EU-PVSEC 2015, Hamburg, DE, 09-14 to 09-18 ♣ ○

Feurer Thomas, Reinhard Patrick, Fu Fan, Kranz Lukas, Bissig Benjamin, Avancini Enrico, Nishiwaki Shiro, Buecheler Stephan, Tiwari Ayodhya N.
Low bandgap Cu(In,Ga)Se2 solar cells applied in tandem devices with perovskite top cells, EU PVSEC 2015, Hamburg, DE, 09-14 to 09-18 ♣

Fu Fan, Kranz Lukas, Feurer Thomas, Reinhard Patrick, Löckinger Johannes, Jäger Timo, Bissig Benjamin, Tiwari Ayodhya N.
Development of Near Infrared Transparent Perovskite Solar Cells for Tandem Application with Cu(In,Ga)Se2, E-MRS Spring Meeting 2015, Lille, FR, 05-11 to 05-15 ◆

Fu Fan, Lukas Kranz, Songhak Yoon, Johannes Loeckinger, Timo Jäger, Julian Perround, Thomas Feurer, Ayodhya N. Tiwari, Stephan Buecheler
Controlled growth of PbI2 nanoplates for rapid preparation of CH3NH3PbI3 in high performance planar perovskite solar cells, 7th Hybrid and Organic Photovoltaics Conference, Rome, IT, 05-10 to 05-13 ◆

Fu Fan, Martin Statz, Enrico Avancini, Songhak Yoon, Benjamin Bissig, Patrick Reinhard, Stephan Buecheler, Ayodhya N. Tiwari
Synergistic Effect of PCBM and PbI2 on Suppressing J-V Hysteresis in Planar Perovskite Solar Cells, 1st International Conference on Perovskite Solar Cells and Optoelectronics, Lausanne, 09-27 to 09-29 ♣

Fuchs Peter, Steinhauser Jérôme, Romanyuk Yaroslav, Tiwari Ayodhya
UV illumination induced changes in solution deposited conductive ZnO thin films, EMRS Spring Lille, Lille, FR, 05-11 to 05-15 ◆

Haass Stefan, Diethelm Matthias, Werner Melanie, Romanyuk Yaroslav E., Tiwari Ayodhya N.
Advanced characterization and defect analysis of highly efficient solution deposited kesterite solar cells, EU PVSEC 2015, Hamburg, DE, 09-14 to 09-18 ♣

Haass Stefan, Diethelm Matthias, Andres Christian, Romanyuk Yaroslav E., Tiwari Ayodhya N.
Potassium Treatment of Solution-Processed Kesterite Solar Cells, 6th Kesterite Workshop, Newcastle upon Tyne, GB, 11-18 to 11-20 ♣

Haass Stefan, Diethelm Matthias, Andres Christian, Romanyuk Yaroslav E., Tiwari Ayodhya N.
Potassium Treatment of Solution-Processed Kesterite Solar Cells, 6th European Kesterite Workshop (2015), Newcastle upon Tyne, GB, 11-19 to 11-20 ♣

Jäger Timo, Nishiwaki Shiro, Reinhard Patrick, Bissig Benjamin, Pianezzi Fabian, Steinhauser Jérôme, Buecheler Stephan, Romanyuk Yaroslav, Tiwari Ayodhya
Hydrogenated In2O3 front contacts for high-efficiency CIGS solar cells, MRS 2015 Spring Meeting, San Francisco, CA, US, 04-06 to 04-10 ♣

Keller Debora, Buecheler Stephan, Reinhard Patrick, Pianezzi Fabian, Snoeck Etienne, Gatel Christophe, Pohl Darius, Surrey Alexander, Rellinghaus Bernd, Rossell Marta D., Erni Rolf, Tiwari Ayodhya N.
Analysis of electronic inhomogeneities in CIGS thin film solar cells by VEELS and holography, Microscopy Conference, Göttingen, DE, 09-06 to 09-11 ♣ ○

Kravchyk Kostiantyn, Shutao Wang, Meng He, Marc Walter, Frank Krumeich, Maksym Kovalenko
Monodisperse CoSn2, CoSb and FeSn2 NCs for High Performance Li-Ion Battery Anodes, The SCCER Heat and Electricity Storage 3rd Symposium, Paul Scherrer Institut, 10-26 ◆

Löckinger Johannes, Avancini Enrico, Nishiwaki Shiro, Buecheler Stephan, Romanyuk Yaroslav, Tiwari Ayodhya N.
Alternative Zn(O,S) buffer layers for CIGS solar cells, Empa PhD Students Symposium 2015, EMPA Dübendorf, 12-07 ◆

Romanyuk Yaroslav
Session "3BO.7: Contacts, buffers and interfaces", EU PVSEC 2015, Hamburg, DE, 09-14 to 09-18

Romanyuk Yaroslav
Solution-processed and printed inorganic solar cells: realities and hopes, Swiss e-Print 2015, Neuchâtel, 10-01 to 10-02 ♣ ○

Romanyuk Yaroslav, Hagendorfer Harald, Stücheli Patrick, Fuchs Peter, Uhl Alexander, Sutter-Fella Carolin, Werner Melanie, Haas Stefan, Stückelberger Josua, Tiwari Ayodhya
All-solution processed chalcogenide thin film solar cells, NEXTGEN NANO PV 2015 workshop and summer school, Mahon, Menorca, ES, 04-20 to 04-24 ♣ ○

Statz Martin, Fu Fan, Buecheler Stephan, Tiwari Ayodhya N.
Wide Bandgap Perovskite Solar Cells with CH3NH3Pb(I1-xBrx)3 Absorber Layers Grown by Co-evaporation of Lead Halides, 1st International Perovskite Conference, Lausanne, 09-27 to 09-29 ◆

Steinhauser Jérôme, Steinhauser Jérôme, Fuchs Peter, Hagendorfer Harald, Grand Pierre-Philippe, Sorba Alexis, Broussillou Cédric, Romanyuk Yaroslav E., Tiwari Ayodhya N.
Electrodeposited CIGS mini-modules with chemical bath deposited zinc oxide as transparent conductive oxide, EUPVSEC 2015, Hamburg, DE, 09-14 to 09-18 ◆

Tiwari Ayodhya Nath
Prospects and challenges of CIGS based tandem solar cells towards 30% efficiency, 7th International Symposium on Innovative Solar Cells (ISISC-7), Tokyo, JP, 01-19 to 01-20 ♣ ○

Tiwari Ayodhya Nath
Prospects and challenges of CIGS based tandem solar cells towards 30% efficiency, Research Center for Photovoltaic Technologies, AIST, Tsukuba, JP, 01-21 ♣ ○

Tiwari Ayodhya Nath
Progress in high efficiency CIGS solar cells, but where it leads to?, 6th International Workshop on CIGS Solar Cell Technology (IW-CIGSTech 6), Berlin, DE, 04-29 to 04-30 ♣ ○

Tiwari Ayodhya Nath
Building a PV Enterprise: Manufacturing of high efficiency flexible solar cells for cost effective solar electricity, International Summer University on Energy (ISU Energy 2015), Falera, 08-23 to 09-04 ♣ ○

Tiwari Ayodhya Nath
Solution based processes in thin film chalcogeide and perovskite solar cells,, Santiago de Compostela, Spain, 9 – 11 September 2015., International Conference on Solution Processed Innovative Solar Cells, Santiago de Compostela, ES, 09-09 to 09-11 ♣ ○

Tiwari Ayodhya Nath
Thin film polycrystalline solar cells for high performance and low cost photovoltaics, Fall Meeting of the European Materials Research Society (EMRS Fall 2015), Warsaw, PL, 09-15 to 09-18 ♣ ○

Thin Films and Photovoltaics

Tiwari Ayodhya Nath
Thin film solar cells: opportunities for high performance and low cost photovoltaics, Symposium on Solar Energy Advances and Conversion Strategies, Brunel University, London, GB, 10-14 ♣ ○

Tiwari Ayodhya Nath
Progress in high efficiency thin film photovolatics and future prospects, 3rd International Renewable and Sustainable Energy Conference (IRSEC'15), Marrakech & Ouarzazate, MA, 12-10 to 12-13 ♣ ○

Walter Marc, He Meng, Zuend Tanja, Kovalenko Maksym
Nanocrystals as High-Performance Anode Materials for Sodium-ion Batteries, Lithium Battery Discussions 2015, Arcachon, FR, 06-21 to 06-26 ◆

Werner Melanie, Keller Debora, Haass Stefan, Gretener Christina, Bissig Benjamin, Fuchs Peter, Andres Christian, La Mattina, Erni Rolf, Romanyuk Yaroslav, Tiwari Ayodhya N.
Enhanced carrier collection from CdS passivated grains in solution processed Cu2ZnSn(S,Se)4 solar cells, E-MRS SPRING 2015, European Materials Research Society Spring Meeting, Lille, FR, 05-11 to 05-15 ◆

Civil and Mechanical Engineering

Applied Wood Materials

Antonini Carlo
Viscous drops bounce faster: prompt tumbling-rebound from a sublimating slope, APS DFD 2015, Boston, US, 11-22 to 11-24 ♣ ○

Arnold Martin
EU-Project SERVOWOOD – Improved Service Life Prediction and Test Capability for Wood Coatings, 7th European Weathering Symposium EWS, Napoli, IT, 09-16 to 09-18 ♣ ○

Burgert Ingo
Bioinspired wood materials, Biomimetics: From nature to applications, Cambridge, GB, 01-09 ♣ ○

Burgert Ingo
Funktionalisierung von Holz für gebräuchliche und neuartige Anwendungen, Aktuelle Fragen der Holzforschung – von den Grundlagen zur industriellen Umsetzung, Kolloquium zur Verabschiedung von Peter Niemz, ETH Zürich, Zürich, 01-19 to 01-20 ♣ ○

Burgert Ingo
Bio-inspirierte Materialien in der Holzforschung, 5. Innovationsworkshop Holzwerkstoffe 2015, Messe Köln, Köln, DE, 05-04 ♣ ○

Burgert Ingo
Bio-inspired functionalization of Wood, HYBER Symposium, Aalto University, Aalto, FI, 05-12 to 05-13 ♣ ○

Burgert Ingo
Functional Wood Materials, EUROMECH Colloquium 556, Dresden, DE, 05-27 to 05-29 ♣ ○

Burgert Ingo
Bio-inspired wood materials. SFB 986, Materials Science Colloquium TU Hamburg-Harburg, Hamburg, DE, 06-10 ♣ ○

Burgert Ingo
Functionalization of the wood cell wall for advanced biomaterials, OIST Mini Symposium – Unraveling the mysteries of cellulose: From biosynthesis & biological diversity to biomaterials, Okinawa, JP, 06-21 to 06-22 ♣ ○

Burgert Ingo
Functionalization of wood materials, Kolloquium Adolph Merkle Institut, Freiburg, DE, 07-14 ♣ ○

Burgert Ingo
Neue Materialien für den Holzbau – Was wird Holz in Zukunft können?, Faszination Holzbau, St. Gallen, 09-17 to 09-18 ♣ ○

Burgert Ingo
Bio-inspired Wood Materials Science, Kolloquium Aalto University, Espoo, FI, 09-24 ♣ ○

Burgert Ingo
Holz mit verbesserten und neuartigen Eigenschaften – Neue Möglichkeiten für die Architektur?, Architekturmesse A&W München, München, DE, 10-07 ♣ ○

Burgert Ingo
Mit verbesserten und neuen Eigenschaften in die Zukunft des Holzes, S-WIN 47. Fortbildungskurs Moderner Massivbau aus Holz – vom Einfamilienhaus bis zum Hochhaus, Weinfelden, 10-20 to 10-21 ♣ ○

Burgert Ingo
Modifikationen von Holz und Holzoberflächen, Forum Appenzellerhaus, Pinselstrich und Sonnenstrahl, Teufen, 10-24 ♣ ○

Cabane Etienne, Ermeydan Mahmut, Keplinger, Tobias, Merk Vivian, Burgert Ingo
NEW FUNCTIONAL MATERIALS FROM WOOD: GRAFTING POLYMERIZATION IN THE WOOD STRUCTURE, 3rd International Symposium on Green Chemistry, La Rochelle, FR, 05-03 to 05-07 ♣ ○

Cabane Etienne, Keplinger Tobias, Burgert Ingo
FUNCTIONALIZATION OF LIGNOCELLULOSIC MATERIALS, 3F-Talks 2015, Achen, DE, 03-05 to 03-06 ♣ ○

Cabane Etienne, Keplinger Tobias, Burgert Ingo
GRAFTING POLYMERS IN THE WOOD STRUCTURE: TOWARDS FUNCTIONAL LIGNOCELLULOSIC MATERIALS, Polymer Reaction Engineering IX, Cancun, MX, 05-10 to 05-15 ♣ ○

Cabane Etienne, Keplinger Tobias, Burgert Ingo
GRAFTING POLYMERS IN THE WOOD STRUCTURE: TOWARDS FUNCTIONAL LIGNOCELLULOSIC MATERIALS, 3rd Biopolymers 2015 International Conference, Nantes, FR, 12-14 to 12-16 ♣ ○

Civardi Chiara
Assessing the effectiveness and environmental risk of nanocopper-based wood preservatives, NRP 64, Fribourg, 03-26 to 03-27 ♣ ○

Civardi Chiara
Environmental Fate of Micronized Copper Azole, BOKU, Vienna, AT, 09-07 to 09-08 ♣ ○

Civardi Chiara, Lukas Schlagenhauf, Joel Benz, Cordula Hirsch, Jan Van den Bulcke, Mark Schubert, Joris Van Acker, Peter Wick, Francis WMR Schwarze
Environmental Fate of Micronized Copper, IRG46, Vina de Mar, CL, 05-10 to 05-14 ♣

Grüneberger Franziska
Potential of nanofibrillated cellulose as stabilizer in miniemulsion polymerization: A feasibility study, European Polymer Congress, Dresden, DE, 06-21 to 06-26 ♣ ○

Grüneberger Franziska
Potential of nanofibrillated cellulose as stabilizer in miniemulsion polymerization: A feasibility study, 12th International Conference on Materials Chemistry, York, GB, 07-20 to 11-23 ♣ ○

Grüneberger Franziska
Nanofibrillated cellulose as additive for wood coatings, COST Action FP1105 Meeting 'Functional wood and cellulose-based materials', Empa Dübendorf, 08-31 to 09-01 ♣ ○

Grüneberger Franziska
Nanofibrillated Cellulose as Additive for Wood Coatings, 9. Colloquium (ETH, EMPA, BOKU Vienna, Wood Kplus Holz) 'Next Generation Biobased Materials', Vienna, AT, 09-07 to 09-08 ♣ ○

Guo Huizhang, Burgert Ingo
Bringing New Functions to Wood through Controlling the Nanostructure on the Surface, Next Generation Biobased Materials – BOKU-ETH Meeting, Vienna, AT, 09-07 to 09-08 ♣ ○

Keplinger Tobias, Cabane Etienne, Burgert Ingo
Versatile Strategies for the Modification and Functionalization of the Wood Structure, 58th SWST International Convention, Wyoming, US, 06-07 to 06-12 ♣ ○

Keplinger Tobias, Cabane Etienne, Burgert Ingo
Strategies for the modification and functionalization of wood cell walls for the development of functional wood-polymer hybrid materials, COST Action, Dübendorf, 08-31 to 09-01 ♣ ○

Kläusler Oliver
Holz – ein Hochleistungswerkstoff, EMPA Wissenschaftsapéro, Zürich, 08-13 ♣ ○

Kläusler Oliver
Holz – ein Hochleistungswerkstoff, EMPA Wissenschaftsapéro, St. Gallen, 08-21 ♣ ○

Kläusler Oliver
Modifizierung von heimischen Hölzern für den Musikinstrumentenbau, Schweizer Verband der Geigenbauer (SVGB) und Bogenmacher und Verband Deutscher Geigenbauer und Bogemacher e.V. (VDG), Zürich, 11-02 ♣ ○

Kläusler Oliver
tbd, Montagskolloqium der ETH Zürich, Zürich, 12-07 ♣ ○

Kostic Sanja, Cabane Etienne
Development of a Novel Adhesion System between wood timber and concrete, Next Generation Biobased Materials – BOKU-ETH Meeting, Vienna, AT, 09-07 to 09-08 ♣ ○

Künniger Tina
Nnanofibrillierte Zellulose in Holzbeschichtungen, Wiener Holzschutztage, Vienna, AT, 11-23 to 11-24 ♣ ○

Künniger Tina
Nanofibrillierte Cellulose in Holzbeschichtungen, Montagskolloquien für die Praxis 'Holz- und zellulosebasierte Materialien – Aussicht auf innovative Produkte?', Zürich, 12-07 ♣ ○○

Merk Vivian
Holz als Material, Acacia wood and inorganic binders: Sustainable building materials produced in Namibia, Saarbrücken, DE, 12-01 to 12-02 ♣ ○

Merk Vivian
Mineralisation von Holz für besseren Brandschutz, Montagskolloqium der ETH Zürich, Zürich, 12-07 ♣ ○

Merk Vivian, Chanana Munish, Gaan S, Burgert Ingo
Bioinspired Mineralization of Wood on Nano- and Submicron Level for Green Fire Retardancy, IAWPS (International Symposium on Wood Science and Technology), Tokyo, JP, 03-15 to 03-17 ♣ ○

Merk Vivian, Chanana Munish, Burgert Ingo
Bioinspired mineralization of wood with by calcium Carbonate, BIOMINXIII (13th International Symposium on Biomineralization), Granada, ES, 09-16 to 09-19 ♣ ○

Applied Wood Materials

Özparpucu Merve, Rüggeberg Markus, Burgert Ingo
Micromechanical and structural characterization of genetically modified poplar, 8th Plant Biomechanics International Conference, Nagoya, JP, 11-30 to 12-04 ♣ ○

Rüggeberg Markus
Smart wooden actuators, 79th Annual Meeting of the DPG, Berlin, DE, 03-15 to 03-20 ♣ ○

Schwarze Francis
Annual Conference American Society of Consulting Arborists, asca2015, Tucson, Arizona, US, 12-02 to 12-05 ♣ ○

Segmehl Jana
Wood derived bio-scaffolds for multifunctional materials tailored through chemical delignification, Euro BioMAT, Weimar, DE, 04-21 to 04-22 ♣ ○

Segmehl Jana, Keplinger Tobias, Burgert Ingo
Hierarchical cellulosic bio scaffolds derived from wood using chemical delignification methods, COST Action FP1195, Final Workshop, Empa Dübendorf, 08-31 to 09-01 ♣ ○

Segmehl Jana, Keplinger Tobias, Krasnobaev Artem, Burgert Ingo
Chemical delignification to tailor wood derived bio-scaffolds for multifunctional materials, MaP Graduate Symposium 2015, Zürich, 06-03 ♣ ○

Segmehl Jana, Keplinger Tobias, Krasnobaev Artem, Burgert Ingo
Hierarchical Cellulosic Bio-Scaffolds Derived from Wood for the Application in Multifunctional Materials, 2015 MRS Fall Meeting, Boston, US, 11-30 to 12-04 ♣ ○

Segmehl Jana, Lauria Alessandro, Keplinger Tobias, Burgert Ingo
Assembly of multifunctional hierarchical materials through incorporation of nanoparticles in highly ordered cellulosic scaffolds, E-MRS 2015 Fall Meeting, Warsaw, PL, 09-15 to 09-18 ♣ ○

Sehaqui Houssine
Humic acid adsorption onto cationic cellulose nanofibrils, International Symposium on Wood Science and Technology 2015 (IAWPS2015), Tokyo, JP, 03-14 to 03-19 ♣ ○

Tingaut Philippe
Synthesis of functional sponges from nanofibrillated cellulose using a silylation process in water, ACS, Denver, US, 03-22 to 03-26 ♣ ○

Zimmermann Tanja
Wundermittel aus Zellulose, Holz Public, Empa Dübendorf und St. Gallen, 08-13 to 08-21 ♣ ○

Zimmermann Tanja
Nanocellulose research – "Excellent results but still nothing striking on the market", Nanocellulose 2015 Round Table of Ideas, University of Vienna, AT, 09-26 to 09-28 ♣ ○

Zimmermann Tanja
Fortschritte in der Nanozelluloseforschung – nanozellulosebasierte Materialinnovationen, 3. Holzanatomisches Kolloquium, Dresden, DE, 10-01 to 10-02 ♣ ○

Zimmermann Tanja, Siqueira, Gilberto, Orsolini, P., Tingaut, P., Zimmermann, T.
Nanocellulose Applications, The Biocomposites in Construction International Conference, London, GB, 05-21 to 05-22 ♣ ○

Zimmermann Tanja, Tingaut Philippe
Challenges and opportunities for the elaboration of functional materials from Cellulose nanofibers at industrial scale, COST conference FP1205, Iasi, RO, 03-10 to 03-11 ♣ ○

Zimmermann Tanja, Tingaut Philippe
Functional nanocellulose based materials@Empa, Seminar, Aalto University, Helsinki, FI, 09-24 ♣ ○

Zimmermann Tanja, Tingaut, Philippe
Nanocellulose Applications – from research to market, H.F. Mark-Symposium 2015, University of Vienna, AT, 09-29 to 09-30 ♣ ○

Building Energy Materials and Components

Brunner Samuel
Aerogel based solution for energy efficiency on the building envelope, Energy forum: Advanced Building Skins, Bern, 11-04 ♣

Brunner Samuel, M. Koebel
Aerogel-based solutions for the building envelope, Energy forum: Advanced Building Skins, Bern, 11-04 ■

Brunner Samuel, M. Koebel, J. Wernery
High performance thermal insulation – examples from the Swiss built environment, CISBAT-Future Buildings&Districts-Sustainibility from nano to urban scale, Lausanne, 09-09 to 09-11 ◆

Brunner Samuel, R. Galliano, T. Stahl, S. Brunner, S. Zhao, G. Masera, S. Aliprandi
Hygrothermal behavior of three internal retrofit prototypes, 6th International Building Physics Conference, Torino, IT, 05-12 ♣

Galmarini Sandra, A.K. Mohamed, P. Bowen, K.L. Scrivener
Atomistic structure of C-S-H from defective tobermorite structures: variations of defects and features, 14th International Congress on the Chemistry of Cement (ICCC), Beijing, CN, 10-13 to 10-16 ♣

Building Energy Materials and Components

Huber Lukas, S. Zhao, M. Koebel
Cost-effective pilot-scale demonstration of ambient-dried silica aerogel production by a novel one-pot process, CISBAT-Future Buildings&Districts-Sustainibility from nano to urban scale, Lausanne, 09-09 ♣

Koebel Matthias
Aerogele und deren Struktur: Highlights aus der Forschung und anwendungstechnische Aspekte, IB Aerogel – Revolution in der Wärmedämmung, Dübendorf, 02-24 ♣

Koebel Matthias
Advanced sorption technologies and their applications, Advanced sorption technologies and their applications, Dübendorf, 05-12 ■

Koebel Matthias
Materialien und Systeme für Sanierung und Neubau – ein Blick in die Zukunft, 1. Fachkongress ENERGIE+BAUEN, Energie-Tage, St. Gallen, 05-21 to 05-22 ♣

