

SusMax kick-off workshop

21 – 22 October 2025, MPI Campus Potsdam

21 October 2025

Time	Speaker	Talk title
14:00 – 14:30	Silvia Vignolini	Welcome and opening address
14:30 – 15:00	Baptiste Bienvenu	Invited talk: <i>tba</i>
15:00 – 15:15	Shahrouz Amini	Project talk: <i>Sustainable Remodeling of Ceramics: Lessons from Growing Interfaces of Echinoderms (SuCeram)</i>
15:15 – 15:30	Wenyang Xu & Arsh Hazrah	Project talk: <i>Hydration-Governed Colloidal Stability for Sustainable Nanocellulose (HydroSusCell)</i>
15:30 – 16:00		<i>Coffee break</i>
16:00 – 16:15	Philipp Grosse	Project talk: <i>Plasma-Assisted Up-cycling of Polymer Waste as Hydrogen-Rich Reductant for Sustainable Metal Extraction from Contaminated Minerals and Metallurgical Wastes</i>
16:15 – 16:30	Francesco Palmieri	Project talk: <i>Model-based production of tailor-made polysaccharides from industrial wastes</i>
16:30 – 16:45	Christopher Synatschke	Flash talk: <i>Electropolymerization as a sustainable method for new materials synthesis: Applications in catalysis and water filtration</i>
16:45 – 17:00	Benjamin Steininger	Project talk: <i>Chemiewende. The Transformation of Chemistry as a Showcase for Geoanthropology</i>
17:00 – 17:30	Xinliang Feng	Invited talk: <i>tba</i>
17:00 – 19:00		Poster session with pizza Posters by • Aleksandra Pavićević • Charlett Wenig • Claudia Weidenthaler • Gianmarco Ducci • Hanieh Mianehrow • Hyun Gu Kang • Junjun Chen • Khatereh Pakzad • Kliton Cikalleshi • Thomas Berkemeier • Tugce Beyazay • Wolfgang Wagermaier/Oliver Späker/Laura Zorzetto • Yongkang Wang

22 October 2025

Time	Speaker	Talk title
9:00 – 9:30	Tobias Erb (<i>hybrid</i>)	Invited talk: <i>tba</i>
9:30 – 9:45	Frauke Gräter	Project talk: <i>Wood mechanoradicals and their role in self-repair and longevity</i>
9:45 – 10:00	Peter Benner	Project talk: <i>AI-Guided Microstructure-Oriented Alloy Design from Mixed Post-Consumer Scrap</i>
10:00 – 10:30	Bettina Lotsch	Invited talk: <i>tba</i>
10:30 - 11:00		<i>Coffee break</i>
11:00 – 11:15	Gianmarco Ducci	Project talk: <i>Interpretable Machine Learning for Degradation Reaction Network Discovery in the Catalytic Conversion of Renewable Feedstocks</i>
11:15 – 11:30	Siegfried Waldvogel	Flash talk: <i>Electro-organic Synthesis – From Discovery to Application</i>
11:30 – 11:45	Tobias Priemel	Flash talk: <i>Nature's Additive Manufacturing: The Praying Mantis Ootheca as Inspiration for Sustainable Protein Materials</i>
11:45 – 12:00	Tim Wolfgang Horner	Flash talk: <i>Sustainable chemistry for highly efficient room-temperature Na-S batteries</i>
12:00 – 13:00		Lunch
13:00 – 13:15	Constanze Neumann	Flash talk: <i>1-Step Synthesis of High-Performance Non-Noble Metal Hydrogenation Catalysts</i>
13:15 – 13:30	Florian Hartmann	Flash talk: <i>Biodegradable Soft Robots: An Ecosystem-Centered Approach</i>
13:30 – 14:00	Silvia Vignolini, Peter Fratzl & Dierk Raabe	Wrap up and outlook