

Time Schedule-Program

Monday 24.08.2015

Time		Event	LECTURER		TOPIC	TITLE
08.30 – 08.50 Opening						
CHAIR: Grin Yuri						
08.50 – 09.30	PL1	Plenary Lecture1	Steurer	Walter	Intermetallics	Statistics of intermetallics - some remarkable findings
09.30 – 09.55	IL1	Invited Lecture1	Pay Gómez	Cesar	Intermetallics	Icosahedral Quasicrystals and Approximants
09.55 – 10.15	O1	Short Lecture1/1	Hoch	Constantin	Intermetallics	Polar metal-metal bonding in intermetallic phases from electrocrystallisation near room temperature
10.15 – 10.35	O2	Short Lecture1/2	Ponou	Simeon	Intermetallics	Conflict management: Lessons from Intermetallic Chemistry
10.35 – 11.00 Coffee Break1						
Time		Event	LECTURER		TOPIC	TITLE
CHAIR: Delahaye Emilie						
11.00 – 11.40	PL2	Plenary Lecture2	Maignan	Antoine	Functional materials	Thermoelectric or multiferroic oxides and sulfides : 2D versus 3D magnetic materials
11.40 – 12.05	IL2	Invited Lecture2	Señaris-Rodríguez	María Antonia	Functional materials	Electric order and magnetism in hybrid organic-inorganic compounds with perovskite-like structure
12.05 – 12.25	O3	Short Lecture2/1	Tsvetkov	Dmitry	Functional materials	Oxygen Nonstoichiometry and Charge Transfer in the Double Perovskite Sr ₂ FeMoO _{6-δ}
12.25 – 12.45	O4	Short Lecture2/2	Weller	Mark	Functional materials	Synthesis, structures and optical properties of hybrid lead iodide perovskite phases
12.45 – 14.00 Lunch						
Time		Event	LECTURER		TOPIC	TITLE
CHAIR: Bensch Wolfgang						
14.00 – 14.40	PL3	Plenary Lecture3	Clarke	Simon	Modern developments in chalcogenide research	Soft chemical control of iron selenide superconductors and layered oxide chalcogenides
14.40 – 15.05	IL3	Invited Lecture3	Wágner	Tomáš	Modern developments in chalcogenide research	Chalcogenide glass films for nanoscale memories
15.05 – 15.25	O5	Short Lecture3/1	Valldor	Martin	Modern developments in chalcogenide research	Synthesis and characterization of Ba[CoSO]: magnetic complexity and chalcogen ordering
15.25 – 15.45	O6	Short Lecture3/2	Berthebaud	David	Functional materials	Looking for new chalcogenides functional materials in Ba-T-Se systems (T=Cr, Fe)
15.45 – 16.00 Coffee Break2						
16.00 – 18.00	PMon	Poster session1				

