**Wednesday May 29**

09:15 – 09:30  Welcome, registration  Bettina Lotsch & Thomas Bein

**Introduction & Photo-/Electrocatalysis I**  Chair: Thomas Bein

09:30 – 10:00  
**Susumu Kitagawa**  
Soft porous crystals – their dynamic structures and functions

10:00 – 10:30  
**Roland Fischer**  
MOF-derived electrocatalysts for the oxygen evolution reaction

10:30 – 11:00  
**Tom Mallouk**  
Managing electrons and protons in electrochemical energy conversion

11:00 – 11:30  
Coffee break

**Photo-/Electrocatalysis II**  Chair: Jenny Schneider

11:30 – 12:00  
**Peidong Yang**  
Nanowire photoelectrochemistry

12:00 – 12:30  
**Francesca Toma**  
Sunlight to sustainability: Advancements in solar fuels & functional materials

12:30 – 14:00  
Lunch & poster session

**Photo-/Electrocatalysis III**  Chair: Roland Fischer

14:00 – 14:30  
**Ferdi Schüth**  
Value-generating anode reactions in electrolyzers

14:30 – 15:00  
**Arne Thomas**  
Multicomponent COFs for photocatalysis

15:00 – 15:30  
**Christian Serre**  
Photoactive metal(IV) carboxylate MOFs

15:30 – 16:00  
Coffee break

**Energy Materials I**  Chair: Simon Krause

16:00 – 16:30  
**Mohamed Eddaoudi**  
Metal-organic frameworks (MOFs) as prospect adsorbents and membranes for energy-intensive separations and carbon capture

16:30 – 17:00  
**Tony Cheetham**  
Hybrid perovskite formates: From multiferroics to carbon capture

17:00 – 19:00  
Poster session

19:00 – 23:00  
Dinner
Thursday May 30

**Photophysics, Methods & Theory I**  Chair: Natalia Shustova

09:00 – 09:30  **Michal Leskes**  
From electrochemical interfaces to host guest interactions: New high sensitivity solid state NMR methods for understanding functional materials

09:30 – 10:00  **Amanda Morris**  
Exploiting rapid exciton migration in metal-organic frameworks for solar energy harvesting

10:00 – 10:30  **Sascha Ott**  
Unique opportunities presented by redox conductive MOFs

10:30 – 11:00  **Conference photo + Coffee break**

**Photophysics, Methods & Theory II**  Chair: Helge Stein

11:00 – 11:30  **Thomas Heine**  
2D materials for energy applications

11:30 – 12:00  **Karsten Reuter**  
Data-enhanced modeling of energy conversion and storage: ML with synthetic and experimental data

12:00 – 12:30  **Martijn Zwijnenburg**  
Using theory to understand the photocatalytic activity of (porous) polymers

12:30 – 14:00  **Lunch & poster session**

**Energy Materials II**  Chair: Amanda Morris

14:00 – 14:30  **Aurelio Mateo-Alonso**  
Steric congestion in covalent organic frameworks

14:30 – 15:00  **Long Chen**  
2D conjugated organic frameworks: synthesis & functions

15:00 – 16:00  **Coffee break**

16:30  
Transfer

17:00 – 23:00  **Aperitif & Dinner at La Villa + Group photo**

**Omar Yaghi**  Chair: Thomas Bein  
Chemistry for solving climate problems, fast!
Friday May 31

**Electrochemical Energy Storage I**  Chair: Karsten Reuter

09:00 – 09:30  **Sarah Tolbert**  
Fast and reversible – what nanoporous materials can do to improve electrochemical energy storage

09:30 – 10:00  **Dongyuan Zhao**  
Molecular superassembly for functional mesoporous materials and their future applications

10:00 – 10:30  **Raphaele Clement**  
Designing Co- and Ni-free cathodes for Li- and Na-ion batteries

10:30 – 11:00  *Coffee break*

**Electrochemical Energy Storage II**  Chair: Kim Jelfs

11:00 – 11:30  **Helge Stein**  
Machine Learning beyond optimization for characterization, synthesis, and orchestration

11:30 – 12:00  **Anna Fischer**  
Porous nanospheres for electrocatalysis and energy storage

12:00 – 12:30  **Bao-Lian Su**  
Pore science and engineering for energy and catalysis

12:30 – 13:30  *Lunch*

**Perspectives in Porous Materials Discovery**  Chair: Bettina Lotsch

13:30 – 14:00  **Kim Jelfs**  
Predicting assembly: Computational discovery of supramolecular systems

14:00 – 14:30  **Natalia Shustova**  
Reactivity of transition-metal and actinide-based MOFs

14:30 – 15:00  **Xinliang Feng**  
Advances in organic 2D crystals – from on-water surface chemistry to functional applications

15:00 – 15:30  **Andy Cooper**  
Non-metal organic frameworks: apohosts or apophasis?

15:30 – 16:00  *Closing remarks, coffee break & departure*  Bettina Lotsch & Thomas Bein