

## Conference Programme

---

### Wednesday 25 February

- 16:30 - 17:30 **Registration (Conference room lobby)**
- 17:45 - 18:00 **Opening Remarks**
- 18:00 - 19:25 **Session 1**
- 18:00 **J. Paul Attfield**  
*High Pressure Synthesis of New Electronic Materials*
- 18:45 **Alain Tressaud**  
*Low-temperature form of  $A_2BMF_6$  elpasolites: the first example of a perovskite-derived structure with pentagonal bipyramid in the B sublattice*
- 19:05 **Group dinner reception**
- 

### Thursday 26 February

- 09:00 - 10:25 **Session 2**
- 09:00 **Matt Rosseinsky**  
*Oxide materials with high ionic mobility*
- 09:45 **Kenji Morita**  
*Ion Beam Analysis Study of Production and Storage of Hydrogen by Use of Catalytic Functions of Oxide Ceramics and Metals*
- 10:05 **Agnieszka Held**  
*Synthesis of transition oxides for catalysis*
- 10:25 - 10:55 **Informal discussion and refreshments**
- 10:55 - 12:30 **Session 3**
- 10:55 **Bengt-Erik Mellander**  
*Polymer Electrolytes for Photo-electrochemical Solar Cells*
- 11:15 **Stanislaw Kowalak**  
*Ultramarine analogs prepared from zeolites*
- 11:35 **Soon Yoon**  
*Realization of a high dielectric constant in percolative bismuth-based pyrochlore multilayer film capacitors at room temperature*
- 11:55 - 16:00 **Group lunch and free time**

- 16:00 - 17:45**    **Session 4**
- 16:00**    **Warren Pickett**  
*Electron behavior and misbehavior at oxide interfaces and surfaces*
- 16:45**    **Olivier Mentre**  
*Magnetic Building Game by Block Assembly in new Cobalt Oxides and Oxy-halides*
- 17:05**    **Emma McCabe**  
 *$\text{Li}_x\text{Co}_{1-x}\text{O}$  solid solution and a new  $\text{CoO-LiCoO}_2$  intermediate phase*
- 17:25 - 17:55**    **Informal discussion and refreshments**
- 17:55 - 19:30**    **Session 5**
- 17:55**    **Nahum Maso**  
*Polymorphism and Electrical Properties of undoped and doped  $\text{BaTiO}_3$*
- 18:15**    **Stefano Leoni**  
*Understanding Structural Phase Transformations in Solids by Simulations: An Overview*
- 18:35**    **Furimasa Horikiri**  
*Defect Chemistry for Design Concept of Interface Characteristics on High-Temperature Photo-Electronic Devices using  $\text{SrTiO}_3$*
- 18:55**    **Annette Bussman-Holder**  
*Order / Disorder versus or with Displacive Dynamics in Ferroelectric Systems*
- 19:15**    **Dinner**

---

## Friday 27 February

- 09:00 - 10:15**    **Session 6**
- 09:00**    **Alois Loidl**  
*Frustrated Lattices in Spinel Compounds*
- 09:45**    **Edmund Cussen**  
*The Jahn Teller effect in Molybdate Perovskites*
- 10:05**    **Kim Doan Troung**  
*The importance of 3d cation ordering on the physical properties of double perovskites  $\text{La}_2\text{BMnO}_6$  (B=Co,Ni)*
- 10:25 - 10:55**    **Informal discussion and refreshments**
- 10:55 - 12:30**    **Session 7**
- 10:55**    **Natalyia Murafa**  
*The photocatalytic monodispersed spindle-like nanoparticles of titania*
- 11:15**    **Speranta Tanasescu**  
*Energetic parameters controlling the properties of micro and nanostructured transition metal oxides*
- 11:35**    **Jana Bludska**  
*igments base on kaolinite coated with the metal oxides*

- 11:55 Tyrel McQueen**  
*Extreme Sensitivity of Superconductivity to Stoichiometry in FeSe*
- 12:15 - 16:30 Group lunch and free time**
- 16:30 - 19:15 Session 7**
- 16:30 Shoji Yamanaka**  
*Structure and Superconductivity of Electron-Doped Layer Structured Nitrides MNCl (M = Ti, Zr, Hf)*
- 17:15 Claudia Felser**  
*The challenge of magnetism in strongly correlated open shell 2p-systems:  $Rb_xO_6$*
- 17:35 Athena Sefat**  
*The new Fe-based Superconductors*
- 17:55 - 19:30 Poster Session**
- 19:30 Group dinner**
- 

## Saturday 28 February

- 09:00 - 09:55 Session 8**
- 09:00 TBC**  
*TBC*
- 09:45 TBC**  
*TBC*
- 10:05 TBC**  
*TBC*
- 10:25 TBC**  
*TBC*
- 10:45 Free time, lunch and depart**
-