

Virtual Oberjoch Meeting 2022

21.02.2022

OMBD

Name	Comment	Time	Min	Title	Chair
Alexander Gerlach		10:15	15	Introduction	Ingrid D.
Matthias Zwadlo	PhD	10:30	25	Organic/Inorganic Interfaces of 6-Phenacene with Alkali Metals and Gold	
Anton Pylypenko	PhD	10:55	25	Picene: Thin Film Growth and Characterization	
Nadine Rußegger	PhD	11:20	25	Molecular Charge Transfer Effects on PDI Acceptor and DIP/DNTT Donor Systems	
		lunchbreak			
Christoph Theurer	PhD	13:15	25	Photophysical and Electronic Properties of Heterogenous, Coupled Systems Containing Organic Semiconductors	Matthias Z.
Julian Hausch	PhD	13:40	25	Impact of Excited State Diffusion on Intermolecular Electronic Relaxation Processes	
Frederik Unger	PhD	14:05	25	Developing a Toolbox for Precisely Controlling Intermolecular Singlet Fission	
Selina Terliesner	Bachelor	14:30	15	Temperature Dependence of Anthradithiophene Thin Films Stabilized by an Al ₂ O ₃ Protection	
		break			
Jakub Hagara	Postdoc	15:15	25	Templated Growth	Frederik U.
Ivan Zaluzhnyy	Postdoc	15:40	25	X-ray Scattering from Self-assembled Nanoparticles	
Ingrid Dax	PhD	16:05	25	Annealing and Growth of Non-Equilibrium Soft Matter Films: XPCS Studies in Grazing-Incidence Geometry	
Frank Schreiber		16:30	10		
Feedback session					

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23.02.2022

Perovskites and ML

Name	Comment	Time	Min	Title	Chair
Alexander Hinderhofer		10:15	15	Introduction	Alessandro G.
Lena Merten	PhD	10:30	25	Structural Diversity of Perovskites	
Niels Scheffczyk	PhD	10:55	25	Acquisition and Analysis of Real-time Data for Perovskite Thin Film Growth using a Specially Designed Spin Coater	
Manuel Herbst	Master	11:20	15	The Impact of Antisolvent on the crystallization process of different Perovskite structures made of FAPI and MAPI	
		lunchbreak			
Ekaterina Kneschaurek	PhD	13:15	25	Studying the Complexity of 2D Perovskite Crystallization and the Effect of Cs Incorporation in 3D Perovskite Compo	Lena M.
Anastasia Pylypenko	Staff	13:40	15	How SciCat can help to manage scientific data	
Linus Pithan	Postdoc	14:55	25	Modern Data Formats for Synchrotron X-ray Scattering	
Valentin Munteanu	PhD	14:20	25	Investigating 2D Perovskites via in situ GIWAXS: Crystallization Kinetics and Machine Learning Perspectives	
		break			
Vladimir Starostin	PhD	15:15	25	GIWAXS Analysis via Deep Learning: Current Results and Future Perspectives	Ekaterina K.
Felix Hagen	Bachelor	15:40	15	Improving the Peak Detection Performance on the Experimental GIWAXs Data by Adjusting the Simulation Process	
Alessandro Greco	PhD	16:55	25	Analysis of Neutron and X-ray Reflectivity Data Using Neural Networks	
Frank Schreiber		16:20	10		
Feedback session					

Virtual Oberjoch Meeting 2022

25.02.2022

Proteins

Name	Comment	Time	Min	Title	Chair
Fajun Zhang		10:15-10:30	15	Introduction of Protein Bulk Phase Behavior	Anastasia R.
Nafisa Begam	Postdoc	10:30-10:55	25	Dynamics of Chocolate via XPCS	
Sebastian Retzbach	Master	10:55-11:10	15	Dynamics of Chocolate via XPCS II	
		break			
Anastasia Ragulskaya	PhD	11:30-11:55	25	Reverse-Engineering as an additional tool in XPCS research	Hanna P.
Dennis Gutmüller	Master	11:55-12:10	15	Dynamics of BSA dense phase followed by DLS	
		lunchbreak			
Anita Girelli	PhD	13:30-13:55	25	Dynamics of antibodies in solution during phase separation	Ralph M.
Hanna Poggemann	PhD	13:55-14:20	25	Dynamics of antibodies via XPCS	
Furio Surfarò	PhD	14:20-14:45	25	Classical thermodynamic relations for the calculation of the second virial coefficient for protein solutions	
		15min break			
Ralph Maier	PhD	15:00-15:25	25	Crystallization of several aqueous protein-multivalent salt systems	Anita G.
Hadra Banks	PhD	15:25-15:50	25	Crystallization of BLG with YCI3 in H2O and D2O	
Maximilian Senft	PhD	15:50-16:15	25	Interaction and Crystallization in Protein Solutions in the Presence of multivalent Salts	
Jeronimo Dey	Master	16:15-16:30	15	BSA-PEG-NaCl System Phase Behavior	
Frank Schreiber		16:30-16:40	10		
Feedback session					