

# Programme

## 17 June

- 11.30                    **Registration and lunch**
- 13.00                    *Welcome*  
Sven Lidin, Lund University, Sweden
- Session I: Coordination chemistry and catalysis**  
                              *Chair person: Lars Öhrström*
- 13.05                    *Carbon-element bond forming reactions with organo-f-block complexes*  
Polly Arnold, University of Edinburgh, United Kingdom
- 13.50                    *Coupling a ruthenium-based photosensitizer to a cobalt-based water oxidation catalyst*  
Anders Thapper, Ångström Laboratory, Uppsala University, Sweden
- 14.10                    *Synthesis of platinum complexes with 2,2'-dipyridylmethane*  
Alexander N. Chernyshev, University of Jyväskylä, Finland
- 14.30                    *Tetrathiafulvalene (TTF) based ligands and complexes*  
Narcis Avarvari, Université d'Angers, France
- 15.00                    **Coffee and postersession**
- 15.30                    *Ortho-Metalation Dynamics of a Diphosphine Ligand at a Triosmium Cluster:  
Reversible Formation of an Unsaturated Intermediate with an Inverse Isotope Effect*  
Michael Richmond, University of North Texas, United States
- 16.00                    *C-H bond oxidative functionalization using supported Pd-NHC catalysts*  
Ekaterina Bolbat, Lund University, Sweden,
- 16.20                    *Responsive luminescent probes for biological applications*  
Eszter Borbas, Uppsala University, Sweden
- 17.00-19.00            **Beer and postersession**
- 19.00                    **Get-together-party**
- 21.00-21.30            Annual meeting of the Inorganic chemistry section within the Swedish Chemical Society

## 18 June

### Session II: Solid state inorganic chemistry

Chair person: Kersti Hermansson

- 08.35 *Pushing X-ray electron densities to the limit: chemical bonding studies of inorganic materials*  
Bo Brummerstedt Iversen, Aarhus University, Denmark
- 09.20 *Low temperature synthesis of monodisperse TiO<sub>2</sub> nanoparticles - Growth mechanism*  
Zareen Abbas, University of Gothenburg, Sweden
- 09.40 *Site Preference and Ordering Induced by Au Substitution in the  $\gamma$ -Brass Related Complex Au-Mo-Zn Phases*  
Partha Jana, Lund University, Sweden
- 10.00 **Coffee and postersession**
- 10.30 *Oxohalides comprising p-block lone-pair elements*  
Mats Johnsson, Stockholm University, Sweden
- 11.10 *Syntheses optimization, structural and thermoelectric properties of 1/1 Tsai-type quasicrystal approximants in RE-Au-SM systems (RE = Yb, Gd and SM = Si, Ge)*  
Girma Hailu Gebresenbut, Ångström laboratory, Uppsala University, Sweden
- 11.30 *Inorganic and organometallic materials for novel Li-ion batteries*  
Daniel Brandell, Ångström Laboratory, Uppsala University, Sweden
- 11.50 *Low temperature CVD of boron-carbon films for use in neutron detectors*  
Henrik Pedersen, Linköping University, Sweden
- 12.10 *SynthWAVE- The Game Changer in Microwave Synthesis*  
Mikael Alfredsson, Kovalent AB, Sweden
- 12.40 **Lunch**
- Session III: New opportunities for inorganic chemistry**  
Chair person: Xiaodong Zou
- 14.00 *What can ESS bring to inorganic chemistry research?*  
Paul Henry, ESS AB, Lund, Sweden
- 14.30 *MAX IV Three years from inauguration – A status report*  
Yngve Cerenius, MAX IV
- 15.00 *ARTEMI - Atomic Resolution TEM Infrastructure Network of Sweden*  
Gunnar Svensson, ARTEMI, Sweden
- 15.30 **Coffee and postersession**
- Session IV: Fuel cells**  
Chair person: Ola Wendt
- 16.10 *Structure and dynamics in ionic liquid-derived materials*  
Anna Martinelli, Chalmers University of Technology, Gothenburg, Sweden

- 16.50 *Role of B-site ion on Proton Conduction in Acceptor-doped  $\text{Sm}_2\text{B}_2\text{O}_{7-\delta}$  ( $B = \text{Ti}, \text{Sn}, \text{Zr}$  and  $\text{Ce}$ ) Pyrochlores and C-type Compounds*  
Christopher Knee, Chalmers University of Technology, Gothenburg, Sweden,
- 17.10-17.30 *Synthesis and characterization of the Ruddlesden-Popper phases  $\text{Sr}_{3-x}\text{Mx}(\text{Fe}_{1.25}\text{Ni}_{0.75})\text{O}_{7-\delta}$ ,  $M = \text{Y}$  and  $\text{Pr}$  for use as cathode materials in intermediate-temperature solid oxide fuel cells*  
Louise Samain, Stockholm University, Sweden
- 18.30 **Conference dinner with visit to “Ålakungen”**

## 19 June

### Session V: Transition metal chemistry and theory

Chair person: Vadim Kessler

- 08.35 *New approaches to molecule-based magnetic materials*  
Jesper Bendix, University of Copenhagen, Denmark
- 09.20 *Cooperative Binding of Acetylenic Phosphaalkenes towards Gold Nanoparticles*  
Andreas Orthaber, Uppsala University, Sweden
- 09.40 *Chemically Meaningful Quantification of Lone Pair Domains*  
Martin Rahm, University of Southern California (USC), Los Angeles, United States
- 10.00 **Coffee and postersession**
- 10.30 *Iron, a key element in geochemical processes*  
Per Persson, Umeå University, Sweden
- 11.10 *Supercharged oxygen storage capacity of ceria at the nano-scale*  
Peter Broqvist, Uppsala University, Sweden
- 11.30 *Some structural motifs in heavy-element inorganic chemistry*  
Pekka Pyykkö, University of Helsinki, Finland
- 12.15 *Concluding Remarks*  
Ola Wendt, Lund University, Sweden
- 12.30 **Lunch**
- Departure**