

5th BIG-NSE Workshop and UniCat New Year Reception

Please note updates of events on www.unicat.tu-berlin.de

Friday, January 6th, 2012

Location: TU Berlin, C130, Building C, Strasse des 17. Juni 115, 10623 Berlin

| Time | Lecturer | Program | Work Group |
|--------------|------------------------|--|------------|
| 12:50-13:00 | Reinhard Schomäcker | Introduction BIG-NSE Director | |
| | Christian Limberg | Session moderation: | |
| 13:00-13:20 | Matthias Parthey | Investigations of catalytically active open-shell systems using modern density functional methods | Kaupp |
| 13:20-13:40 | Daniel Gallego | Novel pincer metal complexes based on low-valent Si and Ge compounds for activation of small molecules | Driess |
| 13:40-14:00 | Gengwen Tan | Tailoring silica support for catalysts by introducing heavy chalcogen elements (S, Se, Te) | Driess |
| 14:00-14:20 | | Coffee Break | |
| | Peter Strasser | Session moderation: | |
| 14:20-14:40 | Hong Nhan Nong | Synthesis and characterization of core-shell oxide nanoparticles for electrochemical water splitting | Strasser |
| 14:40-15:00 | Moritz Baar | The use of graphitic carbon nitride (g-C ₃ N ₄) in organic synthesis | Blechert |
| 15:00-15:20 | Fanni Daruny Sypaseuth | Immobilisation of transition metal redox catalysts for electrochemical CO ₂ reduction | Tzschucke |
| 15:20-15:40 | | Coffee Break | |
| | Nediljko Budisa | Session moderation: | |
| 15:40-16:00 | Linyu Jiao | Oxidative palladium(II)-catalyzed cyclizations onto alkeness | Oestreich |
| 16:00-16:20 | Laura Vieweg | Biosynthesis of abyssomicin homologues: formation of unusual polyketides | Süßmuth |
| 16:20-16:40 | Xunhua Zhao | Activation of small molecules on transition Metal-MgO and CaO ternary oxides: a density functional study | Scheffler |
| 16:40-17:00 | | Coffee Break | |
| | Reinhard Schomäcker | Session moderation | |
| 17:00-17:20 | Patrick Littlewood | Model catalysts for the dry reforming of methane | Schomäcker |
| 17:20-17:40 | Setarehalsadat Sadjadi | Analysis of OCM performance in a fluidized bed membrane reactor | Wozny |
| around 17:45 | | UniCat New Year reception Galery 1st floor, Building C, TU Berlin | |

Guests are cordially invited to attend!

Prof. Dr. Matthias Driess, Chair of the Cluster of Excellence UniCat