

Haftell 2002

Programme:

Thursday 28.11.2002

12:00 Lunch

13:30 Welcome

Session 1: Supported metal catalysts

13:40 Hilde Venvik, SINTEF:
"Propane to hydrogen via step-wise catalytic reactions"

✓ 14:00 Kjersti Omdahl Christensen, NTNU:
"Carbon formation on Ni catalysts during steam reforming of methane"

14:20 Anja Olafsen, SINTEF:
"CO₂ reforming of propane over hydrotalcite-derived catalysts"

✓ 14:40 Heidi Mollan Jensen, UiO:
"Mechanism for reconstruction of hydrotalcite"

✓ 15:00 Sindre Lillehaug, UiB:
"Catalytic dehydrogenation of ethane over Cr/Silica"

✓ 15:20 Bozena Silberova, NTNU:
TAP study – Low temperature oxidation of ethane over Pt/Al₂O₃"

15:40 Coffee break

Session 2: Metal complex catalysts

16:20 Mats Tilset, UiO:
"Hydrocarbon activation and functionalisation using transition metal catalysts"

✓ 16:40 Olivier Graziani, SINTEF:
"Metal complex catalysis in conversion of natural gas to value-added products"

? 17:00 Bror J. Wik, UiO.
"Investigating the protonation of Pt(II) dialkyl complexes by low temperature NMR"

17:20 General assembly, NKS catalysis group

20:00 Dinner

Friday 29.11.2002

9:00 **Invited lecture**

Session leader: Prof. Anders Holmen, NTNU

Bert Weckhuysen, Utrecht University:

"Snapshots of a working catalyst: Probing catalytic solids with *in situ* spectroscopy"

10:00 Coffee break

10:20 **Session 3: Acid type catalysts**

10:20 Karl Petter Lillerud, UiO:

"Metallosilicates, a new generation of open framework catalysts?"

✓ 10:40: Bjørnar Arstad, UiO:
"A combined experimental and theoretical approach to the methanol to hydrocarbon mechanism"

✓ 11:00 Stian Svelle, UiO:
"A theoretical study of the conversion of halomethanes to hydrocarbons over acidic catalysts"

11:20 Coffee break

11:40 **Session 4: Applied catalysis**

11:40 Kjell Moljord, Statoil:

"Bimetallic naphtha reforming catalysts – fundamentals and practice"

⊂ 12:00 Erlend Bjørgum, NTNU:
"Study of a nickel catalyst – from model to real catalyst"

✓ 12:20 Lenka Stepankova, UiO:
"Reconstruction of metal-alloy platinum-metal catalysts during oxidation of ammonia"

✓ 12:40 Zhixin Yu, NTNU:
"Catalytic growth of carbon nanofiber and its characterisation"

✎ 13:00 Lunch

14:15 Bus departure for Gardermoen and Oslo