Koebel Matthias, L. Huber, S. Zhao, P. Tingaut
Breakthroughs in cost-effective, scalable production of superinsulating, ambient-dried silica aerogel and silica biopolymer hybrid aerogels, Sol-Gel 2015, Kyoto, JP, 09-06 to 09-11 ♣ ○

Malfait Wim
Aerogel: a superinsulation material, Energy forum: Advanced Building Skins, Bern, 11-04 ♣

Malfait Wim, S. Petitgirard, R. Seifert, C. Sanchez-Valle
Magma bouyancy: from supervolcano magma chambers to the core-mantle boundary, Goldschmidt, Geochemical Society, Prag, CZ, 08-17 ♣ ○

Stojanovic Ana, M. Koebel
Low cost silica aerogel production, CISBAT-Future Buildings&Districts-Sustainibility from nano to urban scale, Lausanne, 09-09 ♣

Zhao Shanyu, A. Demilecamps, A. Rigacci, L. Huber, W. Malfait, P. Tingaut, T. Budtova, M. Koebel
Mechanically robust pectin-silica nanocomposite aerogels: potential materials for thermal superinsulation, International Congress on Architectural Envelopes 2015, San Sebastian, Spain, ES, 05-27 ♣

Zhao Shanyu, R. Galliano, T. Stahl, S. Brunner, S. Zhao, G. Masera, S. Aliprandi
Hygrothermal behavior of three internal retrofit prototypes, 6th International Building Physics Conference, Torino, IT, 05-12 ♣

Center for Synergetic Structures

Aregger Damian, Hesse Henrik, Gohl Flavio, Heilmann Jannis, Houle Corey, Smith Roy, Luchsinger Rolf
Hardware in the Loop Testing for Autonomous Airborne Wind Energy Systems, AWEC 2015, Delft, NL, 06-15 to 06-16 ♣

Hesse Henrik, Wood Tony, Millane Alexander, Zgraggen Aldo, Smith Roy, Gohl Flavio, Costa Dino, Luchsinger Rolf, Aregger Damian, Heilmann Jannis, Houle Corey
Autonomous Pumping Cycles of Tethered Wings, AWEC 2015, Delft, NL, 06-15 to 06-16 ♣

Houle Corey, Costa Dino, Galliot Cédric, Gohl Flavio, Luchsinger Rolf
Mobile Wind Farms Unsing Tethered Wings – Technical and Economic Considerations, AWEC 2015, Delft, NL, 06-15 to 06-16 ♣

Luchsinger Rolf, Aregger Damian, Bezard Florian, Costa Dino, Galliot Cédric, Gohl Flavio, Heilmann Jannis, Hesse Henrik, Houle Corey, Wood Tony, Smith Roy
Closing the Gap: Pumping Cycle Kite Power with Twings, AWEC 2015, Delft, NL, 06-15 to 06-16 ♣

Concrete / Construction Chemistry

Chitvoranund Natechanok, Lothenbach Barbara, Sinthupinyo Sakprayut, Winnefeld Frank
Reactivity of calcined clay in alite-calcium sulfoaluminate cement hydration, 1st International Conferenc on Calcined Clays for Sustainable Concrete, Lausanne, 06-23 to 06-25 ♣

Chitvoranund Natechanok, Winnefeld Frank, Sinthupinyo S., Lothenbach Barbara
Phase assemblage study of alite-calcium sulfoaluminate cement blended with supplementary cementitious materials, 14th International Congress on the Chemistry of Cement, Beijing, CN, 10-13 to 10-16 ♣

Fang Xing, Garcia Alvaro, Lura Pietro
The Influence of Early Cement Hydration on Stability of Rosin Emulsified Anionic Bitumen Emulsion, 9th International Conference on Road and Airfield Pavement Technology, Dalian, CN, 08-09 to 08-13 ♣

Gawin Dariusz, Jablonski Marek, Francesco Pesavento, Wyrzykowski Mateusz
MACROSCOPIC MODEL FOR FE AN ALYSIS OF CONCRETE EARLY AGE PHENOMENA – MULTI-PHASE, POROMECHANICAL APPROACH, 2nd Workshop of the COST Action TU1404 "Towards the next generation of standards for service life of cement-based materials and structures", Vienna, AT, 09-19 to 09-20 ♣

Hailesilassie Biruk, Jerjen Iwan, Griffa Michele, Partl Manfred
A closer scientific look to foamed bitumen, 3rd ISAP International Symposium on Asphalt Pavements and Environment, Sun City, ZA, 08-16 ♣

Hu Zhangli, Kazemi-Kamyab Hadi, Wyrzykowski Mateusz, Scrivener Karen, Lura Pietro
Experimental investigation of autogenous shrinkage of blended cementitious materials, The 14th International Congress on the Chemistry of Cement, Beijing, CN, 10-13 to 10-16 ♣

Kaufmann Josef
SUVA Verwaltungsrat, SUVA Ausflug, Empa - Betonlabor, 09-10 ♣ ○

Kaufmann Josef
Möglichkeiten und Grenzen der saisonalen Energiespeicherung, am Beispiel Betonspeicher, CPI Kurs, Zürich, 12-09 ♣

Concrete / Construction Chemistry

Kaufmann Josef, Yang Fei, Prade Friedrich, Griffa Michele, Jerjen Ivan, Di Bella Carmelo, Herzen Julia, Sarapata Adrian, Pfeiffer Franz, Lura Pietro, Neels Antonia
Enhancing X-ray imaging of liquids in porous materials., Digital Industrial Radiology and Computed Tomography (DIR 2015), Ghent, BE, 06-22 to 06-25 ♣

Leemann Andreas
Neues von Zement und Beton, SVGW-Wasserfachtagung "Reservoir: Planung – Bau – Sanierung – Betrieb", Olten, 01-13 ♣ ○

Leemann Andreas
ASR Prevention – Effect of lithium on the reaction products formed in aggregates, 15th Euroseminar on Microscopy Applied to Building Materials, Delft, NL, 06-17 to 06-19 ♣

Leemann Andreas
Propriétés et applications recommandées pour le béton recyclé, Holcim "13. Journée d'information", Rolex Learning Center, EPF Lausanne, Lausanne, 09-30 ♣

Leemann Andreas
Actualités du domaine «ciment et béton», Séminaire SSIGE "Réhabilitation de réservoirs d'eau potable", Yverdon, 11-02 ♣ ○

Lothenbach Barbara
Thermogravimetric analysis, Precongress Course Microstructural Characterisation, Tsinghua University, Beijing, CN, 10-11 ♣ ○

Lothenbach Barbara
Ternary diagrams and thermodyanmic modelling of hydrate assemblages, Precongress Course Microstructural Characterisation,, Tsinghua University, Beijing, CN, 10-11 ♣ ○

Lothenbach Barbara
Nature of hydrates: C-S-H. Precongress Course Hydration of Cement, Beijing University of Technology, Beijing, CN, 10-12 ♣ ○

Lothenbach Barbara
Thermodynamic predictions of hydrate assemblages. Precongress Course Hydration of Cement, Beijing University of Technology, Beijing, CN, 10-12 ♣ ○

Lothenbach Barbara, Ben Haha Mohsen, Gruskovnjak Astrid, Winnefeld Frank
Influence of slag composition on hydrate composition and compressive, 19. Internationale Baustofftagung (ibausil), Weimar, DE, 09-16 to 09-18 ♣ ○

Lothenbach Barbara, Nonat Andrè
Calcium silicate hydrates: solid and liquid phase composition, 14th International Congress on the Chemistry of Cement, Beijing, CN, 10-13 to 10-16 ♣ ○

Lura Pietro, Fang Xing, Garcia Alvaro
The Role of Cement in Cement Bitumen Emulsion Asphalt, RMD Symposium, Empa, Dübendorf, 02-17 ♣

Lura Pietro, Ghourchian Sadegh, Wyrzykowski Mateusz
Plastic shrinkage and cracking. Impacts of concrete raw materials, Holcim Concrete Technology & Applications Roundtable ONEurope, Hannover, DE, 03-31 ♣ ○

Lura Pietro, Wyrzykowski Mateusz
Influence of Aggregate Restraint on Volume Changes: Experiments and Modelling, CONCREEP 10 Mechanics and Physics of Creep, Shrinkage, and Durability of Concrete and Concrete Structures, Vienna, AT, 09-21 to 09-23 ♣ ○

Lura Pietro, Wyrzykowski Mateusz, Ghourchian Sadegh, Sinthupinyo Sakprayut, Tang Clarence
Impact of pore structure of lightweight aggregates on internal curing, 27th Biennial National Conference of the Concrete Institute of Australia in conjunction with the 69th RILEM Week, Melbourne, AU, 08-30 to 09-03 ♣

Lura Pietro, Wyrzykowski Mateusz, Vandamme Matthieu
Mini-symposium "MS03: Interplay between water, shrinkage, and creep", CONCREEP 10 Mechanics and Physics of Creep, Shrinkage, and Durability of Concrete and Concrete Structures, Vienna, AT, 09-21 to 09-23 ■

Schöler Axel, Lothenbach Barbara, Winnefeld Frank, Ben Haha Mohsen, Zajac Marek
Einfluss der chemischen Zusammensetzung der Glasphase von Zementersatzstoffen (SCMs) auf der Auflösungsverhalten und Reaktivität, 19. Internationale Baustofftagung (ibausil), Weimar, DE, 09-16 to 09-18 ♣

Shi Zhenguo, Geiker Mette R., De Weerdt Klaartje, Lothenbach Barbara, Kaufmann Josef, Kunther Wolfgang, Ferreiro Sergio, Herfort Duncan, Skibsted Jørgen
Durability of portland cement blends including calcined clay and limestone: Interactions with sulfate, chloride and carbonate ions, 1st International Conferenc on Calcined Clays for Sustainable Concrete, Lausanne, 06-23 to 06-25 ♣

Shi Zhenguo, Lothenbach Barbara, Geiker Mette Rica, Kaufmann Josef, Ferreiro Sergio, Skibsted Jørgen
Carbonation of Portland Cement Mortars Including Metakaolin and Limestone, 14th International Congress on the Chemistry of Cement, Beijing, CN, 10-13 to 10-16 ♣

Toutlemonde François, Kanstad Terje, Benboudjema Farid, Wyrzykowski Mateusz
From testing and modeling to guidelines and standards: The case of restrained volume changes in concrete structures at early ages, Towards the next generation of standards for service life of cement-based materials and structures – Mini-symposium of COST Action TU1404 CONCREEP 10 Mechanics and Physics of Creep, Shrinkage, and Dur, Vienna, AT, 09-21 to 11-23 ♣

Concrete / Construction Chemistry

Winnefeld Frank
Symposium Polymers meet Construction, Wissenschaftsforum der Gesellschaft deutscher Chemiker., Dresden, DE, 08-31 to 09-01 ■

Winnefeld Frank
Experimental Design and sample measurement., Precongress Course Microstructural Characterisation, Tsinghua University, Beijing, CN, 10-10 ♣ ○

Winnefeld Frank
Calorimetry, Precongress Course Microstructural Characterisation, Beijing, Tsinghua University, CN, 10-11 ♣

Winnefeld Frank, Alahrache Salaheddine, LothenbachBarbara, Accardo Grazia, Champenois Jean-Baptiste, Hesselbarth Frank
Dissolution of alumosilicate glasses in alkaline environment., 14th International Congress on the Chemistry of Cement, Beijing, CN, 10-13 to 10-16 ♣

Winnefeld Frank, Martin Lukas, Tschopp Elsa, Müller Christian, Lothenbach Barbara
Einfluss von Flugasche auf die Hydratation von Calciumsulfoaluminatzement, 19. Internationale Baustofftagung (ibausil), Weimar, DE, 09-16 to 09-18 ♣

Wyrzykowski Mateusz
1st Workshop of the COST Action TU1404 "Towards the next generation of standards for service life of cement-based materials and structures", Ljubljana, SI, 04-16 to 04-17 ■

Wyrzykowski Mateusz
2nd Workshop of the COST Action TU1404 "Towards the next generation of standards for service life of cement-based materials and structures", Vienna, AT, 09-19 to 09-20 ■

Wyrzykowski Mateusz
2nd Workshop of the COST Action TU1404 "Towards the next generation of standards for service life of cement-based materials and structures", Vienna, AT, 09-19 to 09-20

Wyrzykowski Mateusz
Mini-symposium "MS03: Interplay between water, shrinkage, and creep", CONCREEP 10 Mechanics and Physics of Creep, Shrinkage, and Durability of Concrete and Concrete Structures, Vienna, AT, 09-21 to 11-23

Wyrzykowski Mateusz, Francesco Pesavento, Gawin Dariusz, Lura Pietro
MODELING DEFORMATIONS OF HIGH-PERFORMANCE CONCRETE WITH INTERNAL CURING: FROM MESO-TO MACRO-LEVEL SIMULATIONS, 2nd Workshop of the COST Action TU1404 "Towards the next generation of standards for service life of cement-based materials and structures", Vienna, AT, 09-19 to 09-20 ♣

Wyrzykowski Mateusz, Lura Pietro
Release and distribution of water during internal curing with lightweight aggregates, American Concrete Institute Fall Convention, Session "Methods for Measurement and Mitigation of Early-Age Deformations", Denver, Co, US, 11-08 to 11-12 ♣ ○

Wyrzykowski Mateusz, Lura Pietro
RH Dependence upon Applied Load: Experimental Study on Water Redistribution in the Microstructure at Loading, CONCREEP 10 Mechanics and Physics of Creep, Shrinkage, and Durability of Concrete and Concrete Structures, Vienna, AT, 09-21 to 09-23 ♣

Yang Fei, Prade Friedrich, Griffa Michele, Jerjen Iwan, Di Bella Carmelo, Herzen Julia, Sarapata Adrian, Pfeiffer Franz, Kaufmann Rolf, Lura Pietro
Dark-field X-ray imaging of water transport in porous materials, International Symposium on BioMedical Applications of X-Ray Phase Contrast Imaging, Garmisch - Parten Kirchen, DE, 01-29 to 01-30 ◆

Mechanical Integrity of Energy Systems

Bergamini Andrea, Ermanni Paolo, Ruzzene Massimo, Erturk Alper
Integrated multi-field resonant metamaterials for extreme, low frequency damping, 2015 Annual Grantees', Contractors' Meeting for AFOSR Program on "Mechanics of Multifunctional Materials & Microsystems (M^4)", Dayton, OH, US, 06-02 to 06-05 ♣

Bergamini Andrea, Parra Edgar Flores, Belloni Edoardo, Delpero Tommaso, Paoolo Ermanni
Design optimization of generalized coupling coefficient for vibration attenuation in metamaterials with local piezoelectric shunts, 26th International Conference on Adaptive Structures and Technologies – ICAST, Kobe, JP, 10-14 to 10-16 ♣

Ehret Alexander, Mauri A., Staub S., Mazza Edoardo
Fracture characteristics of thin membranes in the light of material non-linearity and large sample variability, 9th European Solid Mechanics Conference, ESMC 2015, Madrid, Spain, July 6-10, 2015, Madrid, ES, 07-06 to 07-10 ♣ ○

Ehret Alexander, Mauri A, Perrini M, De Focatiis, Mazza Edoardo
A continuum model to rationalise the time-dependent kinematic and stress responses of human amnion, Euromech Colloquium 560, Congressi Stefano Franscini, Monte Verita, 02-08 to 02-11 ♣ ○

Holdsworth Stuart
Material Department Seminar, Imperial College, Evolution of microstructured and mechanical response due to cystic deformation at elevated temperatures, London, GB, 03-12 to 03-13 ♣ ○

Holdsworth Stuart
Influence of material characteristics on effective load ratios at elevated temperatures, Proc. Conf. on Structural Mechanics in Reactor Technology, Trans. SMIRT-23, Manchester, GB, 08-10 to 08-14 ♣

Mechanical Integrity of Energy Systems

Holdsworth Stuart
Ceramic material for nuclear waste disposal canisters, ENSI Technische Forum Sicherheit, Brugg, 11-05 ♣ ○

Holdsworth Stuart
Proc. Mat, SSE Workshop on Structural Materials for Future Energy Systems, Cross cutting issues relating to high temperature integrity, Petten, NL, 11-25 to 10-26 ♣ ○

Hosseini Ehsan
Advanced constitutive modelling for creep-fatigue assessment of high temperature components, Proc. Conf. on Structural Mechanics in Reactor Technology, Trans. SMIRT-23, Manchester, GB, 08-10 to 08-14 ♣

Hosseini Ehsan, Holdsworth Stuart, Mazza Edoardo
A phenomenological cree constitutive model for application to wide ranges of stress and temperatures, Proc. 13th Intern. Conf. on Creep and Fracture of Engineering Materials and Structures, CREEP-2015, Toulouse, FR, 05-31 to 06-04 ♣

Kalyanasundaram Valliappa
The effect of prior plasticity on the creep response of two chrome steels at elevated temperatures, Proc. 13th Intern. Conf. on Creep and Fracture of Engineering Materials and Structures, CREEP-2015, Toulouse, FR, 05-31 to 06-06 ♣

Vacchieri Erica, Holdsworth Stuart
Service-like TMF tests for the life assessment of a single crystal GT blade: cycle definition strategy, different coatings behaviour and field feedback validation, Proc. Parsons Turbine and Generator Conference, Loughborough,, GB, 08-10 to 08-14 ♣

Mechanical Systems Engineering

Affolter Christian, Terrasi Giovanni P.
Leichtbau mit Verbundwerkstoffen und Werkstoffverbunden im Bauwesen, Praxiszirkel Zukunft Leichtbau, Hightech Aargau, FH Brugg, Brugg, 09-08 ♣ ○

Aiyangar Ameet K.
Integration of dynamic imaging and computer-aided modelling: a new research paradigm for the biomechanics of the lumbar spine, Swiss Medtech Expo, Lucerne, 07-15 to 07-16 ♣ ○

Aiyangar Ameet K., Zheng Liying, Anderst William, Weisse Bernhard, Zhang Xudong
Level-Specific Differences in Migration of Instantaneous Centres of Rotation (ICR) of Lumbar Intervertebral Joints during Lifting, EuroSpine 2015, Copenhagen, DK, 09-02 to 09-04 ♣

Aiyangar Ameet K., Zheng Liying, Anderst William, Zhang Xudong
Percent contribution of intervertebral joints to lumbar rotational motion during a funkctional lifting task: an in vivo study, European Society of Biomechanics Conference, Prague, CZ, 07-05 to 07-08 ♣

Baensch (nee Ritschel) Franziska, Zauner M, Sause M.G.R., Brunner Andreas J., Niemz P.
Real-time studies on the damage evolution in wood combining acoustic emission and X-ray tomographic microscopy, EUROMECH Colloquium 556, Dresden, DE, 05-27 to 05-29 ♣

Bohse Jürgen, Tscheliesnig Peter, Brunner Andreas J.
Präsentation, DGZfP Fachausschuss Schallemissionsprüfverfahren (SEP), 19. Sitzung Fachausschuss Zustandsüberwachung, Berlin, DE, 11-10 ♣

Brunner Andreas J.
Schallemission an Faserverbundwerkstoffen – Mikroskopische Schädigung und Strukturintegrität, AT3 Seminar, Puchberg am Schneeberg, AT, 10-05 ♣

Brunner Andreas J.
Schallemission an Faserverbundwerkstoffen – Mikroskopische Schädigung und Strukturintegrität, 60. Sitzung des Fachausschusses Schallemissionsprüfung der DGZfP, Düsseldorf, DE, 11-25 ♣

Brunner Andreas J., Baensch Franziska, Sause Markus G. R., Zauner Michaela, Niemz Peter
Schallemissionsanalyse und Synchrotron-basierte Mikrotomografie an verklebten Miniatur-Zugprüfkörpern aus Fichtenholz, 20. Kolloquium Schallemission der Deutschen Gesellschaft für Zerstörungsfreie Prüfung (DGZfP), Garmisch-Partenkirchen, DE, 06-18 to 06-19 ♣

Brunner Andreas J., Jerjen Iwan, Plamondon Mathieu, Furrer Roman, Neuenschwander Jürg
Röntgen-Mikrotomografie, Ultraschall und Thermographie für die Charakterisierung von Defekten in GFK- und CFK- Verbundwerkstoffen und -Elementen, DACH-Jahrestagung 2015, Salzburg, AT, 05-11 to 05-13 ♣

Brunner Andreas J., Stelzer Steffen
Bruchmechanisches Ermüdungsverhalten von Faserverbundwerkstoffen mit polymerer Matrix: Hartmann-Schijve-Gleichung vs. Paris-Gleichung, 39. Sitzung Fachgruppe Strukturintegrität des SVMT, ZHAW Winterthur, Winterthur, 04-08 ♣

Brunner Andreas J., Vergeynst Lidewei L., Sause Markus G.R.
FEM-Simulation von Schallemissionssignalen aus Zugversuchen an Miniaturprüfkörpern aus Fichtenholz für vergleichende Signalklassifizierung mittels Mustererkennung, 20. Kolloquium Schallemission der Deutschen Gesellschaft für Zerstörungsfreie Prüfung (DGZfP), Garmisch-Partenkirchen, DE, 06-18 to 06-19 ♣

Brunner Andreas J., Vergeynst Lidewei L., Sause Markus G.R., Baensch Franziska, Niemz Peter
Mustererkennung zur Klassierung von Schallemissionssignalen aus Zugversuchen an Miniaturproben aus Fichtenholz: Vergleich für Wellenformen aus Finite Element Modellierung und Experiment, DACH-Jahrestagung 2015, Salzburg, AT, 05-11 to 05-13 ♣

Mechanical Systems Engineering

Haba Dietmar, Barbezat Michel, Brunner Andreas J.
Secondary Crack Formation as Fracture Mechanism in Nanocomposites of Epoxy and Fullerene-Like WS2, International Conference Nanomaterials: Applications and Properties: NAP-2015, Lemberg, UA, 09-16 to 09-23 ♣

Haba Dietmar, Barbezat Michel, Brunner Andreas J.
AFM Investigation of Epoxy Fracture Surfaces Indicating Nanoplasticity, International Conference Nanomaterials: Applications and Properties: NAP-2015, Lemberg, UA, 09-16 to 09-23 ♣

Jones Rhys, Mujtab Ahmad, Kinloch Tony J., Brunner Andreas J., Stelzer Steffen
Thoughts on accounting for the scatter seen in delamination growth, 16th Australian Aerospace Congress, Melbourne, AU, 02-23 to 02-24 ♣

Koller Roland
Systematische Beurteilung technischer Schadenfälle, DGM-Seminar, Ermatingen, 03-03 ♣ ○

Koller Roland
Systematische Beurteilung technischer Schadenfälle, DGM-Seminar, Ermatingen, 10-13 ♣ ○

Koller Roland E., Piskoty Gabor, Zgraggen Markus
Systematik der Schadensanalyse am Beispiel von Profildrahtbrüchen im Tragseil einer Seilbahnanlage, "Fortschritte in der Metallographie", Sonderband zur 49. Metallographie-Tagung, Werkstoffwoche 2015, Dresden, DE, 09-16 to 09-18 ♣ ○

