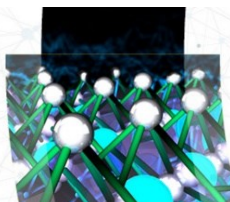


Horizons Symposium: Electronic & energy materials

25–26 September 2023 | Berlin, Germany



Final programme

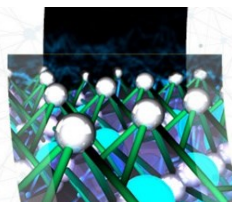
*Please note this programme is subject to change. All times shown are CEST (UTC+2)

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	

Horizons Symposium: Electronic & energy materials

25–26 September 2023 | Berlin, Germany



Tuesday 26 September 2023

09:30	Registration and refreshments	
10:00	Day 2 Introduction and welcome Norbert Koch Conference Chair Humboldt University of Berlin, Germany	
Session 4 Chair: Zhiyong Tang		
10:10	Janet Macdonald Vanderbilt University, USA	Phases, Polytypes and Polymorphs: How to make what you want in nanocrystal synthesis
10:45	Jaime Martin University of La Coruña, Spain	Semi-Paracrystallinity in Semiconducting Polymers for Photovoltaics
11:20	Kazuo Takimiya RIKEN, Japan	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 Humboldt University of Berlin, Germany	FAIRification of research data management in halide perovskite photovoltaics
13:50	Yana Vaynzof Leibniz Institute for Solid State and Materials Research, Germany	Vapor Deposition of Metal Halide Perovskites – Photovoltaics and Beyond
14:25	Jose Marquez Prieto FAIRmat, Germany	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, Materials Horizons	
15:40	Zhiyong Tang Scientific Editor, Nanoscale Horizons National Center for Nanoscience and Technology, China Mark Thompson Scientific Editor, Materials Horizons University of Southern California, USA Norbert Koch Scientific Editor, Materials Horizons University of Southern California, USA Janet Macdonald Associate Editor, Nanoscale Vanderbilt University, USA	
16:15	Closing remarks and poster prize presentations Norbert Koch and Michaela Muehlberg	
16:30	Close of symposium	