

Finnish Young Scientist Forum for Catalysis

Friday, April 8, 2016 at Labour Museum Werstas, Tampere, Finland

10.00 **Welcoming address**

10.15 **Keynote lecture:** Biomass transformation: from fractionation to synthesis, Dr. Mats Kåldström, Neste

10.45 **Prize winner's lecture**

11.15 **Presentations of PhD theses** (à 12 min), chairmen prof. Juha Lehtonen (VTT) & prof. Tapio Salmi (ÅA)
Zouhair El Assal, Univ. of Oulu: "Catalytic oxidation of dichloromethane over powder and monolithic catalysts"
Irene Coronado, VTT: "Aqueous-phase reforming of methanol over nickel-based catalysts"
Ali Najarnezhadmashhadi, Åbo Akademi: "Development of new structured catalyst and reactor technologies for biomass conversion"
Anass Mouammime, Univ. of Oulu: "Catalytic partial oxidation of Methanol and Methyl mercaptan-Vanadium supported catalysts properties"
Andrea Pérez Nebreda, Åbo Akademi: "Continuous Hydrolysis of Inulin with a Heterogeneous Catalyst"

12.15 **Lunch and networking**

13.15 **Presentations of PhD theses** (à 12 min), chairmen prof. Dmitry Murzin (ÅA) & Dr. Matti Reinikainen (VTT)
Anne Heponiemi, Univ. of Oulu: "Catalytic wet air oxidation of industrial wastewaters"
Ari Väliheikki, Univ. of Oulu: "Resistance of catalytic materials towards chemical impurities"
Bouchra Darif, Univ. Of Oulu: "Catalytic oxidation of Dimethyldisulfide (DMDS) over Pt-Cu catalysts supported materials"
Erfan Behraves, Åbo Akademi: "Catalytic Screening for Heterogeneous Gold Catalysts for Gas Phase Oxidation of Ethanol using Tubular Reactor"
Heikki Harju, Aalto University: "Renewable hydrogen from steam reforming of n-butanol over zirconia nanofiber supported Rhodium catalysts"
Johanna Hakonen, Aalto University "Lignin Depolymerisation with Hydrogen over Noble Metal Catalysts"
Johanna Kihlman, VTT: "Carbon formation in the steam reforming"

14.40 **Coffee break**

14.55 **Presentations of PhD theses** (à 12 min) Chairmen Dr. Narendra Kumar (ÅA) & Dr. Satu Ojala (OU)
Karolina Maduna Valkaj, Åbo Akademi: "Catalytic screening of Cu-MCM-22 and Cu-MCM-36 catalysts in peroxidation of 4-(2-Hydroxyethyl)phenol"
Nemanja Vucetic, Åbo Akademi: "Supported ionic liquid catalyst (SILCA) for preparation of valuable organic chemicals by Heck reaction"
Niina Koivikko, Univ. of Oulu: "Oxidation of methanol and methyl mercaptan to formaldehyde over vanadia and titania based catalysts"
Noora Kaisalo, VTT: "Steam reforming of benzene in biomass gasification gas cleaning"
Minna Pirilä, Univ. of Oulu: "Photocatalysis in water treatment"

15.55 **Short break**

16.00 **Presentations of PhD theses** (à 12 min), chairmen Dr. Narendra Kumar (ÅA) & Dr. Satu Ojala (OU)
Salla Jaatinen, Aalto University: "Liquid phase furfural hydrotreatment to fuel component 2-methylfuran over carbon supported metal catalysts"
Vladimir Shumilov, Åbo Akademi: "Development of structured reactors for transformation of biomass components to high-value products"
Yuwei Bie, Aalto University: "Catalytic hydro-deoxygenation of fatty acid esters: reaction mechanism and kinetic modeling"
Soudabeh Saeid, Åbo Akademi: "Catalytic degradation of pharmaceuticals by ozonation"
Yaseen Khan, Aalto University: "1-Butanol oxidation over TiO₂ supported Au-Pd catalysts in coated microchannel reactor"

17.00 **Museum visit/ Annual meeting of Finnish Catalysis Society**

18.00-19.00 **Cocktail Party**