**Schedule: “Exchange of Ideas” meeting at IAS-TUM:**

**April 27th – 29th
(20 min talk + 15 min discussion)**

**Wednesday, 27. April (Chairs: Christian Damsgaard/morning – Barbara Lechner/afternoon)**

|  |  |  |
| --- | --- | --- |
| **Time** | **Name** | **Title** |
| 11:20-11:30 | Ueli Heiz | Introduction |
| 11:30-12:05 | Ke Zhang | Ammonia synthesis over clusters/NP |
| 12:05-12:40 | Sebastian Kaiser | Cluster reactivity CO-Oxidation |
| 12:40-14:00 | *Lunch – Discussions/Lab visits* |
| 14:00-14:35 | Julius Lucas Needham | TPD of NP and SAC and DAC |
| 14:35-15:10 | Philip Petzoldt  | Fundamental mechanisms in photocatalysis |
| 15:10-15:45 | Jerome Vernieres | OER and HER on NP |
| 15:45-16:15 | *Coffee Break - Discussion* |
| 16:15-16:50 | Martin Tschurl | CH4/CO2 activation of free Tan+ and TanOm+-clusters |
| 16:50-17:25 | Chao Wei | OER catalysis |
| 17:25-18:30 | *Lab visits* |
| 19:00 | *Dinner in Garching* |

**Thurday, 28. April (Chairs: Peter Vesborg/morning, Jakob Kibsgaard/afternoon)**

|  |  |  |
| --- | --- | --- |
| **Time** | **Name** | **Title** |
| 9:00-9:35 | Degenhart Hochfilzer | CO2 electrohydrogenation on Cu mass-selected NP and HER on MoC using sniffer setup |
| 9:35-10:10 | Johanna Eichhorn  | Scanning probe microscopy for nanoscale characterization of energy materials |
| 10:10-10:45 | Alexander Juul Nielson | Electrochemistry of single atoms and dimers |
| 10:45-11:15 | Coffee Break - Discussion |
| 11:15-11:50 | Clara Aletsee | Gas- & liquid phase μ-reactors |
| 11:50-12:25 | Lau | Modelling reactors |
| 12:25-14:00 | Lunch – Discussion/Lab visits |
| 14:00-14:35 | Friedrich Esch  | Size-selected cluster preparation via POMs |
| 14:35-15:10 | Robert Stevens-Boyd | Methanol synthesis over copper mass-selected NP in microreactors |
| 15:10-15:40 | Coffee Break - Discussion |
| 15:40-16:15 | Alexander Krabbe | CO oxidation over Au and AuTi mass-selected NP in microreactors |
| 16:15-18:00 | Lab visits |
| 19:00 | Dinner in Munich |

**Friday, 29. April (Chairs: Ian Sharp/morning, Ueli Heiz/afternoon)**

|  |  |  |
| --- | --- | --- |
| Time | Name | Title |
| 9:00-9:35 | Olivier Bienek | ALD-TiO2 for photocathode protection |
| 9:35-10:10 | Alex Henning:  | Ongoing work on 2D materials, semiconductor interface passivation via ALD |
| 10:10-10:40 | *Coffee Break - Discussion* |
| 10:40-11:15 | Laura Wagner | Novel Transition metal nitride photoelectrode materials |
| 11:15-11:50 | Matthias Krinninger | Preparation and characterization of carbonitriles on surfaces |
| 11:50-12:25 | Rikke Plougmann | STM of SAC and DAC |
| 12:25-14:00 | *Lunch – Discussion/Lab visits* |
| 14:00-14:35 | Johanna Plansky  | Stability and Sintering of clusters |
| 14:35-15:10 | Filippo Romeggio | Microreator and Microscopy |
| 15:10-15:20 | Ib Chorkendorff | Conclusions |
| 15:20 | *Departure to the airport* |