

CONFERENCE

Aerogel Industry- Academia Forum

Processes, products, applications & markets



Online event

Tuesday, July 13 until Thursday, July 15, 2021

Call for Abstracts open (posters only)

Online registration:

www.empa-akademie.ch/aerogel

General Information

Meeting type **Online event**

Cost Online participation: CHF 80.–, students CHF 50.–.
Registration fee can be waived in exceptional
circumstances, please write aerogel@empa.ch

Registration <https://www.empa.ch/web/aia-forum/>

Deadline June 30, 2021

**Call for
abstracts** Oral presentations: Closed
Poster: Deadline June 30, 2021

Template and submission on:
<https://www.empa.ch/web/aia-forum/abstracts>

Contact aerogel@empa.ch
www.empa.ch

COST CA18125 – AEROGELS

AEROGELS COST Action explores aerogels for environmental and life sciences applications in a multidisciplinary approach to tackle two of the current main European challenges: circular economy and active ageing. The aim is to advance the state-of-the art on the topic by joining the knowledge and efforts of the experts on cutting-edge aerogel technology, on advanced characterization of materials as well as on biomedical and environmental research. Aerogels are intended to be assessed within the COST Action from a materials performance point of view but also regarding health and environmental implications. AEROGELS disseminates knowledge to society, boosts industry-academia interactions and trains European young researchers on research, innovation and entrepreneurial skills via technical schools, publications and exchanges. Interdisciplinary collaborations are promoted to yield innovative and integrated solutions for environment and for life sciences. The long-term scope is to develop aerogel technology to improve welfare and move towards cleaner and smarter production.
<https://cost-aerogels.eu/>

Aerogel Architecture Award 2021

We are delighted to invite you to submit your examples of aerogel use in architecture, construction, refurbishment and monument preservation for the "Aerogel Architecture Award 2021". We are searching for the top realized projects of refurbishment from Austria, Germany and Switzerland. The responsible architectural or civil engineering studio can be located anywhere, but projects should be no older than three years. The award celebrates the best projects on energy efficiency, unconventional solutions, high performing buildings solutions with use of superinsulating aerogel materials.
Submission deadline: May 31, 2021
<https://www.empa.ch/web/aaa2021>



Topic

The aerogel world is undergoing rapid development. On the industry side, new players are entering the market. New aerogel producers, including start-ups but also established materials manufacturers, introduce their products, compete for market share, or aim to develop new applications and markets. In the meantime, traditional manufacturers keep innovating. Silica aerogel remains the most important product, but polymer and biopolymer aerogels are becoming available as well. Other companies focus on developing process technologies or aerogel based products. On the academic side, there has been a veritable explosion of research into understanding traditional aerogel materials and applications, as well as new aerogel materials combinations, precursors and sustainable raw materials, new aerogel synthesis routes and new potential applications.

Target audience

Representatives from industry (aerogel producers, technology providers, raw material suppliers, formulators, end-users), policy-makers (NGOs, EC-representatives, funding agencies), regulatory entities and academia (aerogel process engineering field, as well as from application-oriented research in the biomedical, toxicological, environmental remediation, catalysis and thermal insulation fields).

Aims

- To strengthen and extend your network in the area of aerogel-related materials, technologies and markets.
- To introduce your products and services to the aerogel community through talks and posters.
- To learn about the most innovative, current research and developments on aerogels.
- To gather newest information on product standardization, LCA, toxicological evaluation and European research funding programs.
- To meet a pool of newcomer and established specialists in the field, as well as potential recruits for your institution or company.

Preliminary program and Invited speakers: Days 1 and 2

Tuesday, July 13, 2021

- 17:00 **Pre-conference networking**
Exploring the Gather.Town environment
- 19:00 **End of Day 1**

Wednesday, July 14, 2021

- 08:00 **Gather.Town opens**
- 09:00 **Welcome**
Wim Malfait, Empa, Switzerland
Matthias Koebel, siloxene, Switzerland
- 09:15 **Production and processes**
09:15 Irina Smirnova, TUHH, Germany
09:40 Shanyu Zhao, Empa, Switzerland
10:00 Supan Yodyingyong, Thilium, Thailand
10:20 Miguel Vazquez-Pufleau, IMDEA, Spain
- 10:40 **Coffee break**
- 11:00 **Product development and integration**
11:00 Pavel Holub, Armacell, France
11:20 Jannis Wernery, Empa, Switzerland
11:40 Hasina Begum, U. Sheffield, UK
- 12:00 **Lunch**
- 13:30 **Poster session**
- 15:00 **Processes and aerogel quality II/II**
15:00 Gudrun Reichenauer, ZAE Bayern, Germany
15:20 Yannick Nagel, Empa, Switzerland
- 15:40 **Coffee break**
- 16:00 **Start-ups and emerging industries I/II**
16:00 Francisco Ruiz, KEEY Aerogel, France
16:20 Brice Fiorentino, Enersens, France
16:40 Raman Subrahmanyam, Aerogelex, Germany
- 17:00 **Networking opportunities**
- 18:00 **End of Day 2**

Preliminary program and Invited speakers: Day 3

Thursday, July 15, 2021

- 08:30 **Registration**
- 09:00 **Start-ups and emerging industries II/II**
09:00 Masa Yamaji, TIEM Factory, Japan
09:20 Sam Cryer, Thermulon, UK
09:40 Elmira Soghrafi, Krosslinker, Singapore
10:00 Yunhong Wang, IBIH, China
- 10:20 **Coffee Break**
- 10:40 **Applications and markets I/III**
10:40 Carlos García-González, U. Santiago, Spain
11:05 Charlotte Heinrich, DLR, Germany
11:25 Lizeth Tinoco Navarro, Brno U.o.T, Czech Republic
11:45 Isaac Benito-González, IATA-CSIC, Spain
- 12:05 **Lunch**
- 13:30 **Applications and markets II/III**
13:30 Rémy Poupot, INSERM, France
13:50 Tony Eisenhut, Novasterilis, USA
- 14:10 **Round Table**
- 14:50 **Coffee Break**
- 15:20 **Applications and markets III/III**
15:20 Ákos Lakatos, U. Debrecen, Hungary
15:40 Mike O'Connor, Orlanna, France
16:00 Sebastian von Stauffenberg, AGI, Switzerland
- 16:20 **Closing remarks**
- 17:00 **Aerogel Architecture Award 2021**
17:00 Award ceremony and reception