Kusano Masahiro, Zolliker Peter, Valzania Lorenzo, Brunner Andreas J., Kubouchi Masatoshi, Shiwa Mitsuharu
Terahertz holography toward non-destructive evaluation of materials, Symposium of the Section of Non-destructive Evaluation for New Materials, Akita, JP, 11-04 to 11-05 ◆ ○

Lämmlein Tobias, Terrasi Giovanni P.
Bending Creep Behaviour of CFRP Prestressed Slender Concrete Elements, ACIC2015, Cambridge, GB, 09-09 to 09-11 ♣

Stelzer Steffen, Brunner Andreas J., Pinter Gerald
Mode I, Mode II and fixed ratio mixed I, II fatigue delamination of different carbon fiber reinforced composite laminates, 20th International Conference on Composite Materials, Copenhagen, DK, 07-19 to 07-24 ♣

Terrasi Giovanni P.
CFRP Prestressed Concrete Research at Empa, UK Royal Academy of Engineering Distinguished visiting Fellowship to Dr. Giovanni P. Terrasi, Edinburgh, Cambridge, London, Bath, GB, 06-01 to 08-24 ♣ ○

Terrasi Giovanni P., Gao Jing, Maluk Cristian H., Bisby Luke
Fire Experiments of Thin-Walled CFRP Pretensioned High Strenghts Concrete Slabs under Service Load, 20th International Conference on Composite Materials, Copenhagen, DK, 07-19 to 07-24 ♣

Terrasi Giovanni P., Lura Pietro
Reduction of fire spalling in high-performance concrete by means of superabsorbent polymers and polypropylene fibers, SMAR 2015 – Third Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structure, Antalya, TR, 09-07 to 09-09 ♣

Weisse Bernhard
Rechnerische und experimentelle Biomechanik, Medtech Day – Von der Idee zum Produkt, Industry Briefing, Empa Akademie., Dübendorf, 05-20 ♣ ○

Multiscale Studies in Building Physics

Allegrini Jonas, Bruno Lopez
The influence of angular configuration of buildings on the local wind climate., PHYSMOD 2015, Dübendorf, 09-06 to 09-08 ♣

Allegrini Jonas, Carmeliet Jan
Coupled CFD, radiation and building energy model for studying heat fluxes in an urban environment., 14th International Conference on Wind Engineering, Porto Alegre, BR, 06-21 to 06-26 ♣

Allegrini Jonas, Carmeliet Jan
Coupled CFD, radiation and building energy model for studying heat fluxes in an urban environment., 14th International Conference on Wind Engineering, Porto Alegre, BR, 06-21 to 06-26 ♣

Allegrini Jonas, Carmeliet Jan, Dorer Viktor, Derome Dominique
Microclimate Effects on Building Energy Use: a Methodological Approach., 14th Conference of the International Building Performance Simulation Association, Hyderabad, IN, 12-06 to 12-09 ♣

Allegrini Jonas, Carmeliet Jan, Dorer Viktor, Derome Dominique
Microclimate Effects on Building Energy Use: a Methodological Approach., 14th Conference of the International Building Performance Simulation Association, Hyderabad, IN, 12-06 to 12-09 ♣

Allegrini Jonas, Lopez Bruno
The influence of angular configuration of buildings on the local wind climate., PHYSMOD 2015, Dübendorf, 09-07 to 09-09 ♣

Carmeliet Jan
International conference in non-linear elasticity of mateirials, Brugges, BE, 07-05 to 07-10 ■

Carmeliet Jan, Derome Dominique, Allegrini Jonas
PhD School Ascona, Ascona, 01-26 to 01-30 ■

Carmeliet Jan, Kulasinski Karol, Derome Dominique, Guyer Robert,
Water sorption in wood microfibril: role of the crystalline amorphous interface, International Conference non-linear elasticity of materials, Bruges, BE, 07-05 to 07-10 ♣

Carmeliet Jan, Kulasinski Karol, Guyer Robert, Derome Dominique
Understanding sorption and swelling with MD and poromechanics, Engineeering Mechanics Institute Conference, Stanford, US, 06-16 to 06-19 ♣

Carmeliet Jan, Lee Jaebong, Guyer Robert, Derome Dominique
Spreading and absorption of impinging droplet into porous media, Droplets, Twente, NL, 10-06 to 10-08 ♣

Carmeliet Jan, Paterna Enrico, Mirzaei Parham A.
Experimental Investigation of Cavity Flow Under Building Integrated Photovoltaic Panels Using Thermography and Particle Image Velocimetry, Southern Africa Solar Energy Conference, Kruger Nationa Park, ZA, 05-11 to 05-13 ♣

Defraeye Thijs, Cronjé Paul, Opara Linus, Verboven Pieter, Nicolai Bart
Towards more holistic performance evaluation of ventilated packaging for the fresh produce cold chain, 12th International Congress on Engineering and Food, Quebec, CA, 06-14 to 06-18 ♣

Defraeye Thijs, Derome Dominique, Aregawi Wondwosen, Verboven Pieter, Nicolai Bart
Convective drying of fruit: a deeper look at the air-material interface, 12th International Congress on Engineering and Food, Quebec, CA, 06-14 to 06-18 ◆

Derome Dominique, Carmeliet Jan
LANL, Empa workshop, Dübendorf, 01-12 to 01-14 ■

Derome Dominique, Defraeye Thijs, Allegrini Jonas, Carmeliet Jan
Integrating trees and vegetation in urban microclimate simulations: a multiscale approach, Plant Biomechanics, Nagoya, JP, 11-30 to 12-02 ♣

Derome Dominique, Kubilay Aytaç, Lee Jaebong, Defraeye Thijs, Carmeliet Jan
An integrated computational approach for wind-driven rain on buildings in urban environments: Eulerian modelling, turbulent dispersion, lubrication, volume of fluid and transport in porous media, Coupled Problems, Venice, IT, 05-18 to 05-20 ♣

Derome Dominique, Kubilay Aytaç, Lee Jaebong, Radu Andrea, Defaeye Thijs, Carmeliet Jan
INTEGRATED COMPUTATIONAL MODELLING OF WIND-DRIVEN RAIN ON BUILDINGS IN URBAN ENVIRONMENTS, Building Simulation, Hyderabad, IN, 12-07 to 12-09 ♣

Derome Dominique, Kulasinski Karol, Carmeliet Jan
Adsorption and swelling of wood cell wall investigated with molecular dynamics simulations, Euromech 556 on Wood Mechanics, Dresden, DE, 05-27 to 05-29 ♣

Derome Dominique, Kulasinski Karol, Carmeliet Jan
Understanding swelling and moisture-induced shape memory of wood, ICEME, Houston, US, 11-15 to 11-18 ♣

Derome Dominique, Kulasinski Karol, Guyer Robert, Carmeliet Jan
Role of moisture on structure and physical properties of amorphous biopolymers, Engineeering Mechanics Institute Conference, Stanford, US, 06-16 to 06-19 ♣

Derome Dominique, Patera Alessandra, Parada Marcelo, Lal Sreeyuth, Carmeliet Jan
Studying the interactions of water and porous materials with X-ray tomography, International conference of tomography of materials and structure, Quebec, CA, 06-29 to 07-03 ♣

Desmarais Guylaine, Carl Stephan, Kaestner Anders, Derome Dominique, Carmeliet Jan
Sorption in porous materials – insights on heat of sorption, 7th International Conference on Porous Media & Annual Meeting, Padua, IT, 05-18 to 05-21 ♣

Desmarais Guylaine, Carl Stephan, Kaestner Anders, Derome Dominique, Carmeliet Jan
Sorption in porous materials – insights on heat of sorption, 7th International Conference on Porous Media & Annual Meeting, Padua, IT, 05-18 to 05-21 ♣

Dorostkar Omid, Marone Chris, Guyer Robert, Johnson Paul, Carmeliet Jan
"Numerical modeling of stick-slip in wet granular media with application to earthquake triggering ", International conference for nonlinear elasticity. ICNEM 2015, Brugges, BE, 07-05 to 07-10 ♣

Kubilay Aytaç, Derome Dominique, Blocken Bert, Carmeliet Jan
Wind-driven rain in urban areas: field experiments and CFD simulations with turbulent dispersion of raindrops, 14th International Conference on Wind Engineering, Porto Alegre, BR, 06-21 to 06-26 ♣

Kubilay Aytaç, Neophytou Marina, Matsentides S, Loizou M, Carmeliet Jan
So how much can airflow in our street canyons really remove pollutants?, Physmod 2015, Dübendorf, 09-07 to 09-09 ♣

Kubilay Aytaç, Paterna Enrico, Derome Dominique, Blocken Bert, Carmeliet Jan
Flow around a regular array of cubes: wind-tunnel measurements of wind velocity and field measurements of wind-driven rain, PHYSMOD 2015, Dübendorf, 09-07 to 09-09 ♣

Kubilay Aytaç, Paterna Enrico, Moonen Peter, Carmeliet Jan
Detection of coherent flow structures around simplified urban geometries, Physmod 2015, Dübendorf, 09-07 to 09-09 ♣

Kulasinski Karol, Guyer Robert, Derome Dominique, Carmeliet Jan
Water diffusion in hydrophilic nanoporous structures a stop & go process, 7th International Conference on Porous Media & Annual Meeting, Padua, IT, 05-18 to 05-21 ♣

Multiscale Studies in Building Physics

Kulasinski Karol, Guyer Robert, Derome Dominique, Carmeliet Jan
- Nonlinear diffusion in hydrophilic nanopores: a stop & go process, International Conference non-linear elasticity of materials, Bruges, BE, 07-05 to 07-10 ☘

Kulasinski Karol, Guyer Robert, Derome Dominique, Carmeliet Jan
Water processes in S2 layer: revealing the role of the crystalline-amorphous interface, Plant Biomechanics, Nagoya, JP, 11-30 to 12-02 ☘

Lal Sreeyuth, Poulikakos Lily, Vontobel Peter, Partl Manfred, Derome Dominique and Carmeliet Jan.
Investigation of water uptake, drainage and convective drying in porous asphalt with neutron radiography, 6th International Conference on Porous Media and Annual Meeting of the International Society for Porous Media, Milwaukee, US, 2014-05-27 to 2014-05-30 ☘

Lal Sreeyuth, Poulikakos Lily, Partl Manfred, Vontobel Peter, Derome Dominique and Carmeliet Jan.
Investigation of water transport and drying in porous asphalt with neutron radiography, 10th World Conference on Neutron Radiography, Grindelwald, 2014-10-05 to 2014-10-10 ☘

Lal Sreeyuth, Lucci Francesco, Defraeye Thijs, Poulikakos Lily, Partl Manfred, Derome Dominique, Carmeliet Jan
Convective drying of a macroporous medium: a comparison of original porous asphalt geometry with randomized Kelvin cells, 68th Annual Meeting of the APS Division of Fluid Dynamics, Boston, US, 11-22 to 11-24 ☘

Lee Jaebong, Derome Dominique, Guyer Robert, Carmeliet Jan
Maximum spreading of impinging droplet on partial wetting surfaces: surface energy versus viscous dissipation energy, Droplets, Twente, NL, 10-06 to 10-08 ◆

Lemrich Laure, Johnson Paul, Carmeliet Jan
Investigation of nonlinearity and sound wave propagation in granular media with DEM simulations, International conference for nonlinear elasticity. ICNEM 2015, Brugges, BE, 07-05 to 07-10 ☘

Parada Marcelo, Derome Dominique, Rossi Rene, Carmeliet Jan
Imaging Wicking Without Colorants, Fibers for Progress Conference, Liberec, CZ, 2014-05-21 to 05-23 ◆

Parada Marcelo, Derome Dominique, Rossi Rene, Carmeliet Jan
Imaging wicking of water in single-layer textiles with neutron radiography, Interpore, Padova, IT, 05-18 to 05-21 ☘

Parada Marcelo, Derome Dominique, Rossi Rene, Carmeliet Jan
Phase-contrast synchrotron X-ray tomography of wicking in yarns, 2nd International Conference of Tomography of Materials and Structures (ICTMS), Quebec City, CA, 06-29 to 07-03 ◆

Son Soyoun, Dominique Derome, Qinjun Kang, Jan Carmeliet
Numerical study of fluid flow in porous asphalt with pseudopotential single component multiphase lattice Boltzmann model, 7th International Conference on Porous Media & Annual Meeting, Padova, IT, 05-18 to 05-21 ◆

Road Engineering /Sealing Components

Bueno Moises, Andrés Josep, Arraigada Martin, Partl Manfred
Damage detection and artificial healing of asphalt concrete after trafficking with a load simulator, 3rd ISAP International Symposium on Asphalt Pavements and Environment, Sun City, ZA, 08-16 ☘ ○

dos Santos Salomé, Poulikakos Lily, Partl Manfred
Effect of fatty acids and triglycerides on bitumen and on mixtures of asphaltenes and wax, Petersen Asphalt Research Conference (PARC), Laramie, Wyoming, US, 07-12 to 07-16 ☘

Hailesilassie Biruk, Jerjen Iwan, Griffa Michele, Partl Manfred
A Closer Scientific Look at Foamed Bitumen, 3rd ISAP International Symposium on Asphalt Pavements and Environment, EMPA Akademie, Dübendorf, 08-16 ☘ ○

Hugener Martin
EMISSIONS OF WARM ASPHALT DURING CONSTRUCTION, Workshop N.2 Warm Recycling of Asphalt Mixtures – 8th Inernational RILEM Symposium SIB 2015 Testing and Characterization of Sustainable & Innovative Bituminous Materials, Ancona, IT, 10-06 to 10-09 ☘ ○

Jeoffroy Etienne, Dos Santos Salomé, Studart André R., Partl Manfred N.,
Crack healing of bituminous materials, International Self-healing Materials Conference, Durham (NC), US, 06-22 to 06-24 ☘

Partl Manfred
Session: Opening and Key Note Lecture, EATA, 6th Conference of European Asphalt Technology Association, Stockholm, SE, 06-15 to 06-17

Partl Manfred
EATA, 6th Conference of European Asphalt Technology Association, Stockholm, SE, 06-15 to 06-17 ■

Partl Manfred
EATA, 6th Conference of European Asphalt Technology Association, Stockholm, SE, 06-15 to 06-17 ■

Partl Manfred
ISAP Technical Committee APE "Asphalt Pavements and Environment", 3rd ISAP International Symposium on Asphalt Pavements and Environment, Sun City, ZA, 08-16 ☘ ○

Partl Manfred
3rd ISAP International Symposium on Asphalt Pavements and Environment, Sun City, ZA, 08-16 ■

Road Engineering /Sealing Components

Partl Manfred
8th International RILEM SIB Symposium, Ancona, IT, 10-07 to 10-09 ■

Raab Christiane
6th ICONBMP, Session III: Bituminous mixtures (Hot, warm, and cold), Specifications, Thessaloniki, GR, 06-10 to 06-12 ○

Raab Christiane, Partl Manfred
Effects of Tack Coat on Interlayer Shear Bond, Annual Meeting Transportation Research Board 2015, Washington DC, US, 01-11 to 07-16 ♣ ○

Raab Christiane, Partl Manfred
Effects of Tack Coat on Interlayer Shear Bond, Annual Meeting Transportation Research Board 2015, Washington DC, US, 01-11 to 07-16 ♣ ○

Raab Christiane, Partl Manfred
In situ service capability of tack coats, 6th INTERNATIONAL CONFERENCE BITUMINOUS MIXTURES AND PAVEMENTS, Thessaloniki, GR, 06-10 to 06-12 ♣ ○

Structural Engineering

Correia L., Sena-Cruz J., Michels Julien, Franca P., Teixeira T.
Comportamento de lajes de betão armado reforçadas com laminados de CFRP pré-esforçados, 3° Seminário sobre o projeto de reforço de estruturas de betão com FRP's, Guimarães, PT, 09-18 ♣

Burawska Izabela, Mohammadi Amir Hossein, Widmann Robert, Motavalli Masoud
Local reinforcement of timber beams using D-shape CFRP strips, SMAR 2015 – Third Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures, Antalya, TR, 09-07 to 09-09 ♣

Czaderski Christoph
Training Course: Reinforcing and strengthening of structures with FRP reinforcement Lectures on Bond, Flexural Strengthening, Testing and Lab Competition, fib, endure, Cost, Ghent University, BE, 01-27 to 01-29 ♣ ○

Czaderski Christoph, endure Project (Marie Curie Initial Training Network)
Special Session: Presentation competition for early stage researchers, SMAR 2015 – Third Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures, Antalya, TR, 09-08 ■

Czaderski Christoph, Gallego Juan
fib T5.1 Meeting, endure – European Network for Durable Reinforcement and Rehabilitation Solutions, fib T5.1 FRP (Fibre Reinforced Polymer) Reinforcement for Concrete Structures, Empa Akademie, 06-29 to 07-29 ■ ○

Czaderski Christoph, Gallego Juan
MC ITN endure Mid-term meeting, endure, Empa Akademie, 06-30 to 07-30 ■

Czaderski Christoph, Gallego Juan, Huber Veronika
Composite materials for construction – Ongoing research and current practical applications Including ESR Conference and Poster Competition, endure-PROJECT SEMINAR, Empa Akademie, 07-01 ■ ○

Czaderski Christoph, Gallego Juan, Huber Veronika
Training School on Experimental Mechanics, Laboratory Competition, Endure, Empa Akademie, 07-02 ■

Czaderski Christoph, Weber Benedikt, Shahverdi Moslem, Motavalli Masoud, Leinenbach Christian, Lee W.J., Brönnimann Rolf, Michels Julien
Keynote Lecture: Iron-based shape memory alloys (Fe-SMA) – a new material for prestressing concrete structures, KN 22, SMAR 2015 – Third Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures, Antalya, TR, 09-07 to 09-09 ♣ ○

Feltrin Glauco
EVACES'15, 6th Int. Conference on Experimental vibration analysis for civil engineering structures, Empa Akademie, 10-19 to 10-21 ■ ○

Feltrin Glauco, Popovic Nemanja
Monitoring of strain cycles on a railway bridge with a wireless sensor network, IABSE Conference, Structural Engineering: Providing Solutions to Global Challenges, Geneva, 09-23 to 09-25 ♣ ○

Fink Gerhard, Klippel Michael, Frangi Andrea
Extension of Data Sets for a more Reliable Prediction of the Fire Resistance of Finger Joint Connections, 12th International Conference on Applications of Statistics and Probability in Civil Engineering, ICASP12, Vancouver, CA, 07-12 to 07-15 ♣

Fink Gerhard, Köhler, J.
Discussion on the further Development of the European timber strutural design code, INTER 2015, Sibenik, HR, 08-24 to 08-27 ♣

Frangi A., Theiler M., Steiger René
Design of timber members subjected to axial compression or combined axial compression and bending based on 2nd order theory, Paper 48-2-2, 2nd Meeting of INTER (Int. Network of Timber Engineering), Sibenik, HR, 08-24 to 08-27 ♣

Gallego Juan Manuel, Czaderski Christoph, Michels Julien
Towards modelling the long-term behavior of prestressed CFRP strips subjected to elevated temperatures, paper 293, SMAR 2015 – Third Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures, Antalya, TR, 09-07 to 09-09 ♣

Gallego Juan Manuel, Czaderski Christoph, Michels Julien, Zile Edmunds
Influence of temperature on the CFRP, epoxy, concrete bond, Paper 20, SMAR 2015 – Third Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures, Antalya, TR, 09-07 to 09-09 ♣ ○

Gallego Juan Manuel, Zanuy C., Albajar L., Muñoz I.
Evolution of deflections of haunched beams under cyclic loads, Fib Symposium: Concrete Innovation and Design, Copenhagen, DK, 05-18 to 05-20 ♣

Ghafoori Elyas, Motavalli Masoud, Nussbaumer Alain, Zhao Xiao-Ling, Fontana Mario
Design criterion for fatigue strengthening of steel girders using bonded CFRP laminates, SMAR 2015 – Third Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures, Antalya, TR, 09-07 to 09-09 ♣ ○

Gustafsson P.-J., Jockwer Robert, Serrano E., Steiger René
A strongest link model applied to fracture propagating along grain, Paper 48-19-2, 2nd Meeting of INTER (Int. Network of Timber Engineering), Sibenik, HR, 08-24 to 08-27 ♣

Harmanci Yunus Emre, Spiridonakos Minas, Chatzi Eleni, Kübler Wolfram
Monitoring of a Novel Structure using Fiber Bragg Grating Strain Sensors, SMAR 2015 – Third Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures, Paper 148, Antalya, TR, 09-07 to 09-09 ♣

Harte A., Jockwer Robert, Stepinac M., Descamps T., Rajcic V., Dietsch P
Reinforcement of timber structures – the route to standardisation, 3rd International Conference on Structural Health Assessment of Timber Structures, Wroclaw, PL, 09-09 to 09-11 ♣

Jockwer Robert, Serrano Erik, Gustafsson Per-Johan, Steiger René
Impact of Growth Characteristics on the Fracture Perpendicular to the Grain of Timber, 12th International Conference on Applications of Statistics and Probability in Civil Engineering, ICASP12, Vancouver, CA, 07-12 to 07-15 ♣

Jockwer Robert, Steiger René, Frangi Andrea
Evaluation of the reliability of design approaches for connections perpendicular to the grain, 2nd Meeting of INTER (Int. Network of Timber Engineering), Paper 48-7-4, Sibenik, HR, 08-24 to 08-27 ♣

Kohler Jochen, Fink Gerhard
Aspects of Code Based Design of Timber Structures, 12th International Conference on Applications of Statistics and Probability in Civil Engineering, ICASP12, Vancouver, CA, 07-12 to 07-15 ♣

Kohler Jochen, Fink Gerhard
Aspects of code based design of timber structures, Paper 48-2-2, 2nd Meeting of INTER (Int. Network of Timber Engineering), Sibenik, HR, 08-24 to 08-27 ♣

Kotynia Renata, Staskiewicz Michal, Michels Julien, Czaderski Christoph, Motavalli Masoud
Pionieering strengthening of bridge girders with pretensioned CFRP laminates in Poland, paper 247, SMAR 2015 – Third Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures, Antalya, TR, 09-07 to 09-09 ♣

Martins Joao, Fénart Marc-Antoine, Feltrin Glauco, Dumont André-Gilles, Beyer Katrin
Defining a Braking Probability to Estimate Extreme Braking Forces and Road Bridges, 12th International Conference on Applications of Statistics and Probability in Civil Engineering, ICASP12, Vancouver, CA, 07-12 to 07-15 ♣

Michels Julien, Sena-Cruz José, Czaderski Christoph, Motavalli Masoud
Thermo-mechanical properties of commercially available epoxy resins for structural applications, Paper 195, SMAR 2015 – Third Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures, Antalya, TR, 09-07 to 09-09 ♣

Mohammadi Amir Hossein, Sadeghi Marzaleh Abdollah, Widmann Robert, Motavalli Masoud
Failure evaluation of timber beams locally reinforced by CFRP strips using 3D digital image correlation system, paper 243, SMAR 2015 – Third Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures, Antalya, TR, 09-07 to 09-09 ♣

