

Program Thursday 9/10

- 14:00-14:45 General Assembly in the Danish Electrochemical Society
- 14:45-14:50 Welcome by Johan Hjelm (Chairman)
- 14:50-15:35 Invited speaker: *Jesper H. Wandrup*, R&D Radiometer Aps: A clinical and Analytical Review of Electrochemical Sensor Development in Radiometer in Relation to Optimal Monitoring of Critically ill Patients
- 15:35-16:20 Invited speaker: *Lo Gorton*, Professor, Department of Biochemistry and Structural Biology, Lund University, Sweden: Electrochemical Communication between Bacterial Cells/Biological Membranes and Electrodes
- 16:20-16:40 Coffee break**
- 16:40-17:00 *Svava Daviðsdóttir*, DTU – Division of Materials and Surface and Engineering: Interfacial structure and photocatalytic activity of magnetron sputtered TiO₂ on conducting metal substrates
- 17:00-17:20 *Kirill Bordo*, DTU: Electrochemical profiling of multi-clad aluminium sheets used in automotive heat exchangers
- 17:20-17:40 *Visweswara Gudla*, DTU – Department of Mechanical Engineering: Anodizing of Al-Zr and Al-Ti model alloys: Microstructure and Optical appearance
- 17:40-18:00 *Iosif Fromondi*, Metrohm Autolab B.V. : Measuring raw signals in electrochemical impedance spectroscopy
- 18:00 Dinner**

Program Friday 10/10

- 09:00-09:45 Invited speaker: *Dermot Diamond*, Professor, Co-founder and Director of the National Centre for Sensor Research, Dublin City University, Ireland: Calixarenes as ionophores in ion-selective electrodes
- 09:45-10:30 Invited speaker: *Tim Albrecht*, Associate Professor, Imperial College London – Department of Chemistry: Functionalized solid-state nanopores for biosensing applications
- 10:30-10:50 Coffee break**
- 10:50-11:10 *Chiara Canali*, DTU – Department of Micro-and Nanotechnology: Impedance-based detection for facing new challenges in biotechnology – Enhanced 3D sensing, conductometry and electrode functionalization
- 11:10-11:30 *Christopher Schulz*, Lund University – Department of Biochemistry and Structural Biology: A cellobiose dehydrogenase biosensor tuned by cations to study the decomposition of lactose/ibuprofen containing tablets
- 11:30-11:50 *Kamrul Hasan*, Lund University: Photo-microbial fuel cell based on cyanobacteria for harnessing solar energy
- 11:50-12:10 *Torben Lund*, RUC: Modification of TiO₂-based dye-sensitized solar cell photo anodes by chemical and electrochemical grafting strategies

12:10-13:30 Lunch and poster session

13:30-13:50 *Masoud Taleb*, TUT Department of Materials Engineering: Oxygen electroreduction on platinum nanoparticles deposited on D-glucose derived carbon

13:50-14:10 *Ioannis Spanos*, KU Nano-science Center: Structural disordering of de-alloyed platinum bimetallic nanocatalysts – Its role on oxygen reduction reaction activity and nanoparticle stability

14:10-14:30 *Aleksey Nikiforov*, DTU Department of Energy Conversion and Storage: Non-Pt catalysts for intermediate temperature water electrolysis

14:30-14:50 Coffee break

14:50-15:10 *Kristian Bastholm Knudsen*, DTU Department of Energy Conversion and Storage: A Study of e-transportation through Li_2O_2 , the main discharge product in the Li-O₂ battery

15:10-15:30 *Daniel Minzari*, IPU: Electrochemical preparation of injection moulding tools for micro- and nanostructuring

15:30-15:50 *Marie Lund Traulsen*, DTU Energy Conversion: In operando raman spectroscopy as a tool for investigation of solid oxide electrodes

15:50-16:00 Closing remarks