

“Klausurtagung Oberjoch 2024” 18.2. – 22.2.



The site of our annual meeting is the

Marburger Haus

a mountain lodge in the Kleinwalsertal (Austria) at 1140 m above sea level in the midst of the very pleasant surroundings of the Alps. The Berghaus provides full board and lodging and has convenient guest and seminar rooms. Further information can be found on their website at www.marburgerhaus.at

For the time of the meeting we hope for decent weather conditions which permit hiking or skiing during the afternoons.

Address:

**Marburger Haus
Familie Leißing
Wäldelestraße 16**

A6992 Hirschegg im Kleinwalsertal

Tel: 0043 5517 57680

Travel and other issues

Shuttle (S) Tübingen → Hirscheegg

- Departure: Sunday 18.02.2024 13:00, Institut für Angewandte Physik in Tübingen
- Arrival: Sunday 18.02.2024 16:00, car park 'Marburger Haus'

Shuttle (S) Hirscheegg → Tübingen

- Departure: Thursday 22.02.2024 11:00, car park ' Marburger Haus'
- Arrival: Thursday 22.02.2024 14:00, Institut für Angewandte Physik in Tübingen

Remarks

- ...

Participants

Name		Title of the talk	Driver	Shuttle	
				18.2.	22.2.
1	Balaz, Damian	Post-processing of deep learning processed 2D X-ray scattering data and potential simulation improvements	x	?	?
2	Banks, Hadra	From protein adsorption to crystallization			
3	Beck, Christian	Protein collective and self diffusion during crystallization- First results from WASP	x		
4	Christmann, Simon	Crystallization of HSA with LaCl ₃ using H ₂ O and D ₂ O studied by DLS			
5	Chulanova, Elena	Thin films of conjugated chalcogenadiazole: growth, structure and optical properties of substituted selenadiazoloquinoxaline			
6	Cruz, Catherine	Kinetic Monte Carlo simulations on thin film growth: island formation			
7	Dax, Ingrid	XPCS in grazing incidence geometry: Structural surface changes during the annealing of PTCDI-C8			
8	Gerlach, Alexander	Aspects of organic thin film growth and structure formation	x		
9	Hirschmann, Frank	Coarse-grained simulations of Ig and BSA			
10	Hylinski, Maik	Effect of preprocessing of GIWAXS images on deep learning based feature detection			
11	Kneschaurek, Ekaterina	Tracking perovskite crystallization by in situ GIWAXS and diversity of 2D compositions			
12	Kulinsky, Daniel	Deep learning approaches for classifying crystal XRD data in 1D	x		
13	Lapkin, Dmitry	First steps towards high-throughput studies of multi-component thin films			
14	Merten, Lena	Does perovskite grain growth depend on lead complexing and colloid formation in the precursor ink?			
15	Nasro, Roody	Compositional-resolved optical studies of gradient thin films			
16	Pylypenko, Anton	Studies of the structural properties and photophysics in neat and mixed thin films of pi-extended selenadiazole			
17	Reichart, Lara	DLS microrheology for protein solutions	x		
18	Retzbach, Sebastian	Biological samples studied with XPCS	x		

19	Romodín, Mikhail	ML approaches for crystal structure identification from 2D X-ray scattering data			
20	Rosa, Eduardo	Gold nanoparticles applied to perovskite solar cells			
21	Scheffczyk, Niels	Comprehensive study on crystallization pathways of perovskites via real-time GIWAXS	x		
22	Schreiber, Frank	Introduction and conclusions	x		
23	Schwartzkopff, Sebastian	Analysing perovskite phase segregation using simulations and machine learning	x		
24	Senft, Max	Depletion induced phase behavior of BSA and HSA protein solutions: Specific vs. non-specific interactions	x		
25	Simeonov, Leonard	Phase behaviour of 2D lead iodide perovskites	x		
26	Simon, Alessandro	Machine learning of a density functional for anisotropic patchy particles			
27	Surfaro, Furio	Extended ion activated patchy particle model and application on liquid-vapor coexistence			
28	Unger, Freddy	What determines the optical properties of small organic semiconductors?	x		
29	Völter, Constantin	ML based peak identification of 2D X-ray scattering data	x		
30	Weimar, Jens	Influence of anisotropy in GCMC simulations of coarse-grained BSA			
31	Zaluzhnyy, Ivan	Structure of lead halide perovskites studied by X-ray diffraction			
32	Zimmermann, Michael	Hard rods on lattice systems			
33	Zimmermann, Paul	Interface modulation for perovskite solar cells	x		
34					
35					

Notes

- Coordinate your talk with your close colleagues, especially with the session head.
- Prepare at least two print-outs of your slides.
- Give a summary with finished and future aspects of your project