Motavalli Masoud
SMAR 2015, Third Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Antalya, TR, 09-07 to 09-09 ■

Popovic Nemanja, Feltrin Glauco
Event driven monitoring with WSN, Conference on Wireless Sensor Network for Civil Engineering and Infrastructure Monitoring, Cambrige, GB, 06-29 to 06-30 ♣

Shahverdi Moslem, Czaderski Christoph, Motavalli Masoud
Strengthening of RC beams with iron based shape memory alloy strip, paper 200, SMAR 2015 – Third Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures, Antalya, TR, 09-07 to 06-09 ♣

Shahverdi Moslem, Czaderski Christoph, Motavalli Masoud
Iron based shape memory alloys for prestressing and strengthening of RC beams, SMAR2015, Antalya, TR, 09-07 to 09-09 ♣ ○

Shahverdi Moslem, Czaderski Christoph, Weber Benedikt, Motavalli Masoud, Brönnimann Rolf, Lee W.J., Leinenbach Christoph
Iron-based Shape Memory Alloys for Structural Applications, BIT's 1st Annual World Congress and EXPO of Smart Materials 2015, Busan, KR, 03-23 to 03-25 ♣

Weber Benedikt
Dynamic Properties of Footbridges: Influence of Asphalt Pavement and Support Conditions, Key note lecture Matec Web of Conferences 24, 01004 (2015), doi: 10.1051, matecconf, 20152401004, EVACES'15, 6th International Conference on Experimental Vibration Analysis for Civil Engineering Structures, Empa Akademie, 10-19 to 10-21 ♣ ○

Structural Engineering

Weber Benedikt
Formgedächtnisstahl – ein neuer Werkstoff für das Bauwesen, 9. Materialographie-Tagung Stahl – ein traditioneller Werkstoff mit Zukunft, Windisch, 11-17 ♣ ○

Weber Benedikt, Feltrin Glauco
Rätselhaftes Schwingungsverhalten von Fussgängerbrücken, 18. Symposium Bauwerksdynamik und Erschütterungsmessungen Ziegler Consultants, Dübendorf, 05-29 ♣ ○

Zemp René, de a Llera J.C., Saldias H., Weber Felix
Development of world's first long-stroke MR damper for a tuned mass building control, The XI Congreso Chileno de Sismologia e Ingenieria Sismica ACHISINA 2015, Santiago de Chile, CL, 03-18 to 03-20 ♣

Urban Energy Systems

Bollinger Andrew, R. Evins
Facilitating model reuse and integration in the urban energy simulation platform, International Conference On Computational Science ICCS 2015, Reykjavik, IS, 06-01 to 06-03 ♣

Bollinger Andrew, R. Evins
HUES: A Holistic Urban Energy Simulation platform for effective model Integration, CISBAT conference, Lausanne, 09-09 to 09-11 ♣

Evins Ralph, K. Orehounig, V. Dorer
Integrated urban energy modelling approaches to support the Swiss Energiewende 2050, CISBAT conference, Lausanne, 09-09 to 09-11 ♣

Hohmann Marc, C. Waibel, R. Evins, V. Dorer, J. Carmeliet
Optimisation of urban energy systems: case study of the Empa Areal, CISBAT conference, Lausanne, 09-09 to 09-11 ♣

Hsieh Shanshan, K. Orehounig
Evaluation of renewable energy sources integration potential in a new development area, EFS 2015 – Energy for Sustainability Conference, Coimbra, PT, 05-14 to 05-15 ♣

Hsieh Shanshan, R. Weber, V. Dorer, K. Orehounig
Integration of thermal energy storage at building and neighbourhood scale, Building Simulation 2015 conference, Hyderabad, IN, 12-07 to 12-09 ♣

Marquant Julien, A. Omu, K. Orehounig, R. Evins, J. Carmeliet
Application of spatial-temporal clustering to facilitate energy system modelling, Building Simulation 2015 conference, Hyderabad, IN, 12-07 to 12-09 ♣

Marquant Julien, A. Omu, K. Orehounig, R. Evins, J. Carmeliet
Application of spatial-temporal clustering to facilitate energy system modelling, Building Simulation 2015 conference, Hyderabad, IN, 12-07 to 12-09 ♣

Marquant Julien, R. Evins, J. Carmeliet
Reducing computational time with a rolling-horizon approach applied to a MILP energy hub model, International Conference On Computational Science ICCS 2015, Reykjavik, IS, 06-01 to 06-03 ♣

Marquant Julien, R. Evins, J. Carmeliet
Density-based Clustering and Aggregation Method to Facilitate Multi-Scale Urban Energy Systems Modelling, International Land Use Symposium, Dresden, DE, 11-11 to 11-13 ♣

Mavromatidis Georgios, K. Orehounig, J. Carmeliet
Climate change impact on the design of urban energy Systems, CISBAT conference, Lausanne, 09-09 to 09-11 ♣

Mavromatidis Georgios, K. Orehounig, J. Carmeliet
Evaluation of solar energy integration potential in a neighbourhood, Building Simulation 2015 conference, Hyderabad, IN, 12-07 to 12-09 ♣

Miglani Somil, K. Orehounig, J. Carmeliet
A method for generating hourly solar radiation on building rooftops accounting for cloud cover variability, CISBAT conference, Lausanne, 09-09 to 09-11 ♣

Morvaj Boran, R. Evins, J. Carmeliet
The impact of low energy buildings on the optimal design of distributed energy system and Networks, Building Simulation 2015 conference, Hyderabad, IN, 12-07 to 12-09 ♣

Omu Akomeno, S. Hsieh, K. Orehounig, J. Carmeliet
Energy hub modelling for the design of solar thermal district heating networks with short-term and seasonal storage, CISBAT conference, Lausanne, 09-09 to 09-11 ♣

Orehounig Kristina, G. Mavromatidis, D. Derome, J. Carmeliet
Photovoltaic panels as a main component of energy sustainable communities: comparative energy analysis of a village under Swiss and South African climatic loads, SASEC2015 Third Southern African Solar Energy Conference, Kruger National Park, ZA, 05-11 to 05-13 ♣

Waibel Christoph, R. Evins
Optimising urban morphology using different variable representations, Building Simulation 2015 conference, Hyderabad, IN, 12-07 to 12-09 ♣

Waibel Christoph, R. Evins, A. Ramallo-Gonzalez, J. Carmeliet
Reducing the computing time of multi-objective building optimisation using self-adaptive sequential model assessment, Building Simulation 2015 conference, Hyderabad, IN, 12-07 to 12-09 ♣

Materials meet Life

Krug H
Sicherheitsaspekte bei Aerogelen – Alles Nano oder was?, Technology Briefing "Aerogele", Dübendorf, 02-24 ♣

Krug H
Nanomedicine: need for a new (nano)pharmacology and (nano)toxicology, ChinaNanomedicine 2015, Hangzhou, CN, 04-06 to 04-09 ♣ ○

Krug H
Nanosicherheitsforschung – sind wir auf dem richtigen Weg?, Ressortkreis "Nano" der Bundesministerien, Berlin, DE, 05-29 ♣ ○

Krug H
Nanosicherheitsforschung – sind wir auf dem richtigen Weg? Überlegungen auf der Basis einer umfassenden Literaturstudie, Nanosicherheitstagung NanoValid, Salzburg, AT, 06-01 to 06-02 ♣ ○

Krug H
Nanosafety Research – are We on the Right Track? – Considerations on the Basis of a Comprehensive Literature Study, AMI Seminar, Fribourg, 06-16 ♣ ○

Krug H
The Dana 2.0 Knowledge Base Nanomaterials – Communicating Current Nanosafety Research Based on Evaluated Literature Data, ICMAT2015, Singapore, SG, 06-28 to 07-03 ♣ ○

Krug H
Recent advances in nanoparticles and their impact on human health – an IUPAC project, ICMAT2015, Singapore, SG, 06-28 to 07-03 ◆

Krug H
The Status of Nanotoxicological Research – What we learned from the past decade, Q-Nano Conference, Heraklion, GR, 07-15 to 07-17 ♣ ○

Krug H
inblicke in die Nanosicherheitsforschung – Wie können die Informationen nachhaltig für Nanoprodukte genutzt werden?, Seminarreihe Umweltschutz und Sicherheit im industriellen Umgang mit Nanomaterialien – SUSi, München, DE, 09-23 to 09-24 ♣ ○

Krug H
Toxikologie und Weg der Sicherheitsforschung, 8. NanoTrust-Tagung 2015 zum Thema "Nano-Sicherheitsforschung in Österreich, Wien, AT, 10-14 ♣ ○

Krug H
Innovationen mit Nanomaterialien sicher gestalten – Lessons learned aus der Nanotoxikologieforschung, „KMU-Innovativ – Innovationen mit Neuen Werkstoffen und Nanomaterialien erfolgreich und sicher umsetzen", Düsseldorf, DE, 11-19 ♣ ○

Advanced Fibers

Amberg Martin, Hanselmann Barbara, Guex Geraldine, Hegemann Dirk
Plasma Polymerization and Metallization for MedTech, MedTech Day, Empa Dübendorf, 05-20 ♣ ○

Amberg Martin, Hegemann Dirk, Blanchard Noemi, Drabik Martin
Textile Elektroden, Workshop Forschungsinitiative Subitex, Empa St. Gallen, 05-11 ♣ ○

Amberg Martin, Rupper Patrick, Storchenegger Raphael, Weder Markus, Schmid Michel, Hegemann Dirk
Control of silver release by thin plasma deposited adlayers for health monitoring (Presentation and Poster), 7th International Conference on Innovations in Thin Film Processing and Characterization ITFPC – Société Française du Vide, Nancy, FR, 11-16 to 11-20 ♣ ○

Blanchard Noémi, Hegemann Dirk, Heuberger Manfred
Plasma polymerized vertical chemical gradients and their influence on protein adsorption, Interdisciplinary Surface Science Conference, Birmingham, GB, 03-30 to 07-02 ♣

Blanchard Noémi, Heuberger Manfred, Hegemann Dirk
Densification and hydration of HMDSO plasma polymer films, 20th biennal european conference on chemical vapor deposition, Sempach, 07-13 to 07-17 ♣

Blanchard Noémi, Hegemann, Dirk, Heuberger, Manfred
Protein Adsorption Affected by Plasma- Deposited Vertical Chemical Gradient Structures, Bioplasmas and Plasmas with Liquids, Bertinoro, IT, 09-13 to 09-17 ♣ ○

Gaan Sabyascahi
Trends in Development of Flame Retardant Fibers via Phosphorus Additives, 6th INTERNATIONAL TECHNICAL TEXTILES CONGRESS, COST MP1105 Workshop on "Flame retardancy applications and related regulations for protective textiles,, Izmir, TR, 10-14 to 10-16 ♣

Gaan Sabyascahi, Fage Julien, Liang Shuyu
Evaluating Activity of Flame Retardants in Gas Phase, 26th Annual Conference on Recent Advances in Flame Retardancy of Polymeric Materials, BCC, Stamford, CT, US, 05-18 to 05-20 ♣ ○

Gaan Sabyascahi, Liang Shuyu
Novel Method for Study of Thermal Decomposition of Organophosphorus Compounds, FRPM, Berlin, DE, 06-22 to 06-25 ♣

Gaan Sabyascahi, Salmeia Kahlifah
Recent Development on Phosphorus Chemistry and Flame Retardant Applications, 1. 7th Asia-Europe Symposium on Processing and Properties of Reinforced Polymers (AESP7), Advances in Flame Retardancy of Polymeric Materials, Madrid, ES, 02-04 to 02-06 ♣ ○

Gaan Sabyascahi, Salmeia Khalifah
Tailored Phosphorus Additives, Clariant Innovation Fair, Frankfurt, DE, 10-08 ♣ ○

Gradzik Boguslawa, Fernández-Ronco María P., Hufenus Rudolf, El Fray Miroslawa
Influence of thermoplastic elastomer based on dimerized fatty acid on selected properties of P3HB derived from bacteria, EPF2015, Dresden, DE, 06-21 to 06-26 ◆

Gradzik Boguslawa, Fernández-Ronco María P., Hufenus Rudolf, El Fray Miroslawa
Graft polymerization of maleic anhydride on new P3HB, PBS-DLA polymeric blend during melt extrusion process, EUROMAT 2015, Warsaw, PL, 09-20 to 09-24 ◆

Hegemann Dirk
Challenges for the Coating of Polymers with Functional Plasma Polymer Films, Future in Plasma Science, Greifswald, DE, 07-12 to 07-15 ♣ ○

Hegemann Dirk
7th Int. Conference on Innovations in Thin Film Processing and Characterization (ITFPC), Nancy, FR, 11-16 to 11-20

Hegemann Dirk
Plasma Coating on Fibers for Smart Textiles, SmartTex-Innovationsforum, Weimar, DE, 12-01 ♣ ○

Hegemann Dirk, Blanchard, Noémi, Vandenbossche, Marianne, Lorusso, Emanuela, Favia, Pietro
Vertical Chemical Gradients in Plasma Polymers, 20th Int. Colloquium on Plasma Processes (CIP), Saint Etienne, FR, 06-01 to 06-05 ♣

Hegemann Dirk, Blanchard, Noémi, Drabik, Martin, Amberg, Martin
Stability of Plasma Coatings in Aqueous Environments, Plasmatechnologie PT17, Kiel, DE, 02-23 to 02-26 ◆

Hegemann Dirk, Blanchard, Noémi, Heuberger, Manfred
Plasma-Polymerized Vertical Chemical Gradients and their Influence on Protein Adsorption, E-MRS, Spring Meeting, Lille, FR, 05-11 to 05-15 ♣

Hegemann Dirk, Michlicek, Mirek, Schütz, Urs, Lohmann, Lohmann, Vandenbossche, Marianne, Zajickova, Lenka, Drabik, Martin
Growth of Functional Plasma Polymers Influenced by Reactor Geometry in Capacitively Coupled Discharges, 22nd Int. Symposium on Plasma Chemistry (ISPC), Antwerp, BE, 07-05 to 07-10 ♣

Heuberger Manfred
Playing with molecular interactions in polymer pores, Seminar, Lecture, University of Illinois, Urbana-Champaign, US, 11-02 to 11-03 ♣ ○

Heuberger Manfred, Gottardo Laura, Dressler Marco, Hufenus Rudolf
Can a Fluid Oscillator modulate Fluid-Core Fiber Structure?, The Fiber Society 2015 Fall Conference, Raleigh, NC, US, 10-28 to 10-30 ♣

Hufenus Rudolf
Plenary Lectures, The Fiber Society Spring Conference, Shanghai, CN, 05-24 to 05-27 ○

Hufenus Rudolf
Textiles and Fibers, Polymer Processing Society Conference, Graz, AT, 09-21 to 09-25 ○

Hufenus Rudolf
Special Session on Textiles and Fibers, Polymer Processing Society Conference, Graz, AT, 09-21 to 09-25 ■ ○

Hufenus Rudolf
Multicomponent fibers for medical applications, esvb Satellite Symposium on Medical Textiles, Mulhouse, FR, 10-15 ♣ ○

Hufenus Rudolf
Synthetische Fasern – Innovation durch Materialkombination, Praxisforum "Vom Polymer zur Innovativen Faser", Nürnberg, DE, 12-07 ♣ ○

Hufenus Rudolf, Leal Andrés, Naeimirad Mohammadreza, Gottardo Laura, Heuberger Manfred
Plenary lecture "Liquid core melt-spun fibers", The Fiber Society Fall Conference, Raleigh, NC, US, 10-28 to 10-30 ♣ ○

Hufenus Rudolf, Naeimirad Mohammadreza, Leal Andrés
Keynote "Melt-spun liquid-filled polymeric fibers", Polymer Processing Society Conference, Graz, AT, 09-21 to 09-25 ♣ ○

Hufenus Rudolf, Reifler Felix A., Fernández-Ronco María P.
Molecular orientation in melt-spun P3HB fibers, 2015 International Conference on Advanced Fibers and Polymer Materials, Songjiang Campus, Donghua University, Shanghai, CN, 05-24 to 05-27 ♣

Hufenus Rudolf, Reifler Felix, Fernández-Ronco María
Molecular orientation in melt-spun P3HB fibers, The Fiber Society Spring Conference, Shanghai, CN, 05-24 to 05-27 ♣

Hufenus Rudolf, Reifler Felix, Fernández-Ronco María
Melt-spinning highly oriented poly(3-hydroxybutyrate) (P3HB) fibers with long term stability, Aachen Dresden International Textile Conference, Aachen, DE, 11-26 to 11-27 ♣

Advanced Fibers

Leal Andrés
Advanced Fibers, Meeting of the Swiss Competence Center for Energy Research (SCCER), Capacity Area A3: minimization of vehicular energy demand (aerodynamics, lightweighting)., ETH Zürich, 02-02 ♣ ○

Leal Andrés
Special Session on Textiles and Fibers, PPS 2015 Polymer Processing Society Conference, Graz, AT, 09-21 to 09-25

Leal Andrés, Best James P., Amacher Anneliese, Reifler Felix A., Hufenus Rudolf,
Mechanical properties and structure of melt-spun amorphous Filaments, PPS 2015 Polymer Processing Society Conference, Graz, AT, 09-21 to 09-25 ♣

Leal Andrés, Veeramachaneni Joshi, Hufenus Rudolf,
OVERJACKETING EXTRUSION OF UHMWPE MULTI-FILAMENT YARN FOR THE DEVELOPMENT OF ULTRA-LIGHT, FULLY-THERMOPLASTIC COMPOSITES, 20th International Conference on Composite Materials, Copenhagen, DK, 07-19 to 07-24 ♣

Liang Shuyu, Patrick Hemberger, Joëlle Levalois- Grützmacher, Hansjörg Grützmacher, Sabyasachi Gaan
Elucidating the thermal decomposition of dimethyl methyl phosphonate by VUV photoionization: Pathways to the PO radical, a key species in flame retardant mechanism, 12th European Workshop on Phosphorus Chemistry, Kassel, DE, 03-16 to 03-18 ◆

Liang Shuyu, Patrick Hemberger, Joëlle Levalois- Grützmacher, Hansjörg Grützmacher, Sabyasachi Gaan
Elucidating the thermal decomposition of dimethyl methyl phosphonate by VUV photoionization: Pathways to the PO radical, a key species in flame retardant mechanism, 12th European Workshop on Phosphorus Chemistry, Kassel, 03-16 to 03-18 ◆

Liang Shuyu, Patrick Hemberger, Joëlle Levalois- Grützmacher, Hansjörg Grützmacher, Sabyasachi Gaan
Identification of Gas-Phase-Active Reactive Intermediates in Thermal Decomposition of Organophosphorus Compounds, SCS Fall Meeting 2015, EPFL-Laussane, 09-04 ◆

Liang Shuyu, Patrick Hemberger, Joëlle Levalois- Grützmacher, Hansjörg Grützmacher, Sabyasachi Gaan
Identification of Gas-Phase-Active Reactive Intermediates in Thermal Decomposition of Organophosphorus Compounds, SCS Fall Meeting 2015, Lausanne, 09-04 ◆

Liang Shuyu, Patrick Hemberger, Joëlle Levalois- Grützmacher, Hansjörg Grützmacher, Sabyasachi Gaan
Study of thermolysis mechanism of organophosphorus compounds under inert, reactive conditions, Empa PhD Students' Symposium, Akademie of Empa Dübendorf, 12-07 ♣

Reifler Felix, Hufenus Rudolf
Effects of drawing and stress-annealing on the molecular orientation of melt-spun poly(3-hydroxybutyrate) fibers, Dornbirn Man-Made Fibers Congress 2015, Dornbirn, AT, 09-16 to 09-18 ♣ ○

Reifler Felix, Hufenus Rudolf
Influence of Melt-spinning Parameters, Drawing and Stress Annealing on the Molecular Orientation in Poly(3-hydroxybutyrate) Fibers Investigated by Wide-angle X-ray Diffraction, Polymer Processing Society Conference 2015, Graz, AT, 09-21 to 09-25 ♣

Rupper Patrick, Vandenbossche Marianne, Hegemann Dirk
Oxygen-Functional Vertical Gradient Structures in Plasma Polymer Films, International Conference on Innovations in Thin Film Processing and Characterization (ITFPC), Nancy, FR, 11-17 to 11-20 ◆

Salmeia Khalifah, Gaan Sabyasachi
Lates Innovations for Flame Retardant Coatings for Wood, European Coatings Conference, Düsseldorf, DE, 10-19 to 10-20 ♣

Vandenbossche Marianne, Maria Isabel Butron Garcia, Urs Schütz, Martin Amberg, Dirk Hegemann
Amino-functionalized surfaces regarding initial growth conditions in plasma polymerization, ISPC 22 – 22nd Internation Symposium on Plasma Chemistry, Antwerp, BE, 07-05 to 07-10 ◆

Vandenbossche Marianne, Maria Isabel Butron Garcia, Urs Schütz, Martin Amberg, Dirk Hegemann
Amino-functionalized surfaces regarding initial growth conditions in plasma polymerization, Future in Plasma Science, INP Greifswald, DE, 07-12 to 07-15 ◆

Vandenbossche Marianne, Maude Jimenez, Mathilde Casetta, Barbara Hanselmann, Michel Traisnel, Dirk Hegemann
Functionalization of geotextiles for heavy metal ions remediation, Dornbirn MFC – Man-made Fibers Congress, Dornbirn, AT, 09-16 to 09-18 ♣ ○

Vandenbossche Marianne, Urs Schütz, Martin Amberg, Patrick Rupper, Dirk Hegemann
Stable and functionalized nanofilms for SPR analyses, ITFPC 15 – 7th International Conference on Innovations in Thin Film Processing and Characterization, Nancy, FR, 11-17 to 11-20 ♣

Biointerfaces

Bruinink Arie, Elbs-Glatz Yvonne
Alter increased magnesium levels the cell functionality in vitro?, 7th Biometal Symposium on biodegradable metals for biomedical applications, Carovigno, IT, 08-23 to 08-29 ◆

Bruinink Arie, Malheiro Vera, Elbs-Glatz Yvonne, Obarzanek-Fojt Magdalena, ManiuraKatharina
The use of thermo-responsive surfaces to harvest polarized and resting state macrophages., 7th Joint meeting of the european tissue repair Society & the wound healing society (ETRS-WHS 2015), Kopenhagen, DK, 10-21 to 10-23 ◆

Buhmann Matthias, Ren Qun, Maniura Katharina
Immobilized antimicrobial peptides against catheter- and stent-related urinary tract infections, COST Action TD1305 – iPROMEDAI summer School "Antimicrobial Biomedical Materials, Amsterdam, Groningen, NL, 09-09 to 09-16 ♣

Chan SCW, Frauchiger DA., Benneker LM., Gantenbein B.
Silk membrane-fleece in combination with genipin-enhanced fibrin hydrogel for annulus fibrosus repair, SSB+RM2015 – 21st Swiss Conference on Biomaterials and Regenerative Medicine, Lausanne, 06-09 to 06-10 ◆

