

11th Meeting of the Graduate Network - Life, Light and Matter 2024

Location: Seminar Room 110; Research Building of the Department LL&M; Albert-Einstein-Str. 25



Date: 26.01.2024

	Time		Speaker		Lector Topic	Supervisor		
Chairmen: Ralf Zimmermann								
1	09:00	09:10	Zimmermann	Ralf	Welcome			
2	09:15	09:25	Schubert	Alina	Interaction of 2D materials with laser-written waveguide circuits	Prof.	Tobias	Korn
3	09:30	09:40	Beese	Martina	Nonnegative matrix factorization for incomplete data sets	Prof.	Klaus	Neymeyr
4	09:45	09:55	Piehler	Ronja	Following exciton migration - live and in color	Prof.	Christian	Klinke
5	10:00	10:10	Heilen	Marie	In Vitro Effects of Metal Ions on iPSC-derived Cardiomyocytes - Chrome and Cobalt Ions Representing Typical Metal Implant Corrosion Products	Prof.	Robert	David
6	10:15	10:25	Sadow	Laura-Marie	Optic flow perception in harbor seals	Prof.	Frederike	Hanke
7	10:30	10:40	Spratte	Caroline	The harbor seal brain – towards fMRI measurements in harbor seals	Prof.	Frederike	Hanke
8	10:45	10:55	Ahmad	Muhammad	Formation and Charge Carrier Dynamics of Hybrid I-III-VI ₂ Nanoheterostructures	Prof.	Klaus	Boldt
Coffee break								
11:00 - 11:30								
Chairmen:								
9	11:30	11:40	Götz	Andreas	Novel characterization methods for nanofiber-based implant materials	Prof.	Niels	Grabow
10	11:45	11:55	Herzig	Anne	Nanotip Photoemission under Single-Cycle Light Fields	Prof.	Thomas	Fennel
11	12:00	12:10	Jiang	Jing	EXIST-FSC - Fast Scanning Calorimeter and its applications	Prof.	Olaf	Kessler
12	12:15	12:25	Naeimi	Mohammad	Growth and intracrystalline charge patterns of rubrene microcrystals studied by photoemission electron microscopy	Prof.	Sylvia	Speller
13	12:30	12:40	Che	Lam Vien	Enhancing Cellular Modelling with Realistic Boundary Conditions: Leveraging Digital Twin Applications for Image-Based Analysis	Prof.	Ursula	van Rienen
14	12:45	12:55	Siewert	Riko	Calorimetry for chemical hydrogen storage investigation	Prof.	Karsten	Müller
Lunchtime snack								
13:00 - 13:45								
Chairmen: Udo Kragl								
15	13:50	14:00	Kruse	Lennart	Fast-field-cycling NMR relaxometry: From fundamental principles to current applications	Dr.	Anne	Strate
16	14:05	14:15	Angel Mary	Chiramel Tony	A First Principles Based Approach to Determine the Frequency-Dependent Dipole-Dipole Relaxation from Molecular Simulations	Dr.	Dietmar	Paschek
17	14:20	14:30	Parekh	Urvi	Exciting stuff - plasmons and excitons in copper chalcogenides	Prof.	Christian	Klinke
18	14:35	14:45	Sass	Jan-Oliver	Characterization of hybrid implant materials based on titanium-ceramics	Prof.	Rainer	Bader
19	14:50	15:00	Weinbrenner	Paul	Scanning probe vector magnetic field imaging with color defects in diamond	Prof.	Friedemann	Reinhard