

Program of the 17th mol(CH)surf discussion meeting

Friday, June 9, 2023

University of Bern, Dept. Chemistry and Biochemistry, Freiestrasse 3, Room EG16



08:45 – 09:15	<i>Registration</i> (please bring CHF 80 <u>in cash!</u>)	
09:15 – 09:20	Welcome	Thomas Greber
	Keynote	<i>Chair: Shi-Xia Liu</i>
09:20 – 10:05	Tailoring π -conjugation on surfaces	David Écija, IMDEA Madrid
	Recent developments I	
10:05 – 10:30	Electrically driven cascade photon-emission in a single molecule	Katharina Kaiser, CNRS-IPCMS Strasbourg
	<i>Coffee break</i>	
	Recent developments II	<i>Chair: Ernst Meyer</i>
11:00 – 11:25	Spin-torque driven electron paramagnetic resonance in a single organic molecule	Richard Schlitz, ETHZ
11:25 – 11:50	Materials discovery and adsorption characteristics prediction using machine learning and DFT	Abdelkader Kara, Univ. Central Florida
11:50 – 12:15	Manipulating magnetism in nanographenes via tip-induced dehydrogenation	Chenxiao Zhao, Empa
	<i>Lunch</i>	<i>at Restaurant Beaulieu (incl. in registration fee)</i>
	Brief reports I	<i>Chair: Sebastian Stepanow</i>
14:10 – 14:30	Progress in photoinduced debromination and azomethine ylide cycloadditions at insulating interfaces: STM and TOF-MS	Carlos-Andres Palma, CAS Beijing & HU Berlin
14:30 – 14:45	Charge induced geometric frustration in C ₆₀ layers	Max Bommert, Empa
14:45 – 15:00	Signature of electron-vibration coupling triggered by discharging molecules on Ag(111)	Chao Li, UBAS
15:00 – 15:15	Terahertz Scanning Tunneling Microscopy of Atomically Precise Graphene Nanoribbons	Eve Ammerman, Empa / Michigan State Univ.
	<i>Coffee break</i>	
	Brief reports II	<i>Chair: Huanyao Cun</i>
15:45 – 16:00	On-Surface Synthesis of a Doubly Anti-Aromatic Carbon Allotrope: Cyclo[16]carbon	Florian Albrecht, IBM
16:00 – 16:15	PTCDA mediated Ag(111) step reconstruction as a template for quantum confinement	Danyang Liu, UZH
	Updates from the SLS	
16:15 – 16:25	Status of the SLS Upgrade	Matthias Muntwiler, PSI
16:25 – 16:40	Final discussion & Outlook	<i>Chair: Roman Fasel</i>

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List of registered participants (as of 05.06.2023)



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by a short 10 min walk

The Department of Chemistry and Biochemistry can be reached from the train station (Hauptbahnhof Bern) by a short 10 min walk. After getting off the train, ignore the escalator/ stairs on the platform and head down into the main station underpass. Take one of the elevators at the end of the underpass near platform 13 and ride to the 4th floor "Grosse Schanze". Turn round, and pass between the two large historic buildings (the railroad administration on the left and the main University building on the right). Cross Hochschulstrasse and turn right after the small park. Walk along the main road (Länggassstrasse). Approx. 100 meters later, you will see a restaurant named "Beaulieu" on the left; from there follow Erlachstrasse departing slightly to the left from the main street. After approx. 200 m pass the roundabout and walk straight on. You will find the Department of Chemistry and Biochemistry on your left, about 50 m after the roundabout.

by Bus Nr. 12 - direction "Länggasse" from Bern Railway station (plan of bus stops at railway station), leave at the bus-stop "Mittelstrasse", cross the road at the zebra crossing opposite the post office, turn left into Fellenbergstrasse, walk along Fellenbergstrasse until end of the street. Turn right, the DCB is opposite the Paulus Church (Freiestrasse 3).

by car

A1/A12 direction Neuchâtel/Fribourg, exit Bern-Neufeld. Turn left in the direction of Länggasse. At the traffic light turn right into Bremgartenstrasse and go straight on to the roundabout. Turn left into Länggassstrasse. At the second traffic light turn right into Muesmattstrasse. Take the first on the left which is Freiestrasse. The DCB is opposite the church. Parking is strictly limited to 60 min in the whole area. For longer parking opt for the railway station car park.