Chan SCW, Gutt Beatrice, Zuber Flavia, Ren Qun, Maniura-Weber Katharina
Evaluation of the antimicrobial and cytotoxic activity of metal ions in different eukaryotic cell culture media, eCM XVI: Implant Infection (Orthopaedic & Musculoskeletal Trauma related), Davos, 06-24 to 06-26 ◆

Chan Samantha CW, Malheiro Vera, Guimond Stefanie, Rottmar Markus, Maniura-Weber Katharina
Predictive in-vitro models for the study of tissue-implant interaction, Medical Cluster: Meet the Expert: Implants 2015, Interlaken, 05-07 to 05-08 ◆

Chan SCW, Sakai D., Benneker L., Gantenbein B.
Hyperosmotic condition reduces nucleus pulposus growth in monolayer culture and 3D alginate beads culture, Global Spine Congress 2015 (GSC2015), Buenos Aires, AR, 05-20 to 05-23 ◆

Chan SCW, Sakai D., Benneker L., Gantenbein B.
Culture of nucleus pulposus progenitor cells in hyperosmosis, ISSLS Annual Meeting, San Francisco, US, 06-08 to 06-12 ◆

Chan SCW, Tekari A., Frauchiger DA., Wuertz K., Sakai D., Benneker LM., Grad S., Gantenbein B.
Nucleus pulposus contain progenitor-like cells able to differentiate into osteogenic and adipogenic lineages in vitro, SSB+RM2015 – 21st Swiss Conference on Biomaterials and Regenerative Medicine, Lausanne, 06-09 to 06-10 ◆

Chan SCW, Tekari A., Wuertz K., Sakai D., Benneker LM., Grad S., Gantenbein B.
Tie2+ cells of the bovine nucleus pulposus are progenitor cells capable of differentiating into osteocytes and adipocytes, Global Spine Congress 2015 (GSC2015), Buenos Aires, AR, 05-20 to 05-23 ◆

Faccio Greta
Integration of genetically engineered algal light antenna proteins on semiconducting metal oxidae substrates for enhanced sensor signal generation and for light harvesting in photoelectrochemical cell, Cost, TD1102, Brno, CZ, 03-06 ♣ ○

Faccio Greta
Different approaches to surface functionalization with biomolecules, Adolphe Merckle Institute, University Fribourg, Fribourg, 11-10 ♣ ○

Faccio Greta
Beyond adsorption: alternative approaches to surface functionalization with biomolecules, HealthTech lunch series, HESSO, Sion, 11-17 ♣ ○

Faccio Greta, Braun A., Bora D.K., Schrantz K., Rozhkova E.
Light-harvesting Proteins and biofilms on iron oxide photoelectrodes, 228th ECS Meeting, Phoenix AZ, US, 10-11 to 10-15 ♣

Faccio Greta, Ihssen Julian, Schrantz K., Thöny-Meyer Linda, Braun Arthur
Charge Transfer in bio-hybrid phtoelectrodes combining light harvesting Proteins and hematite for solar water Splitting cells, LS2 Meeting, Zürich, 01-29 to 01-31 ◆

Faccio Greta, Schrantz Krisztina, Thöny-Meyer Linda, Braun Arthur, Ihssen Julian
Enginering of Proteins to develop biomimetic hematite-based biohybrid materials, 29th Symposium of the Protein Society, Barcelona, ES, 07-22 to 07-25 ♣

Fischer Fabian, Sugnaux, M., Wu, S., Ren, Q., Brugger, J., Fischer, F.
Microbial fuel cell with anode structure mimicking cicada wing, SGM Annual Meeting and Assembly, Lugano, 05-28 to 05-29 ◆

Ghazaryan Gagik
Biaxial orientation of poly(L-lactic acid), Refine, Tulln, AT, 01-21 to 01-23 ♣

Ghazaryan Gagik
Effect of orientation on mechanical properties in poly(L-lactic acid) films, Refine, Tallinn, EE, 09-04 to 09-07 ♣

Guimond Stefanie, Rottmar Markus, Tobler Ursina, Berner Simon, Maniura-Weber Katharina
Enhanced blood coagulation on ceramic versus titanium implant surfaces, SSB + RM annual meeting, Lausanne, 06-09 to 06-10 ◆

Gutt Beatrice, Chan SCW, Zuber Flavia, Ren Qun, Maniura-Weber Katharina
Evaluation of the antimicrobial and cytotoxic activity of metal Ions in different eukaryotic cell culture media, ECM-Tagung, Davos, 06-23 to 06-26 ◆

Gutt Beatrice, Zuber Flavia, Maniura-Weber Katharina, Ren Qun
Evaluation of the antibacterial activity of metal Ions in different eukaryotic cell culture media, How Dead is Dead, Dübendorf, 05-21 to 05-22 ◆

Gutt Beatrice, Zuber Flavia, Ren Qun
NANOCLEAN – Endodontic cleaning and disinfection solution, Department Info Day, St. Gallen, 04-22to ◆

Huber Rebecca, Maniura-Weber Katharina, Spencer Nicholas D.
Protein-adsorption and blood-interaction studies on nanotopography gradients, 27th European conference on Biomaterials, Krakau, PL, 08-30 to 09-03 ♣

Ihssen Julian
Enhanced production of glycoproteins in Escherichia coli by structure-guided Engineering of oligosaccharyltransferase PglB, 8. Recombiant Protein Production Konferenz der European Federation of Biotechnology, La Palma, ES, 04-22 to 04-26 ♣

Jankowska Dagmara, Faccio Greta, Schulenburg Cindy, Bannwarth Markus, Boesel Luciano, Richter Michael
Wound pad as a biosensor to Monitor wound healing, Nano-Tera Annual Meeting, Bern, 05-04 ◆

Jankowska Dagmara, Faccio Greta, Schulenburg Cindy, Bannwarth Markus, Boesel Luciano, Richter Michael
Sensing of biomarkers in wound healing processes, 4th International Symposium on Sensor Science, Basel, 07-13 to 07-16 ◆

Jankowska Dagmara, Faccio Greta, Schulenburg Cindy, Bannwarth Markus, Boesel Luciano, Richter Michael
Sensing of biomarkers in wound healing processes, 4th International Symposium on Sensor Science, Basel, 07-13 to 07-16 ♣

Malheiro Vera, Bruinink Arie, Maniura-Weber Katharina
Wound-implant Interface microenvironment: the role of Fibrin in macrophage polarization, 5th International Symposium Interface Biology of Implants, Rostock, DE, 05-06 to 05-08 ◆

Malheiro Vera, Bruinink Arie, Maniura Katharina
Macrophage-laden 3D fibrin gels: effect of fibrinogen concentration on inflammation, 27th European conference on Biomaterials, Krakow, PL, 08-30 to 09-03 ♣

Maniura Katharina
Biointerface Research at Empa, Institute presentation at Ludwig Boltzmann Instituts für experimentelle und klinische Traumatologie, Wien, AT, 12-15 ♣

Pauly Anja, Di Lena Fabio
Statistical incorporation of peptides into the Backbone chain of synthetic polymers: Towards novel bio-hybrid materials, European Polymer Conference, Dresden, DE, 06-21 to 06-26 ♣

Pauly Anja, Schöller Karin, Baumann Lukas, Scherer Lukas J., Boesel Luciano F.
Toward light-responsive coatings for transdermal delivery Systems utilizing surface initiated ARGET-ATRP, European Polymer Conference, Dresden, DE, 06-21 to 06-26 ♣

Ren Qun
Discussion on standardization of antimicrobial tests, COST iPROMEDAI Meeting, Patras, GR, 05-26 to 05-28 ♣

Ren Qun, Stiefel Philipp, Gutt Beatrice, Maniura-Weber Katharina, Ren Qun
Biofilm activities at Empa, Lab presentation Prof. Burkhard Ludewig, KSSG, St. Gallen, 05-11 ♣

Ren Qun, Stiefel Philipp, Schmidt-Emrich Sabrina, Maniura-Weber Sabrina, Ren Qun
Critical aspects of using bacterial cell viability assays with the fluorophores SYTO9 and propidium iodide, Eurobiofilms 2015 conference, Brno, CZ, 06-24 to 06-26 ◆

Rosenberg Urs, Stiefel Philipp, Mauerhofer Stefan, Altenried Stefanie, Schneider Jana, Ren Qun
Entwicklung von Reinigungsmitteln zur Entfernung von Biofilmen, Ulmer Symposium Krankenhausinfektionen, Ulm, DE, 04-29 ♣

Rottmar Markus, Maniura Katharina
Funktionelle Biokompatibilität: Interaktion von Zellen und (Implantat) Materialien, Fachtagung Funktionale Implantate und Implantatoberflächen – Vom Werkstoff zur klinischen Anwendung, Bremen, DE, 12-02 to 12-03 ♣ ○

Rottmar Markus, Maniura Katharina, Ren Qun, Salentinig Stefan
Biointerfaces – Research focus antibacterial surfaces, NTN innovative surfases annual meeting, Biel, 10-22 ♣

Salentinig Stefan
Application of SAXS to biological samples, Workshop Anton Paar: "Structure Analysis using SAXS and WAXS: Studies in ambient and non-ambient conditions", Dübendorf, 09-23 ♣ ○

Salentinig Stefan
Selective deuteration for molecular insights into multi-component biointerfaces, EAWAG-Empa Analytics Workshop 2015, Dübendorf, 10-22 ♣ ○

Schmidt-Emrich Sabrina, Stiefel Philipp, Maniura-Weber Katharina, Ren Qun
Bacterial cell viability assays with SYTO9 and propidium Iodide – critical aspects of using fluorophores, Department Info Day, St. Gallen, 04-22 ◆

Schmidt-Emrich Sabrina, Stiefel Philipp, Maniura-Weber Katharina, Ren Qun
Bacterial cell viability assays with SYTO9 and propidium iodide – critical aspects of using fluorophores, How Dead is Dead Conference IV, Dübendorf, 05-21 to 05-22 ◆

Biointerfaces

Stiefel Philipp, Altenried Stefanie, Mauerhofer Stefan, Rosenberg Urs, Maniura-Weber Katharina, Ren Qun
Biofilm removal from and effective cleaning of medical devices by means of innovative enzymatic detergents, Department Info Day, St. Gallen, 04-22 ◆

Stiefel Philipp, Altenried Stefanie, Mauerhofer Stefan, Rosenberg Urs, Maniura-Weber Katharina, Ren Qun
Evaluation of biofilm quantification methods in 96-well microtiter plates for anti-biofilm product development, How Dead is Dead Conference IV, Dübendorf, 05-21 to 05-22 ◆

Stiefel Philipp, Altenried Stefanie, Mauerhofer Stefan, Rosenberg Urs, Maniura-Weber Katharina, Ren Qun
Investigation of different biofilm quantification methods in 96-well plates applied for the development of an enzymatic cleaner, Eurobiofilms 2015 conference, Brno, CZ, 06-24 to 06-26 ◆

Weidenbacher Lukas, Rottmar Markus, Maniura Katharina, Puigmarti Josep, Rossi René, Fortunato Giuseppino
Evaluation of non-degradable membranes for medical applications, Empa PhD Symposium, Dübendorf, 12-07 ◆

Weishaupt Ramon, Schubert Mark, Siqueira Giberto, Tingaut Philipe, Maniura-Weber Katharina, Zimmermann Tanja, Thöny-Meyer Linda, Faccio Greta, Ihssen Julian
TEMPO-oxidized nanofibrillated Cellulose as a high density carrier for bioactive molecules, COST Action FP1105: Functional Wood and Cellulose-based materials, Dübendorf, 08-31 to 09-01 ◆

Weishaupt Ramon, Schubert Mark, Siqueira Giberto, Tingaut Philippe, Maniura-Weber Katharina, Zimmermann Tanja, Thöny-Meyer Linda, Faccio Greta,
TEMPO-oxidized nanofibrillated Cellulose as a high density carrier for bioactive molecules, PhD Symposium, Dübendorf, 12-06 ♣

Yazgan Gökce
Nanostructured electrospun fibers for drug release and tissue engineering, Nanofibers, Applications and related Technologies – NART, Liberec, CZ, 08-31 to 09-02 ♣

Yazgan Gökce, Tyagi Vasundhara, Maniura Katharina, Puigmarti Josep, Rossi René, Fortunato Giuseppino
Nanostructured electrospun fibers for tissue engineering, Empa PhD Symposium, Dübendorf, 12-07 ♣

Zuber Flavia, Schneider Jana, Wu Songmei, Brugger Jürgen, Ren Qun
Bacterial cells on nano-structured surfaces, Department Info Day, St. Gallen, 04-22 ◆

Center for X-ray Analytics

Dommann Alex, Antonia Neels
Spannungsanalysen und Versagen von MEMS-Strukturen, Die 49. Metallographie-Tagung, Dresden, DE, 09-16 to 09-18 ○

Hailesilassie Biruk, Jerjen Iwan, Griffa Michele, Partl Manfred
A closer scientific look to foamed bitumen, 3rd ISAP International Symposium on Asphalt Pavements and Environment, Sun City, ZA, 08-16 ♣

Neels Antonia
tbd, European Crystallographic Meeting ECM29, Rovinj, HR, 08-23 to 08-28 ◆

Neels Antonia
tbd, 7th International Conference on Innovations in Thin Film Processing and Characterization, Nancy, FR, 11-16 to 11-20 ♣ ○

Neels Antonia, Rolf Kaufmann, Alex Dommann
Advanced X-ray Analytics for Composite Materials, Thermoprop, Berlin, DE, 09-16 to 09-18 ♣

Yang Fei, Prade Friedrich, Griffa Michele, Jerjen Iwan, Di Bella Carmelo, Herzen Julia, Sarapata Adrian, Pfeiffer Franz, Kaufmann Rolf, Lura Pietro
Dark-field X-ray imaging of water transport in porous materials, International Symposium on BioMedical Applications of X-Ray Phase Contrast Imaging, Garmisch - Parten Kirchen, DE, 01-29 to 01-30 ◆

Particles-Biology Interactions

Aengenheister Leonie
Studying translocation and effects of nanoparticles at the placental barrier, 6- Months-Meeting NanoUmwelt, Frankfurt, DE, 05-21 ♣

Aengenheister Leonie
Studying translocation and effects of nanoparticles at the placental barrier, 8th European Placental Perfusion Workshop, Bern, 06-23 to 06-24 ♣

Aengenheister Leonie, Ellinger, B., Fedutik, Y., Gutenberg, L.M., Boariu, A., Wick, P., Buerki-Thurnherr, T.
Studying translocation and effects of silver nanoparticles at the placental barrier, NanoCare Clustermeeting, Frankfurt, DE, 05-19 ◆

Aengenheister Leonie, Muoth, C., Manser, P., Wick, P., Buerki-Thurnherr, T.
Establishment of a perfused transwell model to study nanoparticles – placenta interactions throughout pregnancy, Departementsinfo, St.Gallen, 04-22 ◆

Bürki-Thurnherr Tina
Exploiting novel technologies to develop advanced placenta models for nanomaterial testing, Sanofi Pasteur Education days 2015 – Organotypic Cell Models, Marcy l'Etoile, FR, 02-05 to 02-06 ♣ ○

Particles-Biology Interactions

Buerki-Thurnherr TIna, Carina Muoth, Leonie Aengenheister, Melanie Kucki, Pius Manser, Liliane Diener, Wolfram Jochum, Peter Wick
Nanoparticles at the human placental barrier: Advancing in vitro placenta models using co-cultures and mimicking the 3D and, or dynamic microenvironment, 16th Annual Congress of EUSAAT, Linz, AT, 09-20 to 09-23 ◆

Buerki-Thurnherr Tina, Stefanie Grafmueller, Pius Manser, Carina Muoth, Wolfram Jochum, Pierre-Andre Diener, Ursula von Mandach, Peter Wick
Studying nanoparticle translocation and behavior at the human placental barrier using ex vivo and advanced in vitro model Systems, SENN2015- International Congress on Safety of Engineered nanoparticles and nanotechnologies, Helsinki, FI, 04-12 to 04-15 ♣

Herrmann Inge
Theranostic Magnetic Blood Purification, EMBL Personalized Health – Stanford Conference, Heidelberg, DE, 11-16 to 11-19 ◆

Herrmann Inge
Particle-enabled Approaches for Diagnostics and Therapy: the Era of Nanoparticles and Microvesicles, Invited Seminar at the University of Furtwangen, Furtwangen, DE, 12-08 ♣ ○

Herrmann Inge Katrin
New Approaches for Sepsis Diagnosis and Therapy: The Era of Microvesicles and Nanoparticles, Swiss Nanoconvention, Neuchatel, 05-27 to 05-28 ◆

Herrmann Inge Katrin
Diagnostic Assays based on Phagocyte-derived Microvesicles, Gordon Research Conference (GRC) and Gordon Research Seminar (GRS) Phagocytes, Waterville Valley, NH, US, 05-31 to 06-05 ◆

Herrmann Inge Katrin
New Approaches for Sepsis Diagnosis and Therapy: The Era of Microvesicles and Nanoparticles, 8th European Summit for Clinical Nanomedicine and Targeted Medicine (CLINAM), Basel, 06-28 to 07-01 ♣ ○

Herrmann Inge Katrin
New Approaches for Sepsis Diagnosis and Therapy: The Era of Microvesicles and Nanoparticles, Gordon Research Conference (GRC) Staphylococcal Diseases, Barga (Lucca), IT, 07-12 to 07-17 ♣

Herrmann Inge Katrin
Magnetic Blood Purification, Seminar at University College London (UCL), London, GB, 09-24 ♣

Herrmann Inge Katrin
Particle-enabled Approaches for Diagnostics and Therapy, Seminar at the Particle Technology Lab (PTL), ETH Zurich, Zürich, 09-30 ♣ ○

Herrmann Inge Katrin
Nanomedizin auf dem Weg in die Klinik, UNI meets Pharma+Nano 2015, Konstanz, DE, 10-13 ♣

Herrmann Inge Katrin
New Approaches for Sepsis Diagnosis and Therapy: The Era of Microvesicles and Nanoparticles, Materials Research Society (MRS) Fall Meeting 2015, Boston, MA, US, 11-29 to 12-04 ♣

Hirsch Cordula
Nanosafety and medicine: Nano meets Bio, MedTech Day, Dübendorf, 05-20 ♣ ○

Hirsch Cordula, Bachmatiuk, A., Mendes, R.G., Ruemmeli, M.H., Wick, P.
Few-layer graphene shells and nonmagnetic encapsulates: proof of principle for a comprehensive evaluation platform to assess nanoparticle toxicity in vitro, SENN: International Congress on Safety of Engineered Nanoparticles and Nanotechnologies, Helsinki, FI, 04-12 to 04-15 ◆

Particles-Biology Interactions

Kucki Melanie
Chair of Plenary Session, Graphene Week 2015, University of Manchester, Manchester, GB, 06-22 to 06-26

Kucki Melanie
Exposure of the intestinal barrier as secondary exposure organ to graphene-related materials in vitro, Clinam, Eighth Conference and Exhibition 2015, Basel, 06-28 to 07-01 ♣ ○

Kucki Melanie, Harald Krug, Peter Wick
Investigating the biological effects of graphene-based materials on human epithelial cells, SAG Meeting, Bern, 2014-11-10 ♣ ○

Kucki Melanie, L. Diener, P. Rupper, A.Wichser, A.Schwarz, A.Kraegeloh, C. Sarrieu, E. Flahaut, P.Wick
Graphene-related materials @ human intestinal barrier in vitro, Graphene Week 2015, University of Manchester, GB, 06-22 to 06-26 ♣ ○

Kucki Melanie, Liliane Diener, Patrick Rupper, Adrian Wichser, Anika Schwarz, Annette Kraegeloh, Cyril Sarrieu, Emmanuel Flahaut, Peter Wick
Exposure of the intestinal barrier as secondary exposure organ to graphene-related materials in vitro, Clinam, Eighth Conference and Exhibition 2015, Basel, 06-28 to 07-01 ◆

Kucki Melanie, Wick, Peter
Graphene-based materials@Barrier, Graphene Flagship WP2 Meeting III, St.Gallen, 2014-11-20 to 2014-11-21 ♣

Kucki Melanie, Wick, Peter
Graphene-related materials@Biological Barriers, Graphene Flagship WP2 Meeting IV, Stockholm, SE, 06-01 to 06-02 ♣

Particles-Biology Interactions

May Sarah, Cordula Hirsch, Maria Moreno-Villanueva, Peter Wick
Assessing the suitability of the FADU assay for genotoxicity testing of engineered nanomaterials, NanoVision 2015, Fraunhofer-Institutszentrum Stuttgart, DE, 01-22 to 01-23 ◆

May Sarah, Cordula Hirsch, Maria Moreno-Villanueva, Peter Wick
Assessing the suitability of the FADU assay for genotoxicity testing of engineered nanomaterials, NanoVision 2015, Fraunhofer-Institutszentrum Stuttgart, DE, 01-22 to 01-23 ◆

Mukherjee Sourav P., Melanie Kucki, Neus Lozano Valdes, Ester Vazquez Fernandez-Pacheco, Kostas Kostarelos, Peter Wick, Bengt Fadeel
Detection of Endotoxin Contamination of Graphene-Based Materials using the Conventional LAL assay vs. Primary H, SENN 2015, Helsinki, FI, 04-12 to 04-15 ◆

Muoth Carina, Diener, L., Buerki, T., Wick, P.
Development and use of a 3D placental co-culture microtissue model for nanoparticle effects and uptake studies, 5th Zing Bionanomaterials Conference, Carvoeiro, Algarve, PT, 04-25 to 04-28 ◆

Roesslein Matthias
Cause and Effect?, Cause and Effect Workshop on Assays, St.Gallen, 06-17 to 06-18 ■

Roesslein Matthias
Der Weg zu zuverlaessigen Resultaten in der Nanotoxikologie, Fachtagung Bayerisches Landesam fuer Umwelt, Umwelt- und Gesundheitsaspekte der Nanotechnologie, Augsburg, DE, 10-27 ♣ ○

Wick Peter
Nanoparticles Transport across teh human placenta- a pharmacological and toxicological perspetive, Forschungsseminar "Experimentelle Medizin", Kantonsspital St.Gallen, 03-18 ♣ ○

Wick Peter
Nanoparticles Transport across the human placenta, Annual NFP64 Meeting, Fribourg, 03-26 to 03-27 ♣ ○

Wick Peter
Nanomaterial Translocation across human placenta barrier, 5th Zing Bionanomaterials Conference, Carvoeiro, PT, 04-25 to 04-28 ♣ ○

Wick Peter
Nanosafety: an interdisciplinary challenge, EUFEPS, Genf, 06-15 to 06-17 ♣ ○

Wick Peter
Nanoparticles Transport across the human placenta, 8th Clinam Conference, Basel, 06-29 to 07-01 ♣ ○

Wick Peter
Nanosafety and its challenges!, EUSAAT European Congress on Alternatives to Animal Testing, Linz, AT, 09-20 to 09-23 ♣ ○

