

Workshop "Future Perspectives in Catalysis"

Program

Confirmed speakers

Monday, 2nd September 2019

Welcome and registration:

Climate House 12:30-14:00
Lecturte hall "Kyoto"
Am Längengrad 8
27568 Bremerhaven
Phone: +49 (0)471 9020300

Lunch 13:00-14:00

Warm-up meeting for PhD students, students presentation of unexpected events in the laboraty (restricted to students) 14:00-15:30

Coffee break 15:30-16:00

Opening Remarks 16:00-16:15

Andreas Bode, BASF Ludwigshafen, Germany 16:15-17:30
Process-R&D for Carbon Management in BASF

Dinner 19:00

Tuesday, 3rd September 2019

Gianfranco Pacchioni, Università di Milano-Bicocca, Italy 9:00-9:45
Catalysts Design from First Principles Concepts, Examples, and Perspectives

Jacques C. Védrine, Sorbonne Université, Paris, France 9:45-10:30
Heterogenous Catalysis by Metal Oxides and Perspectives for the Future

Coffee break 10:30-11:00

Orr Ravitz, Chemical Abstracts Service, Columbus, USA 11:00-11:45
A Chemical Space Odyssey – Exploring Novel Molecules and Reactions using Predictive Retrosynthesis

Tobias Gensch, University of Utah, Salt Lake City, USA 11:45-12:30
Quantitative Analysis of Phosphine Properties in Catalysis

Lunch break 12.30-14:00

Eva-Marie Hey-Hawkins, University of Leipzig, Leipzig, Germany 14:00-14:45
Title to be announced

Science Slam: minutes for posters 14:45-15:30

Coffee break 15:30-16:00

Walk from the Climate House to the Atlantic Hotel Sail City 16:15

Atlantic Hotel Sail City
Am Strom 1
27568 Bremerhaven
Phone: +49 (0)471 30 990-0

Poster session 16:30-19.30

Dinner 20:00

Wednesday, 4th September 2019

Robert Schlögl, Fritz Haber Institute of the Max Planck Society, Berlin, Germany 9:00-9:45
Dynamic Heterogeneous Catalysts: A Unifying View on Catalysis Science

Swetlana Schauermann, Christians-Albrechts Universität Kiel, Kiel, Germany 9:45-10:30
Towards Ligand-directed Heterogeneous Catalysis: An Atomistic View

Coffee break 10:30-11:00

Philip Christopher, University of California, Santa Barbara, USA 11:00-11:45
Controlling the Local Coordination and Reactivity of Oxide-supported Atomically Dispersed Pt-group Species

Wojcieh Macyk, Jagielloniana University, Krakau, Poland 11:45-12:30
What Can We Really Expect from Photocatalysis?

Lunch break 12.30-14:00

Peter Wasserscheid, Friedrich-Alexander Universität Erlangen-Nürnberg, Erlangen, Germany 14:00-14:45
Novel Concepts in Supported Liquid Phase Catalysis

Olaf Brummel, Friedrich-Alexander Universität Erlangen-Nürnberg, Erlangen, Germany 14:45-15:30
Electrifying Model Catalysis: Out of the Vacuum - Into the Electrolyte

Coffee break 15:30-16:00

*Karin Lochte, German Alliance of Marine Research, GEOMAR Helmholtzzentrum für
Ozeanforschung Kiel, Kiel, Germany* 16:00-16:45
Title to be announced

Guided tour through the Climate House 17:00-18:30

Dinner 20:00

**“German Emigration Center, Museum”
(Deutsches Auswandererhaus)
Columbusstraße 65
27568 Bremerhaven
Tel: 0471 / 90 22 0 - 0**

Thursday, 5th September 2019

Lucas J. Gooßen, Ruhr-Universität Bochum, Bochum, Germany 9:00-9:45
Inventing Reactions - Catalytic Activation of C-C, C-O, C-N, and C-H Bonds

Matthias Drieß, Technical University Berlin, Berlin, Germany 9:45-10:30
**Where Synthesis Meet Emergence: Taking Advantage of the Molecular
Precursor Approach for the Evolution of Electrocatalysts**

Coffee break 10:30-11:00

Tanja Bauer, Friedrich-Alexander Universität Erlangen-Nürnberg, Erlangen, Germany 11:00-11:45
**In-situ and Operando Infrared Spectroscopy on Supported Liquid Phase
Catalysts**

Jens Anders, University of Stuttgart, Stuttgart, Germany 11:45-12:30
In-situ Electron Spin Resonance Spectroscopy Using ESR-on-a-chips Sensors

Lunch break 12.30-14:00

Fisch bowl discussion 14:00-17:00

Dinner 18:00

Friday, 6th September 2019

Think Tank

9:00-13:00

For PhD Students only

(Boat trip)

“MS Geestemünde”

Liegeplatz: Neuer Hafen

Tel: 0471 3003600