

11.00-11.10 Opening

11.10-11.40 Teuvo Maunula: *Efficient Research and Development of Commercial Emission Catalysts*

11.40-12.10 Karoliina Honkala: *Selectivity in computational heterogeneous catalysis*

12.10-13.00 Lunch

13.00-15.00 Presentations by PhD students and post-doctoral researchers:

1. Nemanja Vucetic: *Stabilization of Supported Ionic Liquid Catalyst (SILCA) for green Heck reaction*
2. Soudabeh Saeid: *Catalytic ozonation and non-Catalytic ozonation of ibuprofen*
3. Salla Jaatinen: *Ni- and CuNi-modified activated carbons and ordered mesoporous CMK-3 for 2-methylfuran production by furfural hydrotreatment*
4. Tuomas Nevanperä: *Technology development for catalytic oxidation of harmful compounds emitted by industry*
5. José Luis González Escobedo: *Hydrodeoxygenation of γ -Nonalactone on Pt-Ce-Zirconia and Pt-La-Zirconia Catalysts*
6. Yingnan Zhao: *Carbon Oxide on Monoclinic ZrO₂ Nanorods*
7. Andrey Bazhenov: *Genetic algorithm as a tool model wetting of zirconia by Rh and Pt clusters*
8. Francisco Vidal Vázquez: *Catalyst testing and kinetic modelling for Reverse Water-Gas Shift for Fischer-Tropsch Synthesis applications*
9. Marko Melander: *Towards realistic description in computational electrochemistry*

15.00-15.15 Coffee break

15.15-17.00 Presentations by PhD students and post-doctoral researchers

10. Kalle Lagerblom: *Nitroxyl radical catalyzed selective aerobic oxidation of alcohols into respective aldehydes and ketones*
11. Erfan Behravesht: *Gold Catalyst for Oxidation of Ethanol Using Tubular Fixed Bed and Micro Reactor*
12. Laura Svärd: *Oxidative catalysis of lignin and lignin model compounds with methyltrioxorhenium (MTO) and H₂O₂/O₂ in glacial acetic acid and aqueous solution*
13. Imane Hachemi: *Fatty acids hydrodeoxygenation over sulfur-free Ni catalyst*
14. Adriana Freites: *Epoxidation of vegetable oils under microwave irradiation, process intensification for biomass conversion*
15. Johanna Kihlman: *Development of intensified reactors from lab to bench scale*
16. Andrea Nebreada: *High purity fructose from inulin with a heterogeneous catalyst – From batch to continuous operation*

17.00-18.00 Annual Meeting of Finnish Catalysis Society

18.00-19.00 Dinner Buffet