Wick Peter
Dataquality: reliable and robust methodology for HTS in Nanomedicine, 2nd Annual Meeting SafeNano, Grenoble, FR, 12-07 to 12-09 ♣ ○

Protection and Physiology

Abrishamkar Afshin
Gelation Process within a Microfluidic Device, International Nanoscience Student CONference (INASCON), Basel, 08-11 to 08-14 ◆

Agnes Psikuta, Weibel Manuela, Burke Rick, Hepokoski Mark, Schwenn Tony, Annaheim Simon, Rossi René M.
A systematic approach to the development and validation of adaptive manikins, 15th International Conference on Environmental Ergonomics (ICEE XV), Portsmouth, GB, 06-28 to 07-03 ♣

Annaheim Simon, Saiani Fabio, Grütter Marc, Fontana Piero, Camenzind Martin, Rossi René M.
Internal and external heat load with fire fighter protective clothing: data from the lab and the field, 15th International Conference on Environmental Ergonomics (ICEE XV), Portsmouth, GB, 06-28 to 07-03 ♣

Boesel Luciano F.
Brainstorming Session “Affordable Materials and Technology for Personal Health, Public Health”, 1st Materials and Technologies for Health Monitoring Workshop, Bangkok, TH, 11-03 ○

Boesel Luciano. F., Keynote lecture!
Smart textiles as materials for continuous health monitoring, 1st Materials and Technologies for Health Monitoring Workshop, Bangkok, TH, 11-03 ♣ ○

Boesel Luciano F., Richter Michael
Wearable and non-invasive textile biosensors for the continuous monitoring of health Parameters, 4th Biosensing Technology, Lisbon, PT, 05-10 to 05-13 ♣

Boesel Luciano, F., Rossi René
THERMO- AND PHOTORESPONSIVE POLYMERS FOR DRUG DELIVERY AND TEXTILE APPLICATIONS, 41st Congress on Science and Technology of Thailand, Nakhon Ratchasima, TH, 11-06 to 11-08 ♣ ○

Bogerd Cornelis P., Aerts Jean-Marie, Annaheim Simon, Bröde Peter, Bruyne Guido, Flouris Andreas D., Kuklane Kalev, Mayor Tiago, Rossi René M.
Thermal effects of headgear: state-of-the-art and way forward, 15th International Conference on Environmental Ergonomics (ICEE XV), Portsmouth, GB, 06-28 to 07-03 ♣

Bröde Peter, Aerts, J. M., De Bruyne, G., S. Mayor Tiago, Kuklane Kalev, Fiala D.
Head sweat rate prediction for thermal comfort assessment of bicycle helmets, XVI International conference on environmental ergonomics (ICEE'15), Portsmouth, GB, 06-28 to 07-03 ◆

Bröde Peter, Aerts, J. M., De Bruyne, G., S. Mayor Tiago, Kuklane Kalev, Fiala D.
Assessment of Thermal Discomfort when Wearing Bicycle Helmets – A Modelling Framework, International Cycling Safety Conference (ICSC2015), Hanover, DE, 09-15 to 09-16 ◆

Fortunato Giuseppino
Development of hierarchically structured nanofibers for controlled release of active agents, Applications of Electrospinning in Composites, Nanofabrication, Food, Food Packaging, Pharma and Controlled Release, Novi Sad, CS, 03-25 to 03-27 ♣ ○

Fortunato Giuseppino
Development of hierarchically structured nanofibers for controlled release of active agents, HINTCCN: Biomedical, health and bio-related application of hybrid systems, Barcelona, ES, 06-08 to 06-09 ♣ ○

Haag Alexander
Laserschweissen von Textilien und ultradünnen Membranen und deren Eigenschaften, Workshop Lasertechnologie Einsatz in der Materialverarbeitung, Hanau, DE, 02-26 ♣

Haag Alexander, Gubler Ulrich
Textile laser welding and lamination, Techtextil Symposium, Frankfurt am Main, DE, 06-06 ♣

Jankowska D., Faccio Greta, Schulenburg C., Bannwarth Markus, Boesel Luciano F., Richter Michael
Sensing of biomarkers in wound healing processes, 4th International Symposium on Sensor Science, Basel, 07-13 to 07-15 ◆

Lin Li-Yen, Annaheim Simon, Psikuta Agnes, Wang Faming, Wang Li-Chu, Jou Robert, Chiu Sheng-Fu, Rossi René M.
Evaluation of body-mapping shirts design for activities in warm environments, 15th International Conference on Environmental Ergonomics (ICEE XV), Portsmouth, GB, 06-28 to 07-03 ♣

Martinez Natividad, Psikuta Agnes, Annaheim Simon, Corberán José, Rossi René M.
Validation of a physiological model for controlling a thermal head simulator, 15th International Conference on Environmental Ergonomics (ICEE XV), Portsmouth, GB, 06-28 to 07-03 ♣

Mayor Tiago
Research as a career – the role of different skills, 1st Doctoral Congress in Engineering – Symposium on Chemical and Biological Engineering, Porto, PT, 07-11 to 07-12 ♣

Mayor Tiago, Oliveira Dinis, Rossi René M., Annaheim Simon
Numerical simulation of the transport phenomena in tilted clothing microclimates, 15th International Conference on Environmental Ergonomics (ICEE XV), Portsmouth, GB, 06-28 to 07-03 ♣

Mert Emel, Bönisch Sonja, Psikuta Agnes, Bueno Marie-Ange, Rossi René
Determination of the air gap thickness underneath the garment for lower body using 3D body scanning, 6th International conference and exhibition on 3D body scanning technologies, Lugano, 10-27 to 10-28 ♣

Meyer Veronika
Is weighted linear egression a Need? Monte Carlo Simulation with Excel gives the answer, HPLC 2015, Hight Performance Liquid Phase Separations & Related Techniques, Geneva, 06-21 to 06-25 ◆

Morrissey Matthew
Empa's recent activities in clothing testing and thermal manikins, 11th Joint International Conference CLOTECH'2015, Lodz, PL, 06-17 to 06-19 ♣

Puigmarti Josep
Microfluidic technologies for materials processing and controlled self-assembly environments, Seminar at Chemistry Department of University Bern, Bern, 02-13to ♣ ○

Puigmarti Josep
Microfluidic technologies for materials processing and controlled self-assembly environments, Seminar at University, Angers, FR, 05-05 to ♣ ○

Puigmarti Josep
Microfluidic technologies and self-assembly processes, MNT-Mastercourse, St. Gallen, 10-16to ♣ ○

Puigmarti Josep
Microfluidic technologies for materials processing and controlled self-assembly environments, Seminar at University of Kyoto, Kyoto, JP, 11-27to ♣ ○

Quandt Brit Maike
Flexible POFF sensors for decubitus prevention, Nanotera Annual Meeting, Bern, 05-04 to 05-05 ◆

Quandt Brit Maike, Boesel Luciano F., Scherer Lukas J., Bona Gian-L., Rossi René M.
Photonic Textile Sensors for Non-invasive, Long-term Medical Applications, Man-made Fibers Congress, Dornbirn, AT, 09-18to ♣

Quandt Brit Maike, Hufenus Rudolf, Rossi René M., Weisse Bernhard, Bona Gian-L., Boesel Luciano F.
Pressure-sensing Textiles Based on Extruded Polymer Optical Fibers, Polymer Processing Society Conference, Graz, AT, 09-21 to 09-25 ♣

Quandt Brit Maike, Scherer Lukas J., Hufenus Rudolf, Bona Gian-L., Boesel Luciano F.
Photonic Textile Sensors for Non-Invasive, Long-term Medical Applications, PhD Symposium, Dübendorf, 12-07 ♣

Protection and Physiology

Quesada Priego J.I.,, Martínez Guillamón, N., Cibrián Ortiz de Anda, R.M., Psikuta, A., Annaheim, S., Pérez-Soriano, P., Rossi, R.M., Corberán Salvador J.M., Salvador Palmer, R.
Effect of workload on local skin temperature during aerobic cycling exercise, XIII Congress of the European Association of Thermology, Madrid, ES, 09-03 to 09-05 ◆

Rossi René
Human Physiology, Urban Physics Winter School, Ascona, 01-25 to 01-30 ♣ ○

Rossi René
Intelligente Materialien für die Verpackungen der Zukunft, 15. Thurgauer Technologietag, Aadorf, 03-27 ♣ ○

Rossi René
Session: Nanofibrous Materials, The Fiber Society's Spring 2015 Conference and 2015 International Conference on Advanced Fibers and Polymer Materials, Shanghai, CN, 05-24 to 05-27 ○

Rossi René
Controlled Release of Active Agents from Electrospun Fibers, The Fiber Society's Spring 2015 Conference and 2015 International Conference on Advanced Fibers and Polymer Materials, Shanghai, CN, 05-24 to 05-27 ♣ ○

Rossi René
Medizitextilien mit intelligenter Substanzabgabe, Swiss Medtech Expo, Luzern, 09-15 ♣ ○

Rossi René
Smart fibers and textiles for medical applications, Advances in Materials EPFL-Seminars Autumn 2015, Lausanne, 10-26 ♣

Rotaru Gelu-Marius, Abrishamkar Afshin, Zhang Haijiang, Reifler Felix A., Rossi René M., Neels, Antonia, Puigmarti, Josep
Synthesis of metalorganic composite materials using microfluidics, SGK, SSCr, Annual Meeting 2015, Neuchâtel, 09-14 ◆

Schmid Michel, Weder Markus
Textile ECG electrodes on dry skin, Techtextil Symposium, Frankfurt am Main, DE, 06-05 ♣

Spano Fabrizio
Special Session: Composite materials – Nanocomposite materials: from design to applilcations, NANOfIM 2015 – 1st Workshop on Nanotechnology in Instrumentation and Measurement – Measurements in the world of Nanosensing – Nanotechnology for Instrument and Measurement, Lecce, IT, 07-24 to 07-25

Spano Fabrizio, Dabrowska, Agnieszka, Quandt Brit Maike, Boesel Luciano F., Rossi René M., Massaro, A. Lay-Ekuakille A.
Flexible touch sensors based on nanocomposites embedding polymeric optical fibers for artificial skin applications, IEEE NANO 2015 – 15th INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY, Roma, IT, 07-27 to 07-30 ♣

Spano Fabrizio, Rossi René M., Massaro, A., Lay-Ekuakille A.
AFM Laser Texturing on Chitosan, Au Precursor Nanocomposite Materials for Lithography Technique, NANOfIM 2015 – 1st Workshop on Nanotechnology in Instrumentation and Measurement – Measurements in the world of Nanosensing – Nanotechnology for Instrument and Measurement, Lecce, IT, 07-24 to 07-25 ♣

Stämpfli Rolf, Reifler Christoph
Projekt Einsatzgurt, 6. Tagung der Programmleitung Polizei-Technik, Zürich, 11-27 ♣ ○

Ulrich Sebastian
A general method for the preparation of ellipsoid-shaped supraparticles with modular compositions, PhD Symposium, Dübendorf, 12-07 ♣

Ulrich Sebastian, Bannwarth Markus, Hirsch Cordula, Rossi René M., Boesel Luciano F.
Ellipsoid-Shaped Superparamagnetic Nanoclusters through Emulsion Electrospinning, PolyColl Meeting 2015, Fribourg, 07-03 ◆

Weidenbacher Lukas,
Evaluation of non-degradable membranes for medical applications, NART – Nanofibers, applications and related technologies, Liberec, CZ, 08-31 to 09-02 ◆

Wettenschwiler Patrick, Lorenzetti P.D., Stömpfli Rolf, Rossi René M., Ferguson S.J., Annaheim Simon
Mechanical Predictors of discomfort during load carriage, 21st congress of the European Society of Biomechanics, Prague, CZ, 07-05 to 07-08 ♣

Yazgan Gökçe
Hierarchically nanostructured electrospun fibers for drug release and tissue engineering, NART – Nanofibers, applications and related technologies, Liberec, CZ, 08-31 to 09-02 ♣

Yazgan Gökçe
Nanostructured electrospun fibers for tissue Engineering, PhD Symposium, Dübendorf, 12-07 ♣

Reliability Science and Technology

Anderegg Peter
Langzeitüberwachung Brücke Emmen, VDI Fachausschuss, Hannover, DE, 09-08 to 09-10 ♣

Brönnimann Rolf, Dominik Bachmann, Albert Kunz, André Kupferschmid, Markus Mangold, Béla Tuzson
FPGA based control system for multi-component gas sensing, nano-tera Meeting 2015, Bern, 05-04 to 05-05 ◆

Butti Pascal, Shorubalko Ivan, Sennhauser Urs, Ensslin Klaus
EFFICIENCY OF GRAPHENE BASED RECTIFIERS, Graphene Week 2015, Manchester, GB, 06-22 to 06-26 ◆

Reliability Science and Technology

Cuervo-Reyes Eduardo
A Unifying View of the Constant-Phase-Element and Its Role as an Aging Indicator for Li-Ion Batteries, Heat & Electricity Storage 2nd Symposium, Villigen, 05-05 ♣ ○

Cuervo-Reyes Eduardo
A Unifying View of the Constant-Phase-Element and Its Role as an Aging Indicator for Li-Ion Batteries, 31th PSI Electrochemistry Symposium, Villigen, 06-05 ♣ ○

Grossmann Günter
Aktive Ermüdungsversuche an Mikrovias, Europäisches Elektronik Kolleg, Colonia St. Jordy, ES, 03-18 to 03-20 ♣ ○

Hack Erwin
Applications of Photomechanics in Tissue Biomechanics, Photomechanics Conference, Delft, NL, 05-26 to 05-29 ○

Hack Erwin, Zolliker Peter
HIGH-RESOLUTION TERAHERTZ HOLOGRAPHY FOR PROFILOMETRY IN TRANSMISSION, Photomechanics Conference, Delft, NL, 05-26 to 05-29 ♣ ○

Jacob Peter
LED malfunctions, caused by inadequate circuitry and, or hermetically sealing, Automotive Electronic Congress, Halle, DE, 04-13 to 04-17 ♣ ○

Jacob Peter
Highlights of the Autumn Conferences 2014, Vortrag IMS, Stuttgart, DE, 04-17 ♣ ○

Jacob Peter
Kleine Baugruppen ohne feste Masseanbindung und die Konsequenzen für eine ESD-gerechte Auslegung, Vortrag IMS, Stuttgart, DE, 04-17 ♣ ○

Jacob Peter
Electrostatic Discharge from Outside-to-Surface (ESDFOS), ESPA-IEW, Lake Tahoe, US, 05-02 to 05-06 ♣ ○

Jacob Peter
Einfluss von Umgebungs- und Verschaltungsbedingungen auf die, VDE-ITG Tagung 2015, Grainau, DE, 05-12 to 05-13 ♣

Jacob Peter
Die Grenzen Chip-interner ESD-Schutzstrukturen in nicht geerdeten Kleingeräten (Autoschlüssel, Uhren, Hörgeräte usw.), VDE-ITG Tagung 2015, Grainau, DE, 05-12 to 05-13 ♣

Jacob Peter
Fire incidents in power converters and their root causes – a brief overview, ESREF 2015, Toulouse, FR, 10-05 to 10-09 ♣ ○

Jacob Peter
Unusual defects, generated by wafer sawing: an update, including pick&place processing, ESREF 2015, Toulouse, FR, 10-05 to 10-09 ♣

Jacob Peter
What happens to ESDS (Electrostatic Sensitive Devices) in case of direct ESD from plastics?, ISTFA 2015, Portland OR, US, 11-02 to 11-05 ♣

Liu Yu
Boundary constraints in iterative reconstruction, Workshop on image quality in static CBCT", Lyon, FR, 07-31 ♣

Stilp Evelyn, Adams-Heer Donat, Cuervo-Reyes Eduardo, Held Marcel, Sennhauser Urs
Influence of stress cycling on Li-ion batteries for vehicle applications, The SCCER Heat and Electricity Storage 3rd Symposium "Storing Renewable Energy for Future Mobility", Villigen, 10-26 ◆

Stritt Carina
Quantitative Untersuchung der Streubeiträge in Hochenergie-Röntgencomputertomographie, DACH Jahrestagung, Salzburg, AT, 05-11 to 05-13 ♣

Zolliker Peter, Masahiro Kusano, Lorenzo Valzania, Andreas J. Brunner, Masatoshi Kubouchi, Mitsuharu Shiwa
Terahertz holography towards non-destructive evaluation of materials, Symposium of the section of non-destructive evaluation for new materials 2015, Akita, JP, 11-04 to 11-06 ◆

Mobility, Energy and Environment

Acoustics / Noise Control

Churchill Claire, Hopkins C.
PREDICTION OF THE DYNAMIC PROPERTIES OF A CROSS LAMINATED TIMBER PLATE FROM AN INVESTIGATION OF THE EIGENMODES USING A SCANNING LASER VIBROMETER, Acoustics 2015, Harrogate, GB, 10-15to ♣

Eggenschwiler Kurt
Herbsttagung der Schweizerischen Gesellschaft für Akustik SGA, Zürich, 11-05 to 11-06 ■

Eggenschwiler Kurt
Nutzungsabhängige Raumakustik – Neue und revidierte Anforderungen für eine gute Akustik in Räumen, Fachsymposium Akustiklösungen, Dübendorf, 03-13 ♣

Acoustics / Noise Control

Glavitsch Ulrike, He Lei, Dellwo Volker
Stable and Unstable Intervals as a Basic Segmentation Procedure of the Speech Signal, Interspeech 2015, Dresden, DE, 09-06 to 09-10 ♣

He Lei, Glavitsch Ulrike, Dellwo Volker
Comparisons of Speaker recognition strengths using suprasegmental duration and intensity variability: An artificial neural networks approach, 18th International Congress of Phonetic Sciences (ICPhS), Glasgow, GB, 08-10 to 08-14 ◆

Heutschi Kurt
NORAH – Fokus Akustik – Externer Kommentar, ICANA 15: 3rd International Conference on Active Noise Abatement, Frankfurt, DE, 11-12 to 11-13 ♣ ○

Pieren Reto, Bütler Thomas, Heutschi Kurt
Auralisation of accelerating passenger cars, Euronoise 2015, Maastricht, NL, 05-31 to 06-03 ♣ ○

Rietdijk Frederik, Heutschi Kurt, Zellmann Christoph
Determining an empirical Emission model for the auralization of Jet aircraft, Euronoise 2015, Maastricht, NL, 05-31 to 06-03 ♣ ○

Schäffer Beat, Schlittmeier Sabine J., Heutschi Kurt, Brink Mark, Graf Ralf, Pieren Reto, Hellbrück Jürgen
Annoyance potential of wind turbine noise compared to road traffic noise, Euronoise 2015, the 10th European Congress and Exposition on Noise Control Engineering, Maastricht, NL, 06-01 to 06-03 ♣

Schoenwald Stefan, Barry Gibbs
Organisation and Chairing of Structured Session "Excitation of building elements by structure-borne and airborne sources" with 11 invited and 1 contributed papers, EURONOISE 2015, Maastricht, NL, 06-01 to 06-03 ■

Schoenwald Stefan, Hans-Martin Tröbs, Armin Zemp
Measurement of flanking sound transmission at low frequencies with a laser doppler vibrometer, EURONOISE 2015, Maastricht, NL, 06-01 to 06-03 ♣ ○

Szakos Jozsef, Glavitsch Ulrike
Investigating disfluency in recordings of last Speakers of endangered Austronesian languages in Taiwan, Disfluency in Spontaneous Speech DiSS 2015 – An ICPhS Satellite Meeting, Edinburgh, GB, 08-08 to 08-09 ◆

Van Damme Bart, Alvarez Blanco Mariano, Schoenwald Stefan, Zemp Armin
LIMITATIONS TO THE USE OF HOMOGENIZED MATERIAL PARAMETERS OF CROSS LAMINATED TIMBER PLATES, International conference of sound and vibration 22, Florence, IT, 07-05 to 09-10 ♣

Wunderli Jean Marc, Foraster M., Eze I., Vienneau D., Brink M., Cajochen C., Héritier H.
Annoyance to Transportation noise and risk of physical inactivity, Euronoise 2015, Maastricht, NL, 05-31 to 06-03 ♣ ○

Wunderli Jean Marc, Vienneau D., Héritier H., Foraster M., Brink M., Cajochen C., Eze I., Köpfli M.
Source-specific traffic noise exposure and cardiovascular mortality in Switzerland, Euronoise 2015, Maastrich, NL, 05-31 to 06-03 ♣ ○

Zellmann Christoph,
Sound source model of civil aircraft in dependence of the flight condition, Empa PhD Students Symposium 2015, Dübendorf, 12-07 ♣

Advanced Analytical Technologies

Abegglen Manuel Sierau Berko, Brem Benjamin, Wang Jing, Rindlisbacher Theodor, Lohmann Ulrika
Chemical characterization of particulate matter aircraft turbine engine exhaust using single particle mass spectrometry, 19th ETH-Conference on Combustion Generated Nanoparticles, ETH Zürich, 06-28 to 07-01 ♣

Arbelo Yunieski, Barbato Francesco, Ruiz-Lopez Maria Isabel, Masoudnia Leili, Bleiner Davide
Table-top Plasma-driven XUV-photoemission Spectroscopies, 3rd International Conference on Ultrafast Structural Dynamics (ICUSD), Zürich, 06-10 to 06-12 ◆ ○

Arbelo Yunieski, Bleiner Davide
Concomitant surface microscopy and spectroscopy in the lab enabled by Plasma X-ray lasers, NAREP – From Synchrotron to table-top spectroscopies, Empa Dübendorf, 06-01to ♣ ○

Arbelo Yunieski, Bleiner Davide
Table-top XUV-source characteristics for nano-Imaging and spectroscopy, WG3&WG4&WG5 Meeting COST Action MP 1203, Madrid, ES, 07-09 to 07-10 ♣

Bahk Yeon Hyoung, Chen Shawn, Pui David, Wang Jing
Fractal geometry and effective density for agglomerates of airborne carbon nanotubes, European Aerosol Conference, Milan, IT, 09-06 to 09-11 ♣

Barbato Francesco, Bleiner Davide
Spectral characteristic of a pseudo-spark Plasma source for phase contrast imaging, WG3&WG4&WG5 Meeting COST Action MP 1203, Madrid, ES, 07-09 to 07-10 ♣ ○

Bleiner Davide
Short-wavelength Plasma Radiation for Table-top Nano-inspection, Internal Seminar, Empa X-ray Center, Dübendorf, 02-10 ♣ ○

Bleiner Davide
Implementing the plasma-lasing potential for table-top nano-imaging, Imaging Day, Empa Akademie Dübendorf, 04-15 ♣ ○

Bleiner Davide
Table-top XUV objective for nano-imaging: what did we learn from astronomy?, X-ray spatial telescopes and optical technology (COST Workshop), Milan, IT, 04-29 to 04-30 ♣ ○

Bleiner Davide
Concomitant surface microscopy & spectroscopy in the lab enabled by X-ray lasers, Tagung für Festkörperanalytik, Wien, AT, 07-06 to 07-08 ♣ ○

