Program

17 June

11.30  Registration and lunch

13.00  Welcome  
Sven Lidin, Lund University

Session I: Coordination chemistry and catalysis  
Chair person:

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, Jyväskylä, Finland

14.30  Tetrathiafulvalene (TTF) based ligands and complexes  
Narcis Avarvari, Université d’Angers, Angers, France

15.00  Coffee and poster session

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, Lund, Sweden

16.20  Responsive luminescent probes for biological applications  
Eszter Borbas, Uppsala University, Uppsala, Sweden

17.00-19.00  Beer and poster session

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:

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, 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, Lund, 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, Uppsala, Sweden

11.30  Inorganic and organometallic materials for novel Li-ion batteries
Daniel Brandell, Ångström Laboratory, Uppsala University, Uppsala, Sweden

11.50  Low temperature CVD of boron-carbon films for use in neutron detectors
Henrik Pedersen, Linköping University, Linköping, Sweden

12.10  SynthWAVE- The Game Changer in Microwave Synthesis
Mikael Alfredsson, Kovalent AB

12.40  **Lunch**

14.00  Session III: New opportunities for inorganic chemistry
Chair person:

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

15.30  **Coffee and postersession**

16.10  Session IV: Fuel cells
Chair person:

16.10  Structure and dynamics in ionic liquid-derived materials
Anna Martinelli, Chalmers, Gothenburg, Sweden

16.50  Role of B-site ion on Proton Conduction in Acceptor-doped Sm\(_{2}\)B\(_2\)O\(_{7-\delta}\) (B = Ti, Sn, Zr and Ce) Pyrochlores and C-type Compounds
Christopher Knee, Chalmers, Gothenburg, Sweden

17.10-17.30  Synthesis and characterization of the Raddersden-Popper phases Sr\(_{2}\)Mx(Fe\(_{1.25}\)Ni\(_{0.75}\))O\(_{2-\delta}\), 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”**
19 June

Session V: Transition metal chemistry and theory
Chair person:

08.35  
*New approaches to molecule-based magnetic materials*
Jesper Bendix, Department of Chemistry, University of Copenhagen, Denmark

09.20  
*Cooperative Binding of Acetylenic Phosphaalkenes towards Gold Nanoparticles*
Andreas Orthaber, Uppsala University, Uppsala, 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 postersonsession**

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, Uppsala, Sweden

11.30  
*Some structural motifs in heavy-element inorganic chemistry*
Pekka Pyykkö, University of Helsinki, Helsinki, Finland

12.15  
*Concluding Remarks*
Ola Wendt, Lund University

12.30  
**Lunch**

**Departure**