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 Edingburgh, 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 TiO₂ nanoparticles - Growth mechanism
Zareen Abbas, University of Gothenburg, Sweden

09.40 Site Preference and Ordering Induced by Au Substitution in the γ-Brass Related Complex Au–Mo–Zn Phases
Partha Jana, Lund University, Sweden

10.00 Coffee and poster session

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 poster session

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 Sm2B2O7-δ (B = Ti, Sn, Zr and 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 Sr3.3Mx(Fe1.25Ni0.75)O7-δ, M = Y and 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”*

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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