

Norwegian Catalysis Symposium 2011 - Final Program

Joint sessions are organized in Room 2 Hall A1; the catalysis sessions in Room 3 Hall A1

Wednesday September 28. 2011

- 09.30-10.00 Registration and coffee
- 10:00-10:15 Opening proceedings and Guldberg-Waage ceremony
Kenneth Ruud - President of the Norwegian Chemical Society
- 10:15-11.00 Industry lecture:
Arne Berg - previously at GE Healthcare
In vivo diagnostika - Lett synlig kjemi
- 11:00-12:00 **John Emsley** - University of Cambridge
A healthy, wealthy sustainable world
- 12:00-14:00 Lunch and time to visit the Laboratory fair

Ordstyrer: Unni Olsbye - UiO
- 14:00-15:00 **Anders Holmen** - NTNU
Alumina Supported Co Catalysts for Fischer-Tropsch Synthesis. Effect of Particle Size and Alumina Modifications on Activity and Selectivity
- 15:00-15:30 Coffee break

Ordstyrer: Stian Svelle - UiO
- 15:30-16:10 **Richard H. Heyn** - SINTEF
Chemistry for the Conversion of CO₂
- 16:10-16.30 **Margaret L. Scheuermann** - University of Washington
Metal-Ligand Cooperativity in O₂ Activation: Observation of a "Pt-O-O-C" Peroxo Intermediate
- 16:30-16:50 **Fredrik R. Hansen** - University of Bergen
Ruthenium metathesis catalysts bearing 2-substituted β -carboline ligands
- 17:00 Happy hour!
- 19:00 Dinner

Thursday September 29. 2011

- 09:00-10:00 **Frode Brakstad** - Tel-Tek
Smart produksjon – en ny norsk standard for analyse av data vha kjemometri og Six Sigma?
- 10:00-10:30 Coffee break
- Ordstyrer: Morten Bjørgen - NTNU
- 10:30-10:50 **Edd A. Blekkan** - NTNU
Hydrogen adsorption on supported cobalt catalysts for the Fischer-Tropsch synthesis studied by microcalorimetry
- 10:50-11:10 **Einar A. Eilertsen** - University of Oslo
Nonaqueous Fluoride/Chloride Anion-Promoted Delamination of Layered Zeolite Precursors: Exfoliation of PREFER
- 11:10-11:30 **Shewangizaw Teketel** - University of Oslo
Shape Selectivity in the Conversion of Methanol-to-Hydrocarbon (MTH): the Catalytic Performance of One-dimensional 10-ring Zeolites: ZSM-22, ZSM-23, ZSM-48 and EU-1
- 11:30-12:00 Annual meeting of the Catalysis group of the Norwegian Chemical Society
- 12:00-13:00 Lunch and time to visit the Laboratory fair
- 13:00-14:00 Manned poster session
- Ordstyrer: Edd Blekkan - NTNU
- 14:00-14:20 **Jun Zhu** - NTNU
Selective C-H and C-C Bond Activation of Propane on Platinum Nanoparticles with Different Sizes and Shapes
- 14:20-14:40 **Naresh B. Muddada** - University of Oslo
FTIR, EXAFS and Kinetic studies on CuCl₂ based catalyst for Oxychlorination of Ethylene
- 14:40-15:00 **Radostina Palcheva and Marian Palcut** - University of Oslo
Partial oxidation of methane to synthesis gas over Rh promoted perovskite based catalysts
- 15:00-15:30 Coffee break

Poster session - Thursday September 29, 2011 13:00-14:00

The participants are invited to leave their posters hanging for the duration of the meeting

P2-Ka: *Computational study of zeolite dealumination and formation of silanol nests*
Stian Svelle, University of Oslo

P3-Ka: *H-SAPO-5 as model catalyst in methanol-to-hydrocarbons (MTH) research: Does lower acid strength cause a shift in olefin formation mechanisms?*
Marius Westgård Erichsen, University of Oslo

P4-Ka: *Investigation of Reaction Network in Ethanol Steam Reforming over Ni/Mg-Al Catalyst: The Intermediates*
Guangming Zeng, University of Oslo

P5-Ka: *Synthesis and characterization of platinum-containing UiO-67 Zr-based metal organic framework*
Sigurd Øien, University of Oslo

P6-Ka: *Zeolite membranes for selective CO₂-separation*
Nelli Pfaff, University of Oslo

P7-Ka: *A study of chain termination and propagation on 20%Co/CNT Fischer Tropsch catalyst*
Jia Yang, NTNU

P8-Ka: *Two step low temperature methanol synthesis*
Klaus-J. Jens, Høgskolen i Telemark

P9-Ka: *Synthetic Methods in Gold(III) Chemistry*
Eirin Langseth, University of Oslo

PX-Ka: *Silicon island in SAPO materials: Thermodynamic consideration from atomistic modeling* Mahsa Zokaie, University of Oslo