Bleiner Davide
Actinic damage of Y, Mo-multi-layer optics in a table-top plasma-driven X-ray laser, Hydrodynamics and X-ray Modelling Workshop, Madrid, ES, 07-09 to 07-10 ♣ ○

Bleiner Davide
Concomitant microscopy & spectroscopy in the lab enabled by plasma-driven XUV, VUV and EUV Metrology Meeting, Berlin, DE, 11-05 to 11-06 ♣

Borgschulte Andreas
XPS for energy applications, SAOG 2015, Fribourg CH, 01-23 ♣

Borgschulte Andreas
Zukunft Methanisierung, Technology Briefing: Power-to-Gas in der Mobilität, Empa, Dübendorf, 02-25 ♣ ○

Borgschulte Andreas
Smart Cat – Biogas-Upgrade durch kontinuierliche CO2-Methanisierung, Biomasseforschung in der Schweiz, Ittigen, 04-23 ♣ ○

Borgschulte Andreas
Hydrides dye oxides, Gordon Research Conference, Waterville, MA, US, 07-12 to 07-18 ♣ ○

Borgschulte Andreas
Der Teufel steckt im Detail: Nanochemie für die Energiewende, Antrittsvorlesung Uni Zürich, Universität Zürich, 10-10 ♣ ○

Borgschulte Andreas
Electron-Transfer reactions by time-resolved Magneto-Optics, HIU-Seminar, Helmholtz-Zentrum Ulm, DE, 10-20 ♣ ○

Borgschulte Andreas
Steigerung der Methanproduktion in Biogasanlagen durch chemische Methanisierung, Biomasse Erfahrungsaustausch, Zofingen, 11-23 ♣ ○

Brem Benjamin, Durdina Lukas, Rindlisbacher Theodor, Siegerist Friedjoch, Rocci-Denis Sara, Penanhoat Olivir, Andac Gurhan, Zelina Joseph, Wang Jing
Sensitivity of aircraft gas turbine non-volatile particulate matter mass and number emissions to fuel aromatic content, 19th ETH-Conference on Combustion Generated Nanoparticles, ETH Zürich, 06-28 to 07-01 ◆

Delmelle Renaud, Borgschulte Andreas, Züttel Andreas, Bleiner Davide, Jenatsch Sandra, Hany Roland, Nüesch Frank
Chemo- and Photochromism in MoO3 by XPS, SAOG 2015, Fribourg, 01-23 ◆

Delmelle Renaud, Duarte Renata Bessa, Borgschulte Andreas, Heel André
Self-Regeneratin Sorption Catalyst for CO2 Methanation, Biomasseforschung in der Schweiz, Ittigen, 04-23 ◆

Delmelle Renaud, Duarte Renata Bessa, Heel André, Bleiner Davide, Borgschulte Andreas
Coking in Sorption enhanced CO2 methanation, MRS Fall meeting, Boston, US, 11-29 to 12-04 ◆

Delmelle Renaud, Heel Andre, Borgschulte Andreas
Sorption Enhanced CO2 Methanation: Fundamental Investigations and Proof of Concept, Technology Briefing: Power-to-Gas in der Mobilität, Empa, Dübendorf, 02-25 ◆

Diefenbacher Pascal, Bogdal Christian, Gerecke Andreas, Schmid Peter, Scheringer Martin, Hungerbühler Konrad
Short-Chain Chlorinated Paraffins in Urban Air – Atmospheric Concentrations and Emissions, Dioxin 2015, Sao Paolo, BR, 10-18 to 10-22 ♣

Durdina Lukas, Brem Benjamin, Rindlisbacher Theodor, Siegerist Friedjoch, Rocci-Denis Sara, Penanhoat Oliver, Andac Gurhan, Zelina Joseph, Wang Jing
Spatial variability of PM and gaseous emissions at the exit plane of an in-Service Commercial aircraft turbine engine, 19th ETH-Conference on Combustion Generated Nanoparticles, ETH Zürich, 06-28 to 07-01 ♣

Durdina Lukas, Lobo Prem, Black Elizabeth, Trueblood Max, Hagen Don, Whitefield Phil, Wang Jing
Suitability of two mini-CAST Generators as laboratory surrogate sources for black carbon mass measurements in the aircraft engine exhaust, Aerosol Technology Conference 2015, Tampere, FI, 06-15 to 06-17 ♣

He Xu, Brem Benjamin, Wang Jing
Investigation of the key factors that influence the loading capacity and Filtration Efficiency of the cabin air filters used in automobiles, European Aerosol Conference, Milan, IT, 09-06 to 09-11 ◆

Heeb Norbert
6th VERT Forum: Particle Filter Technologies, Empa Dübendorf, 03-19 ■

Heeb Norbert
PCDD, Fs are not only generated by copper catalysis, 6th VERT Forum: Particle Filter Technologies, Empa Dübendorf, 03-19 ♣ ○

Heeb Norbert
19th ETH-Conference on Combustion Generated Nanoparticles, ETH Zürich, 06-28 to 07-01 ■

Heeb Norbert
19th ETH-Conference on Combustion Generated Nanoparticles, ETH Zürich, 06-28 to 07-01

Heeb Norbert, Rey Maria, Zennegg Markus, Haag Regula, Wichser Adrian, Schmid Peter, Seiler Cornelia, Honegger Peter, Zeyer Kerstin, Mohn Joachim, Bürki Samuel, Zimmerli Yan, Czerwinski Jan, Mayer Andreas
PCDD, F Formation in active DPFs: The inconvenient truth about biofuels, 19th ETH-Conference on Combustion Generated Nanoparticles, ETH Zürich, 06-28 to 07-01 ◆

Masoudnia Leili, Bleiner Davide
Parametric Optimization of Plasma Active-medium Parameters for Short-wavelength Laser, WG3&WG4&WG5 Meeting COST Action MP 1203, Madrid, ES, 07-09 to 07-10 ♣ ○

Munoz Fernandez Maria
PAH and Nitro-PAH emissions of GDI-vehicles with, without filter, 6th VERT Forum: Particle Filter Technologie, Empa Dübendorf, 03-19to ♣

Munoz Fernandez Maria
PAH and Nitro-PAH emissions from GDI vehicles, 19th ETH-Conference on Combustion Generated Nanoparticles, ETH Zürich, 06-28 to 07-01 ♣

Munoz Fernandez Maria
Influence of ethanol on genotoxic emissions of GDI, Biothreth Conference: Alcohol fuels for transport; background, research and development, Cracow, PL, 25.11.2015 to 26.11.2015 ♣

Ruiz-Lopez Maria Isabel, Bleiner Davide
Extreme ultraviolet Stokesmeter for pulsed magneto-optics, Empa Topical Day on Imaging and Image Analysis, Dübendorf, 04-15 ♣ ○

Ruiz-Lopez Maria Isabel, Bleiner Davide
Table top lensless imaging using Plasma based laser, WG3&WG4&WG5 Meeting COST Action MP 1203, Madrid, ES, 07-09 to 07-10 ♣ ○

Sachinidou Panagiota, Wang Jing
Investigation of artifacts during Filtration Efficiency measurement, European Aerosol Conference, Milan, IT, 09-06 to 09-11 ◆

Schlagenhauf Lukas, Buerki-Thurnherr Tina, Kuo Yu-Ying, Wichser Adrian, Wick Peter, Nüesch Frank, Wang Jing
Quantification of Released Carbon Nanotubes from an Epoxy-based Nanocomposite during Abrasion and Particle Toxicity, 34th annual conference of American Association for Aerosol Research (AAAR), Minneapolis, US, 10-11 to 10-16 ♣

Schlagenhauf Lukas, Kianfar Bahareh, Buerki-Thurnherr Tina, Kuo Yu-Ying, Wichser Adrian, Nüesch Frank, Wick Peter, Wang Jing
Weathering of an epoxy, CNT nanocomposite: Impact on abrasion, release and toxicity, European Aerosol Conference, Milan, IT, 09-06 to 09-11 ♣

Schlagenhauf Lukas, Kuo Yu-Ying, Bahk Yeon Kyoung, Nüesch Frank, Wang Jing
Thermal decompositon of a carbon nanotube, epoxy nanocomposite and resultant particle release, European Aerosol Conference, Milan, IT, 09-06 to 09-11 ♣

Setyan Ari, Kuo Yu-Ying, Brem Benjamin, Durdina Lukas, Gerecke Andreas, Heeb Norbert, Wang Jing
Chemical characterization of volatile organic compounds emitted by aircraft engines, European Aerosol Conference, Milan, IT, 09-06 to 09-11 ♣

Sukiene Vilma, Gerecke Andreas, von Goetz Natalie, Hungerbühler Konrad
Transfer of plasticizers from consumer products to indoor dust and air, 10th IOHA International Scientific conference, London, GB, 04-25 to 04-30 ♣

Sukiene Vilma, Gerecke Andreas, von Goetz Natalie, Hungerbühler Konrad
Field measurement of the direct substance transfer from consumer products to house dust, International Society of Exposure Science – 25th Annual Meeting, Henderson, US, 10-18 to 10-22 ♣

Wang Jing, Brem Benjamin, Durdina Lukas, Setyan Ari, Kuo Yu-Ying
Aircraft engine Emission measurement in Zürich and comparative assessment, Aircraft Noise and Emissions Reduction Symposium (ANERS), La Rochelle, FR, 09-22 to 09-25 ♣ ○

Zennegg Markus
PDMS Passive Sampler: ein ausgezeichnetes Werkzeug für die Identifikation von PCB Punktquellen, Passive Sampling für das Gewässermonitoring, Eawag, Dübendorf, 01-22 ♣

Zennegg Markus, Schmid Peter, Kuchen Arnold, Beer Michael, Tamborini Louis, Beckmann Matthias, Arpagaus Silvio, Caduff Andreas, Lanfranchi Marco
Hohe PCP Konzentration detektiert in Kalbfleisch aus extensiver Produktion – eine Fallstudie, Oekotoxikologie und Umweltchemie – von der Forschung in die Praxis. 20. Jahrestagung SETAC GLB, ETH Zürich, 09-07 to 09-10 ♣

Advanced Analytical Technologies

Zennegg Markus, Vermeirssen Etienne, Eichenberger Nicolas, Huser Marin, Ochsenbein Ueli, Schmid Peter
Identifikation von PCB-Punktquellen in Gewässern, Fachtagung PCB in der Umwelt mit Fokus auf Gewässer, BAFU Bern, 12-09 ♣ ○

Zennegg Markus, Vermeirssen Etienne, Eichenberger Nicolas, Huser Martin, Ryser Rico
PDMS passive sampler an excellent tool for tracing PCB Point sources, Oekotoxilogie und Umweltchemie – von der Forschung in die Praxis. 20. Jahrestagung SETAC GLB, ETH Zürich, 09-07 to 09-10 ♣

Air Pollution / Environmental Technology

Anet Julien, Martin Steinbacher
Workshop "Training course Urban Air quality monitoring in Bolivia" in Bolivia 2015, Workshop "Training course Urban Air quality monitoring in Bolivia" in Bolivia 2015, La Paz, IIDEPROQ, BO, 10-12 to 10-16 ♣ ○

Anet Julien, Steinbacher Martin, Emmenegger Lukas, Buchmann Brigitte, Rossa Andrea
Sustainable implementation of greenhouse gas observation capacities in emerging countries, 16th Swiss global change day, fgb. Bern, 04-01 ◆

Anet Julien, Steinbacher Martin, Emmenegger Lukas, Buchmann Brigitte, Rossa Andrea
Sustainable implementation of greenhouse gas observation capacities in emerging countries, ICOS, InGOS Summer School 2015, Hyytiälä, FI, 05-20 to 05-29 ◆

Berchet Antoine, Zink Katrin, Brunner Dominik, Emmenegger Lukas
Assessing spatial and temporal variability of air quality at the city scale using building-resolving dispersion modelling, PHYSMOD 2015 – International Workshop on Physical Modeling of Flow and Dispersion Phenomena, Empa Dübendorf, 09-07 to 09-09 ♣

Berchet Antoine, Zink Katrin, Arfire Adrian, Marjovi Ali, Martinoli Alcherio, Emmenegger Lukas, Brunner Dominik
High-resolution air pollution modeling for urban environments in support of dense multi-platform networks, EGU General Assembly, Vienna, AT, 04-13 to 04-17 ◆

Brunner Dominik
Lagrangian transport and inverse emission modeling of non-CO2 greenhouse gases at regional scale, Kolloquium of the Institute for Geowissenschaften, Frankfurt University, Frankfurt, DE, 01-22 ♣ ○

Brunner Dominik
Air pollution and greenhouse gas remote sensing, Swiss Space Center annual meeting, Olten, 06-26 ♣

Brunner Dominik
Air pollutants and greenhouse gases observed from space, Seminar series on satellite observations, RUAG Space, Switzerland, Zurich, 09-10 ♣ ○

Brunner Dominik, Charles Joseph, Vogel Bernhard, Vogel Heike
Challenges and prospects of optimizing the coupled chemistry-meteorology model COSMO-ART, ISC High Performance Computing Conference, Frankfurt, DE, 06-23 ♣ ○

Brunner Dominik, Galmarini Stefano, Hogrefe Christian, Forkel Renate, Gauss Michael K., Schlünzen Heinke, Baklanov Alexander
Fit for purpose? Application and evaluation of regional coupled chemistry and meteorology models, Symposium on Coupled Chemistry-Meteorology, Climate Modelling, WMO Headquarters, Geneva, 02-23 to 02-25 ♣

Brunner Dominik, Henne Stephan, Thompson Rona, Manning Alistair, Arnold Timothy
Top-down estimation of European halocarbon emissions with four independent inversion systems, INGOS Final Project Meeting and Conference, Utrecht, NL, 09-21 to 09-24 ♣

Brunner Dominik, Nina Buchmann, Reto Knutti, Nicolas Gruber, Erich Fischer
Klima und Kohlenstoffkreislauf, Tischgespräche, ETH Klimarunden 2015, ETH Zürich, 11-04 ◆

Emmenegger Lukas
High-precision MIR trace gas analysis for environmental applications, Swissphotonics Workshop, Dübendorf, 01-15 ■ ○

Emmenegger Lukas
Detektive in der Atmosphäre Luftfremdstoffe und ihre Quellen, Rotary Düendorf Meeting, Dübendorf, 05-28 to 06-30 ♣ ○

Emmenegger Lukas
Air Pollution, Environmental Technology Laboratory and its Laser Spectroscopy, Aerodyne Research Seminar, Billerica, US, 06-18 ♣ ○

Emmenegger Lukas, Jagerska Jana, Tuzson Bela, Mangold Markus, Hundt Morten, Brönnimann Rolf, Jouy Pierre, Hugi Andreas, Süess Martin, Faist Jerome, Looser Herbert
Simultaneous Measurement of NO and NO2 using a Dual-Wavelength Quantum Cascade Laser, 2015 Advanced Photonics Congress, Boston, US, 06-28 to 07-01 ♣

Emmenegger Lukas, Mohn Joachim, Harris Eliza, Eyer Simon, Tuzson Bela
Frontiers of QC Laser spectroscopy for high precision isotope ratio analysis of greenhouse gases, MIRSENS, Würzburg, DE, 03-05 to 05-07 ♣ ○

Emmenegger Lukas, Tuzson Bela, Jagerska Jana, Looser Herbert, Mangold Markus, Mohn Joachim
MIR Spectroscopy beyond trace levels – environmental and industrial applications, CLEO, San Jose, US, 05-10 to 05-14 ♣ ○

Air Pollution / Environmental Technology

Eyer Simon, Eyer Simon, Tuzson Béla, Popa Maria E., van der Veen Carina, Röckmann Thomas, Rothe Michael, Brand Willi A., Fisher Rebecca, Lowry David, Nisbet Euan G., Brennwald Matthias S., Harris Eliza, Zellweger Christoph, Emmenegger Lukas, Fischer Hubertus, Mohn Joachim
Real-time analysis of d13C- and dD-CH4 in ambient air with laser spectroscopy: Method development and intercomparison, InGOS conference and final meeting, Utrech, NL, 09-21 to 09-24 ♣

Eyer Simon, Simon Eyer, Béla Tuzson, Maria E. Popa, Carina van der Veen, Thomas Röckmann, Willi A. Brand, Rebecca Fisher, David Lowry, Euan G. Nisbet, Matthias S. Brennwald, Eliza Harris, Lukas Emmenegger, Hubertus Fischer and Joachim Mohn
Real-time analysis of d13C- and dD-CH4 in ambient methane with laser spectroscopy, EGU 2015, Vienna, AT, 04-13 to 04-17 ◆

Henne Stephan
Regional Scale Air Quality Modelling – Concepts & Challenges, TAIEX-ECRAN Workshop on Air quality modelling, Ankara, TR, 10-20 to 10-21 ♣ ○

Henne Stephan
Regional Scale Air Quality Modelling – Evaluation & Applications, TAIEX-ECRAN Workshop on Air quality modelling, Ankara, TR, 10-20 to 10-21 ♣ ○

Henne Stephan, Brunner Dominik, Emmenegger Lukas
Lagrangian Modelling for Source Allocation – Models and Methods, PSI Laboratory for Atmospheric Chemistry (LAC) Seminar Series, Villigen, 05-15 ♣ ○

Henne Stephan, Brunner Dominik, Arfeuille Florian
Validation of GHG Fluxes Using In-situ Observations and Inverse Modelling, GAW CH Landesausschuss, Zurich, 11-04 ♣ ○

Henne Stephan, Oney Brian, Leuenberger Markus, Bamberger Ines, Eugster Werner, Steinbacher Martin, Meinhardt Frank, Brunner Dominik
Estimation of Swiss Methane Emissions by Near Surface Observations and Inverse Modelling, EGU General Assembly, Vienna, AT, 04-13 to 04-17 ◆

Henne Stephan, Oney Brian, Leuenberger Markus, Bamberger Ines, Eugster Werner, Steinbacher Martin, Meinhardt Frank, Brunner Dominik
Estimation of Swiss Methane Emissions by Near Surface Observations and Inverse Modelling, ICOS Model-Data-Fusion Workshop, Paris, FR, 04-20 to 04-21 ◆

Hill Matthias, Reimann Stefan
ACTRIS-2: WP3: Near-surface observations of aerosols, clouds and trace gases, ACTRIS-2 Kick-off Meeting 2015, Rome, IT, 06-03 to 06-05 ♣

Hueglin Christoph
Assessment of air quality in cities using sensors – the OpenSense project, City-Scale Air Quality Workshop, Utrecht, NL, 10-19to ♣ ○

Hueglin Christoph, Boleti Eirini, Weber Rudolf,
Long-term trend of air pollutants at Swiss sites using the TFMM trend Methodology, Convention on Long-Range Transboundary Air Pollution -16th Task Force on Measurement and Modelling Meeting, Cracow, PL, 05-05 to 05-08 ♣

Hueglin Christoph, Bugmann Stefan, Herich Hanna, Mueller Michael,
Trend and Spatial Variability of Ambient Particle Number Concentration in Switzerland, 19th ETH Conference on Combustion Generated Nanoparticles, Zurich, 06-28 to 07-01 ◆

Hueglin Christoph, Mueller Michael, Bischoff Reinhard, Meyer Jonas,
Extended Performance Analysis of a Senso Unit for O3 and NO2 and Operation of a Small Static Sensor Network in Zurich, Switzerland, COST Action TD1105 – New Sensing Technologies for Air Pollution Control and Environmental Sustainability. Fourth Scientific Meeting, Linkoping, SE, 06-03 to 06-05 ♣

Hueglin Christoph, Mueller Michael, Hasenfratz David, Saukh Olga, Fierz Martin,
Mapping of Ultrafine Particle Concentrations with High Spatial and Temporal Resolution in the City of Zurich, Switzerland, European Aerosol Conference 2015, Milan, IT, 09-06 to 09-11 ♣

Ibraim Erkan, Eliza Harris, Stephan Henne, Simon Eyer, Béla Tuzson, Lukas Emmenegger, Johan Six, Joachim Mohn
Analysis of N2O isotopic composition at a tall tower in central Switzerland to identify emission sources and hot spots, Jahrestagung der Arbeitsgemeinschaft Stabile Isotope 2015, Heidelberg, DE, 09-28 to 09-30 ◆

Ibraim Erkan, Eliza Harris, Stephan Henne, Tobias Denk, Benjamin Wolf, Ralf Kiese, Béla Tuzson, Lukas Emmenegger, Klaus Butterbach-Bahl, Johan Six, Joachim Mohn
N2O emissions from the Swiss midlands: regional sources and hot spots, 16th Swiss Global Change Day on 1 April 2015, Bern, 04-01 ◆

Jagerska Jana, Herbert Looser, Bela Tuzson, Ferdinand Felder, Luc Tappy, Lukas Emmenegger
Selective and Sensitive VOC Breath Analysis Using a 3.3 µm Broadly-Tunable VECSEL, Mirsens 3, Würzburg, DE, 03-05 to 03-07 ♣

Kuhlmann Gerrit, Hueni Andreas, Damm Alexander, Brunner Dominik
In-flight spectral calibration of the APEX imaging spectrometer using Fraunhofer lines, ESA Atmospheric Science Conference 2015, Heraklion, GR, 06-08 to 06-12 ◆

Kuhlmann Gerrit, Hueni Andreas, Damm Alexander, Brunner Dominik
Improving the Empa NO2 retrieval for the airborne APEX imaging spectrometer: first results, 7th International DOAS Workshop, Brussels, BE, 07-06 to 07-08 ♣

Mangold Markus, Bela Tuzson, Herbert Looser, Lukas Emmenegger
Cylindrical Multipass Reflection Cells for Optical Trace Gas Sensing, Mirsens 3, Würzburg, DE, 03-05 to 03-07 ♣

Mohn Joachim, Eyer Simon, Tuzson Béla, Popa Maria E., van der Veen Carina, Röckmann Thomas, Rothe Michael, Brand Willi A., Fisher Rebecc, Lowry David, Nisbet Euan G., Brennwald Matthias S., Harris Eliza, Zellweger Christoph, Emmenegger Lukas, Fischer Hubertus
Real-time analysis of d13C- and dD-CH4 in ambient air with laser spectroscopy: Method development and intercomparison, Annual Meeting of German Association of Stable Isotope Research, Heidelberg, DE, 09-28 to 09-29 ♣ ○

Mohn Joachim, Harris Eliza, Tuzson Béla, Emmenegger Lukas
Understanding N2O sources and sinks with laser based isotopic analysis, European Geosciences Union, General Assembly, Wien, AT, 04-12 to 04-17 ◆

Mohn Joachim, Harris Eliza, Tuzson Béla, Eyer Simon, Ibraim Erkan, Emmenegger Lukas
On-site analysis of GHG stable isotopes for the allocation of source processes, NORA, ICOS Sweden and Sites workshop, Gothenburg, SE, 05-10 to 05-13 ♣

Müller Michael, Hasenfratz David, Saukh Olga, Fierz Martin, Hueglin Christoph
Highly resolved ultrafine particle number concentration maps for the city of Zurich, Switzerland, 5th International Symposium on Ultrafine Particles (UFP-5). Ultrafine Particles – Air Quality and Climate., Brussels, BE, 05-04 to 05-05 ♣

