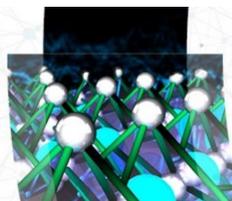


Horizons Symposium: Electronic & energy materials

25–26 September 2023 | Berlin, Germany



Final programme

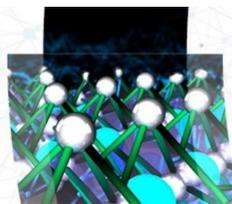
*Please note this programme is subject to change. All times shown are CEST (UTC+2)

Monday 25 September 2023

09:30	Registration and refreshments	
10:00	Welcome Norbert Koch Conference Chair <i>Humboldt University of Berlin, Germany</i>	
10:10	Introduction to symposium Michaela Muehlberg Executive Editor, <i>Materials Horizons & Nanoscale Horizons</i>	
Session 1 Chair: Norbert Koch		
10:15	Renaud Demadrille <i>CEA-Grenoble, France</i>	Highly conductive PEDOT-based materials for thermoelectric and photovoltaic applications
10:50	Stefan Hecht <i>Humboldt University of Berlin, Germany</i>	Developing xolography for volumetric 3D printing
11:25	Emil List-Kratochvil <i>Humboldt University of Berlin, Germany</i>	Electronic/Ionic, Plasmonic and Photonic Neuromorphic Device Concepts for Artificial Neural Networks
12:00	Lunch and posters	
Session 2 Chair: Heather Montgomery		
13:30	Yan Lu <i>Helmholtz-Zentrum Berlin, Germany</i>	Colloidal synthesis approach for energy materials
14:05	Zhongyi Jiang <i>Tianjin University, China</i>	Emerging Microporous Membranes for Energy-relevant Applications
14:40	Flash poster presentations	
15:00	Refreshments	
Session 3 Chair: Stefan Hecht		
15:30	Ewa Wierzbicka <i>Military University of Technology, Poland</i>	Modifications of nanostructured TiO ₂ for efficient photocatalytic and photoelectrochemical green hydrogen production
16:05	Erin Ratcliff <i>University of Arizona, USA</i>	Soft PhotoElectroChemical Systems for Solar Fuels
16:40	Flash poster presentations	
17:00	Poster session and drinks reception	
18:30	Close of session	

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Tuesday 26 September 2023

09:30	Registration and refreshments	
10:00	Day 2 Introduction and welcome Norbert Koch Conference Chair <i>Humboldt University of Berlin, Germany</i>	
Session 4 Chair: Zhiyong Tang		
10:10	Janet Macdonald <i>Vanderbilt University, USA</i>	Phases, Polytypes and Polymorphs: How to make what you want in nanocrystal synthesis
10:45	Jaime Martin <i>University of La Coruña, Spain</i>	Semi-Paracrystallinity in Semiconducting Polymers for Photovoltaics
11:20	Kazuo Takimiya <i>RIKEN, Japan</i>	Crystal structures of molecular semiconductors: control and prediction
11:55	INAM Berlin presentation	
12:10	Lunch and posters	
Session 5 Chair: Mark Thompson		
13:15	Eva Unger <i>Humboldt University of Berlin, Germany</i>	FAIRification of research data management in halide perovskite photovoltaics
13:50	Yana Vaynzof <i>Leibniz Institute for Solid State and Materials Research, Germany</i>	Vapor Deposition of Metal Halide Perovskites – Photovoltaics and Beyond
14:25	Jose Marquez Prieto <i>FAIRmat, Germany</i>	Exploring the solar cell materials landscape with NOMAD
15:00	Refreshments	
Session 6 Panel Discussion: Meet the Editors Chair: Martina Stenzel		
15:30	Welcome Martina Stenzel Editorial Board Chair, <i>Materials Horizons</i>	
15:40	Zhiyong Tang Scientific Editor, <i>Nanoscale Horizons</i> <i>National Center for Nanoscience and Technology, China</i> Mark Thompson Scientific Editor, <i>Materials Horizons</i> <i>University of Southern California, USA</i> Norbert Koch Scientific Editor, <i>Materials Horizons</i> <i>University of Southern California, USA</i> Janet Macdonald Associate Editor, <i>Nanoscale</i> <i>Vanderbilt University, USA</i>	
16:15	Closing remarks and poster prize presentations Norbert Koch and Michaela Muehlberg	
16:30	Close of symposium	