Müller Michael, Hasenfratz David, Saukh Olga, Fierz Martin, Hueglin Christoph
HIGHLY RESOLVED UFP NUMBER CONCENTRATION MAPS IN ZURICH BASED ON DATA FROM A MOBILE SENSOR NETWORK, COST Action TD1105, Fourth Scientific Meeting, Linkoping, SE, 06-03 to 06-04 ♣

Mueller Michael, Hueglin Christoph
O3 and NO2 sensor network in Zurich: Operation, data processing and performance analysis, COST Action TD1105 EuNetAir, 8th Management Committee and Working Groups Meeting, Sofia, BG, 12-16 to 12-17 ♣

Reimann Stefan
Measurement of Atmospheric Trace Gases and its Relevance for Climate Change and Air Pollution, GAS2015, Rotterdam, NL, 06-10 to 02-12 ♣ ○

Reimann Stefan
Atmospheric halocarbons: essential for ozone depletion and climate change, Seminar at the Institut für Umweltphyisk at the University of Heidelberg, Heidelberg, DE, 06-16 ♣ ○

Reimann Stefan
Solving the Mystery of Carbon Tetrachloride, Düebendorf Empa Akademie, 10-04 to 10-06 ■

Reimann Stefan, Vollmer Martin, Hill Matthias, Wyss Simon, Emmenegger Lukas
Recently discovered halogenated greenhouse gases: from anaesthetics to mobile air conditioning, Swiss Geoscience meeting, Basel, 11-20 to 11-21 ♣

Schönenberger Fabian, Reimann Stefan, Vollmer Martin, Emmenegger Lukas
Recently discovered halogenated greenhouse gases HCFC-31 and HCFC-133a in the atmosphere, InGOS final meeting, Utrecht, NL, 09-22 to 09-24 ♣

Schönenberger Fabian, Voller Martin, Reimann Stefan, Emmenegger Lukas
Recently discovered halogenated greenhouse gases HCFC-31 and HCFC-133a in the atmosphere, Empa PhD Symposium, Düebendorf Empa Akademie, 10-01 ♣

Schoenenberger Fabian, Vollmer Martin, Hill Matthias, Henne Stephan, Reimann Stefan, Peter Thomas
Recently discovered greenhouse gases HCFC-31 and HCFC-133a in the atmosphere, InGOS International Conference, Utrecht, NL, 09-21 to 09-24 ♣

Schwarzenbach Beat, Hueglin Christoph
Vergleichsmessungen von PM10 und PM2.5 mit dem Fidas 200, TEOM FDMS und Digitel Hivol Sampler, 50. Messtechnisches Kolloquium, Grainau, DE, 05-11 to 05-13 ♣

Steinbacher Martin, Tuzson Bela, Poltera Yann, Martucci Giovanni, Haefele Alexander, Conen Franz, Leuenberger Markus, Emmenegger Lukas
Swiss Contribution to Atmospheric Observations in ICOS (Integrated Carbon Observation System), Swiss Global Change Day 2015, Bern, 04-01 ◆

Steinbacher Martin
ICOS MSA Atmosphere – Status and News, ICOS Ecosystem Monitoring Assembly, Zurich, 02-03 to 02-05 ♣ ○

Steinbacher Martin
Trace gas measurements at Jungfraujoch – Sphinx and East Ridge laboratories, HFSJG users' meeting, Bern, 05-08 ♣

Steinbacher Martin
ICOS Atmosphere Monitoring Station Assembly Meeting, Duebendorf, 06-09 to 06-11 ■

Steinbacher Martin
Observations of air pollution and atmospheric composition from local to global scale, Seminar at the Universidad Mayor de San Andres, La Paz, BO, 10-13 ♣ ○

Air Pollution / Environmental Technology

Steinbacher Martin
Integrated Carbon Observation System (ICOS) – status report, GAW-CH Landesausschuss, Zurich, 11-04 ♣

Steinbacher Martin, Anet Julien, Zellweger Christoph, Rossa Andrea, Torres Gaston, Long Duong Hoang, Buchmann Brigitte, Emmenegger Lukas
Implementation of long-term Greenhouse Gas Observation Capacities in Chile and Vietnam, 18th WMO, IAEA Meeting on Carbon Dioxide, Other Greenhouse Gases, and Related Measurement Techniques (GGMT-2015), La Jolla, US, 09-13 to 09-17 ◆

Steinbacher Martin, Suter Ivo, Henne Stephan, Keller Johannes, Staehelin Johannes, Hueglin Christoph, Emmenegger Lukas
Meteorologically adjusted long-term trends (1990-2009) of surface ozone and its precursors in Switzerland, Tropospheric Ozone Assessment Report (TOAR) workshop, Madrid, ES, 04-29 to 04-30 ◆

Steinbacher Martin, Wyss Simon
ATCqc – user feedback Empa, ICOS Atmosphere Monitoring Assembly, Duebendorf, 06-09 to 06-11 ♣

Tuzson Bela, Jana Jagerska, Herbert Looser, Piere Jouy, Andreas Hugi, Markus Mangold, Patrick Soltic, Jerome Faist, Lukas Emmenegger
Multi-species trace gas analysis with dual-wavelength quantum cascade laser, EGU, Vienna, AT, 04-12 to 04-17 ◆

Vollmer Martin, Reimann Stefan, AGAGE Team
Atmospheric Histories and Global Emissions of the chlorofluorocarbon CFC-13, CFC-114, and CFC-115, AGAGE meeting, Kona, Hawaii, US, 12-06 to 12-11 ♣

Vollmer Martin, Reimann Stefan, AGAGE Team
Cyclo-propane in the atmosphere. First observations, Work in progress, AGAGE semi-annual meeting, Kona, Hawaii, US, 12-06 to 12-11 ♣

Vollmer Martin, Reimann Stefan, Hill Matthias, Brunner Dominik
First Observations of 4th Generation Synthetic Halocarbons in the Atmosphere: HFC-1234yf, HFC-1234ze(E), and HCFC-1233zd(E), NOAA GMD ESRL annual meeting, Boulder, Colorado, US, 05-19 to 05-20 ♣

Zellweger Christoph, Mohn Joachim, Reimann Stefan, Vollmer Martin, Wyss Simon
Comparison of reference standards to global scales, HIGHGAS 2nd Meeting, PTB Braunschweig, DE, 06-23 to 06-24 ♣

Zellweger Christoph, Steinbacher Martin, Buchmann Brigitte
World Calibration Centre WCC-Empa, GAW-CH Landesausschuss, Zurich-Airport, 11-04 ♣

Zellweger Christoph, Steinbacher Martin, Emmenegger Lukas, Buchmann Brigitte
Traceability of GHG Measurements within the GAW Programme: Results from the World Calibration Centre WCC-Empa, BIPM Workshop on Global to Urban Scale Carbon Measurements, BIPM, Sèvres, FR, 06-30 to 07-01 ♣

Zellweger Christoph, Steinbacher Martin, Emmenegger Lukas, Buchmann Brigitte
Traceability of Measurements within the Global Atmosphere Watch Programme: Results from the World Calibration Centre WCC-Empa, 18th WMO, IAEA Meeting on Carbon Dioxide, Other Greenhouse Gases, and Related Measurement Techniques (GGMT-2015), La Jolla, US, 09-13 to 09-17 ♣

Zink Katrin, Berchet Antoine, Brunner Dominik, Emmenegger Lukas
Towards an integrated system for high resolution air quality modelling at the urban scale, PHYSMOD 2015, Empa Dübendorf, 09-07 to 09-09 ♣

Zink Katrin, Berchet Antoine, Brunner Dominik, Emmenegger Lukas
Simulating air pollution on the city scale, Swiss Geoscience Meeting, Basel, 11-20 to 11-21 ♣

Automotive Powertrain Technologies

Bach Christian
Power-to-Gas-Fahrzeuge, Power-to-Gas in der Mobilität, Empa Akademie, Dübendorf, 02-25 ♣

Bach Christian
Chemical energy storage and conversion for Mobility, IEA End Use Workshop, Empa Dübendorf, 03-03 ♣ ○

Bach Christian
Electricity based gaseous fuels, IEA IA Advanced Motor Fuels, Fribourg, 09-25 ♣ ○

Bütler Thomas, Huber Mathias, Brügger Marco, Cabalzar Urs
Vehicle investigation on Hydrogen, Compressed Natural Gas mixtures (HCNG), Verbrennungstagung, ETH Zürich, 09-09 ◆

Cabalzar Urs
Future Mobility Demonstrator, European Fuelcell Forum, Luzern, 07-03 ♣ ○

Cabalzar Urs
Future Mobility Demonstrator, Gasmobilsymposium, Empa Dübendorf, 10-28 ♣ ○

Dimopoulos Eggenschwiler Panayotis
Emissions Measurements and Testing Emission Contril Modeling, ICE2015 – 12th International Conference on Engines & Vehicles SAENA with Argonne National Laboratory, Capri, IT, 09-14 to 09-17

Dimopoulos Eggenschwiler Panayotis, Schreiber Daniel
Investigation of the Oxidation Behavior of Soot in Diesel Particle Filter structures, ICE2015 – 12th International Conference on Engines & Vehicles SAENA with Argonne National Laboratory, Capri, IT, 09-14 to 09-17 ♣

Liao Yujun, Dimopoulos Eggenschwiler Panayotis
DeNOx SCR: comparison of Commercial AdBlue injectors, Verbrennungstagung ETH, Zürich, 09-09 ◆

Automotive Powertrain Technologies

Liao Yujun, Dimopoulos Eggenschwiler Panayotis, Spiteri Alexander, Nocivelli Lorenzo, Montenegro Gianluca, Boulouchos Konstantinos
Fluid dynamic comparison of AdBlue injectors for SCR applications, ICE2015 – 12th International Conference on Engines & Vehicles SAENA with Argonne National Laboratory, Capri, IT, 09-14 to 09-17 ☙

Liao Yujun, Nocivelli Lorenzo, Dimopoulos Eggenschwiler Panayotis, Spiteri Alexander
Experimental investigaton of urea-water sprays in Selective Catalytic Reduction (SCR) systems, 15th Stuttgart International Symposium, Automotive and Engine Technology, Stuttgart, DE, 03-17 to 03-18 ☙

Liati Anthi, Barro Christophe, Iannuzzi Stefano, Boulouchos Konstantinos
Particulate Matter of "Soot-Free" Fuels in a Cylindrical Constant Volume Chamber, 19th Conference on Combustion Generated Nanoparticles, Zürich, 06-28 to 07-01 ☙

Nocivelli Lorenzo, Montenegro Gianluca, Liao Yujun, Dimopoulos Eggenschwiler Panayotis, Campbell John, Rapetto Nicola
Modeling of Aqueous Urea Solution injection with characterization of spray-wall cooling effect an risk of onset of wall wetting, 70 Congresso Annuale Associazione Thermotecnica Italian, Roma, IT, 09-09 to 09-11 ☙

Soltic Patrik, Biffiger Hannes
Split Injection for CNG Engines, Schweizer Verbrennungstag, ETH Zürich, 09-09 ☙ ○

Soltic Patrik, Biffiger Hannes
Effects of Split Port Fuel, Direct Injection in a CNG Engine, 10. Tagung Gasfahrzeuge – Alternative mit Zukunft, Stuttgart, DE, 10-20 to 10-21 ☙

Materials for Energy Conversion

Battaglia Corsin
Thermoelectric Activities at Empa, International Energy Agency Workshop, Dübendorf, 03-03 ☙ ○

Battaglia Corsin
Materials for Energy Conversion, EPFL Neuchâtel, Seminar, Neuchâtel, 05-22 ☙ ○

Battaglia Corsin
Materials for Energy Conversion, 10th anniversary of Zeno Karl Schindler Foundation, Lausanne, 10-10 ☙ ○

Battaglia Corsin
Hole selective MoOx contacts for high-efficiency silicon solar cells, 25th International Photovoltaic Science & Engineering Conference, Global Photovoltaic Conference 2015, Busan, KR, 11-15 to 11-20 ☙ ○

Battaglia Corsin
Thin-film InP solar cells with electron selective TiO2 contacts, 25th International Photovoltaic Science & Engineering Conference, Global Photovoltaic Conference 2015, Busan, KR, 11-15 to 11-20 ☙ ○

Battaglia Corsin
Materials for Energy Conversion, KAIST International Workshop on Energy, Environment, Water, and Sustainability 2015, Advanced Technology of Next Generation Rechargeable Batteries, Daejeon, KR, 11-20 ☙ ○

Battaglia Corsin
Materials for Energy Conversion, LG Chem, Seminar, Daejeon, KR, 11-20 ☙ ○

Battaglia Corsin
Potential der Thermoelektrik zur Abwärmenutzung, BFE Trendwatching Meeting, Schaffhausen, 11-24 ☙ ○

Bonk Alexander, Annika Maier, Meike Schlupp, Dariusz Burnat, Corsin Battaglia, Ulrich F. Vogt
Ceria-based Ceramic Foams for Solar Thermochemical Redox Reactions, 90th DKG Annual Conference & Symposium on High-Performance Ceramics, Bayreuth, Germany, DE, 03-16 to 03-19 ☙

Burnat Dariusz, Meike V. F. Schlupp, Alexander Bonk, Corsin Battaglia, Ulrich F. Vogt
Phase inversion process of novel membranes for alkaline electrolysis,, 5th European PEFC & H2 Forum 2015, Lucerne Switzerland, 06-30 to 07-03 ☙

Dilger Stefan, Landsmann Steve, Steier Ludmilla, Trottmann Matthias, Battaglia Corsin, Grätzel Michael, Pokrant Simone
Blocking Layers in Particle-based Photoanodes for Performance Enhancement of Solar Water Splitting, 1st International Solar Fuels Conference (ISF-1), Uppsala, SE, 04-24 to 05-01 ◆

Landsmann Steve, Trottmann Matthias, Surace Yuri, Dilger Stefan, Battaglia Corsin, Weidenkaff Anke, Pokrant Simone
Fabrication of Particle-based Photoanodes by a Reproducible Step-by-Step Approach for Efficient Solar Water Splitting, 1st International Solar Fuels Conference, Uppsala, SE, 04-26 to 05-01 ◆

Pokrant Simone
Solar Watersplitting via Particle-based PEC-Electrodes, Scientfic meeting LightChec, Universität Zürich, 03-02 ☙ ○

Pokrant Simone, J. Luo, S. Landmann, M. Trottmann, D. Tilley, S. Pokrant, M. Graetzel, A. Weidenkaff
TANDEM – Two Absorber Nanostructured DEvice Module for direct solar water splitting, Nanotera annual meeting, Bern, 05-04 to 05-05 ◆

Pokrant Simone, Landsmann, Steve, Mägli Alexandra, Trottmann Matthias
The role of co-catalysts in photoelectrochemical versus photocatalytic water splitting: CoOx on LaTiO2N, Europacat XII, Kazan, RU, 08-31 to 09-04 ☙

Remhof Arndt, BLONSKI Piotr, YAN Yigang, LODZIANA Zbigniew
Borohydrides as Energy Storage Materials, Multiscale phenomena in molecular matter, Krakow, PL, 07-06 to 07-10 ☙ ○

Materials for Energy Conversion

Remhof Arndt, Yan Yigang, Kühnel Ruben-Simon, Rentsch Daniel, Giri Santanab, Jena Puru
Borohydrides as Energy Storage Materials, International Symposium on Clusters and Nanomaterials, Richmond, Virginia, US, 10-25 to 10-29 ♣ ○

Sascha Populoh
Entwicklung von Thermoelektrika zur Anwendung in Fahrzeugen, Thermische Rekuperation in Fahrzeugen, 2. VDI Fachkonferenz, Stuttgart, DE, 11-04 to 11-05 ♣ ○

Schlupp Meike, Vogt U.
Improving Performance and Stability of Solid Oxide Cells by Integration of AA-CVD Thin Films, 39th International Conference & Exposition on Advanced Ceramics and Composites, Symposium 3: 12th International Symposium on SOFC, SOEC, Daytona Beach, Florida, USA, US, 01-25 to 11-30 ♣ ○

Schlupp Meike, Vogt U.
AVOIDING CHROMIUM TRANSPORT IN SOLID OXIDE CELLS, 3rd International Workshop on Degradation Issues of Fuel Cells, Santorini, Greece, GR, 10-09 to 11-10 ♣ ○

Surace Yuri, Simões Mário, Karvonen Lassi, Pokrant Simone, Weidenkaff Anke
Activation of nano-Ca2MnO4 for electrochemical lithium in-tercalation, MRS spring meeting, San Francisco, US, 04-06 to 04-10 ◆

Thiel Philipp, Populoh Sascha, Saucke Gesine, Yoon Songhak, Funahashi Ryoji, Weidenkaff Anke
CaMnO3 for Power Conversion – Transport, Stability, Devices, International Symposium on Clusters and Nanomaterials, Richmond, Virginia, US, 10-26 to 10-29 ◆

Vogt Ulrich F.
5th European PEFC & H2 Forum 2015, Lucerne Switzerland, 06-30 to 07-03

Vogt Ulrich F., Alexander Bonk, Aldo Steinfeld (ETH)
Solar thermochemical Syngas Production by a CeO2 based Redox Cycle, University of Florida, Department of Mechanical and Aerospace Engineering,, Gainesville, FL 32611,, US, 01-07to ♣ ○

Vogt Ulrich F., Bonk A., Steinfeld A., van Bokhoven J.A., Battaglia C.
Syngas Production by a CeO2 Based Solar Thermochemical Redox Cycle, Workshop: "Manufacturing of green fuels from renewable energy", DTU Risoe (Denmark), DK, 04-14 to 04-16 ◆

Vogt Ulrich F., Dariusz Burnat, Meike V. F. Schlupp, Corsin Battaglia
Novel gas separation membranes for alkaline water electrolysis, 5th European PEFC & H2 Forum 2015, Lucerne Switzerland, 06-30 to 07-03 ♣

Vogt Ulrich F., M. Schlupp, G. Parcianello
Platelet Filler Reinforced Preceramic Polymer Ceramics for Thermal Barrier Coatings, 90th DKG Annual Conference & Symposium on High-Performance Ceramics 2015, Polymer Derived Ceramics, Bayreuth, Germany, DE, 03-16 to 03-19 ♣

Vogt Ulrich F., Meike V. F. Schlupp, Ji Woo Kim, Aude Brevet, Cyril Rado, Karine Couturier, Florence Lefebvre-Joud, Andreas Züttel
Microstructural and chemical characterization of chromium transport from interconnects in intermediate temperature solid oxide electrolysis (IT-SOE, 39th International Conference & Exposition on Advanced Ceramics and Composites, Symposium 3: 12th International Symposium on SOFC, SOEC, Daytona Beach, Florida, USA, US, 01-25 to 11-30 ♣

Yan Yigang
Circumventing the formation of [B12H12]2- species for reversible hydrogen Storage, 9th International symposium Hydrogen & Energy, Emetten, 01-25 to 01-30 ♣

Technology and Society

Boenke Achim, Kearns Peter Dubbert Wolfgang Markey Kristian Hischier Roland Rickerby David Scalbi Simona Song Hoseok Walser Tobias Möller Martin Peters Francis
OECD Guideance Manual towards the Integration of Risk Assessment into Life Cycle Assessment of Nano-Enabled Applications, SETAC Europe Annual Meeting, Barcelona, ES, 05-03 to 05-07 ◆

Boenke Achim, Kearns Peter Dubbert Wolfang Markey Kristian Hischier Roland Rickerby David Scalbi Simona Song Hoseok Walser Tobias Möller Martin Peters Francis
OECD Guideance Manual towards the Integration of Risk Assessment into Life Cycle Assessment of Nano-Enabled Applications, LCM 2015 – Life Cycle Management Conference, Bordeaux, FR, 08-30 to 09-03 ◆

Böni Heinz
Built environment and the nexus of human development, resource efficiency, and climate change mitigation, World Resources Forum, Davos, 10-12 to 10-14

Böni Heinz
Targets, indicators and benchmarks for resource use, World Resources Forum, Davos, 10-12 to 10-14

Böni Heinz, Wäger Patrick, Figi Renato
Rückgewinnung von kritischen Metallen wie Indium und Neodym aus Elektronikschrott auf der Strufe der manuellen und mechanischen Vorbehandlung, Berliner Recycling- und Rohstoffkonferenz, Berlin, DE, 03-16 to 03-17 ♣ ○

Caballero-Guzman Alejandro, Sun Tianyin, Nowack Bernd,
Flows of engineered nanomaterials through the recycling system in Switzerland, SUN-SNO-GUIDENANO Sustainable Nanotechnology Conference 2015, Venice, IT, 03-09 to 03-11 ♣

Cecilia Matasci
World Resources Forum, Davos, 10-12 to 10-14

Gasser Michael
Grundausbildung Kunststoffrecycling: Prozesstechnik, Additive, Verarbeitung, Aarau, 06-25 ■

Gasser Michael, Schluep Mathias
Legacy substances in WEEE-plastic. Current status and policy lessons for a transition to circular economies, World Resources Forum, Davos, 10-12 to 10-14

Hilty Lorenz
Computing Efficiency, Sufficiency, and Self-sufficiency: A model for Sustainability?, LIMITS 2015, Computing within Limits, Irvine, California, US, 06-15 to 06-16 ♣ ○

Hincapié Ingrid, Caballero-Guzmán Alejandro, Nowack Bernd
Flows of nanomaterials in construction and demolition waste in Switzerland, SUN-SNO-GUIDENANO Sustainable Nanotechnology Conference 2015, Venice, IT, 03-09 to 03-11 ◆

Hincapié Ingrid, Caballero-Guzmán Alejandro, Nowack Bernd
Flows of nanomaterials in construction and demolition waste in Switzerland, NanoSustain. SUN-SNO-GUIDENANO Sustainable Nanotechnology Conference 2015, Venice, IT, 03-09 to 11-11 ◆

Hischier Roland
Technology Briefing "Ökobilanzierung als Instrument der Technologiefolgeabschätzung", Dübendorf, 2014-11-19 ■ ○

Hischier Roland
30 Jahre Ökobilanzierung an Empa – ein Rückblick, Technology Briefing "Ökobilanzierung als Instrument der Technologiefolgeabschätzung", Dübendorf, 2014-11-19 ♣ ○

Hischier Roland
Zukünftige Forschungsschwerpunkte im Bereich Ökobilanzierung an der Empa, Technology Briefing "Ökobilanzierung als Instrument der Technologiefolgeabschätzung", Dübendorf, 2014-11-19 ♣ ○

Hischier Roland, Hilty Lorenz
Boundary conditions for a sustainable use of modern ICT infrastructure. Part I: Environmental impacts of ICT infrastructure and its use, LCM 2015 – Life Cycle Management Conference, Bordeaux, FR, 08-30 to 09-03 ◆

Hischier Roland, Salieri Beatrice Pini Martina
Comprehensive LCI and LCIA modelling for nanomaterials & its influence on study results: the example of Nano-TiO2, SETAC Europe Annual Meeting, Barcelona, ES, 05-03 to 05-07 ♣

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