Tuesday 25.08.2015

Time		Event	LECTURER		TOPIC	TITLE
CHAIR: Häussermann Ulrich						
09.00 – 09.40	PL4	Plenary Lecture4	Rosseinsky	Matthew J.	New methods of synthesis	Symmetry, calculation and synthesis in the search for coupled property materials
09.40 – 10.05	IL4	Invited Lecture4	Feldmann	Claus	New methods of synthesis	Tailored Synthesis between Water and Liquid Ammonia: Hollow Nanospheres for Medicine and Less-noble Metals for Catalysis
10.05 – 10.25	O7	Short Lecture4/1	Hector	Andrew L.	New methods of synthesis	Templated growth of small nanowires using supercritical fluid electrodeposition
10.25 – 10.45	O8	Short Lecture4/2	Moran	Emilio	New methods of synthesis	Microwave-assisted routes for the synthesis of inorganic materials: an overview
10.45 – 11.05	Coffee Break3					
Time		Event	LECTURER		TOPIC	TITLE
CHAIR: Cupid Damian						
11.05 – 11.45	PL5	Plenary Lecture5	Kresse	Georg	Solid state theory	Methods beyond DFT: current status and future developments
11.45 – 12.10	IL5	Invited Lecture5	Abrikosov	Igor A.	Solid state theory	Solid state theory at finite temperature
12.10 – 12.30	O9	Short Lecture5/1	Bende	David	Solid state theory	Heteropolar Bonds and a Position-Space Representation of the 8-N Rule
12.30 – 12.50	O10	Short Lecture5/2	Rojo	Teofilo	Ionic and electronic transport in solids	Na ionic conductivity in NaTMO ₂ layered oxides as cathode Materials for Na-ion Batteries
12.50 – 14.00	Lunch					
Time		Event	LECTURER		TOPIC	TITLE
CHAIR: Hulliger Jürg						
14.00 – 14.40	PL6	Plenary Lecture6	Seshadri	Ram	Collective magnetic phenomena	Structural studies of oxide spinel magnets: Magnetocapacitors and frustrated systems
14.40 – 15.05	IL6	Invited Lecture6	Tsirlin	Alexander	Collective magnetic phenomena	Magnetism of Cu minerals: geological insights into quantum effects
15.05 – 15.25	O11	Short Lecture6/1	Battle	Peter	Collective magnetic phenomena	Relaxor Ferromagnetism in the Perovskite Structure
15.25 – 15.45	O12	Short Lecture6/2	Delahaye	Emilie	Functional materials	Magnetic and Luminescent hybrid coordination networks based on imidazolium dicarboxylate salts and lanthanides
15.45 – 16.00	Coffee Break4					
16.00 – 18.00	PTue	Poster session2				

Wednesday 26.08.2015

Time		Event	LECTURER		TOPIC	TITLE
CHAIR: Flandorfer Hans						
09.00 – 09.40	PL7	Plenary Lecture7	Kolb	Ute	New methods of characterization	Automated electron Diffraction Tomography (ADT) - solving crystal structures from nano particles
09.40 – 10.05	IL7	Invited Lecture7	Evans	John.S.O.	New methods of characterization	Put your trust in powder: new diffraction methods for studying functional materials
10.05 – 10.25	O13	Short Lecture7/1	Bensch	Wolfgang	New methods of characterization	Structural and Electronic Changes During Li Uptake and Removal of Nanosized CoFe ₂ O ₄ Revealed by a Detailed in operando X-ray Scattering and X-ray Absorption Spectroscopy Study
10.25 – 10.45	O14	Short Lecture7/2	Fop	Sacha	Ionic and electronic transport in solids	Complex crystal structure and oxide ion conductivity in the hexagonal perovskite derivative Ba ₃ MoNbO _{8.5}
10.45 – 11.05	Coffee Break5					
Time		Event	LECTURER		TOPIC	TITLE
CHAIR: Schmetterer Clemens						
11.05 – 11.45	PL8	Plenary Lecture8	Tarascon	Jean-Marie	Ionic and electronic transport in solids	Recent advances on insertion materials for better Li-ion batteries
11.45 – 12.10	IL8	Invited Lecture8	Hagen	Anke	Ionic and electronic transport in solids	Ionic and electronic transport in solid oxide cells – Seen from an applied perspective
12.10 – 12.30	O15	Short Lecture8/1	Dunst	Andreas	Ionic and electronic transport in solids	Lithium ion dynamics in amorphous Li-Si electrochemically prepared from semiconductor grade, monocrystalline silicon - An NMR Study
12.30 – 12.50	O16	Short Lecture8/2	Ragoen	Céline	Ionic and electronic transport in solids	Influence of alumina content on Na ⁺ /K ⁺ interdiffusion in soda silicate glasses
12.50 – 14.00	Lunch					
Time		Event	LECTURER		TOPIC	TITLE
CHAIR: Huppertz Hubert						
14.00 – 14.40	PL9	Plenary Lecture9	Eremets	Mikhail I.	High pressure synthesis and in situ investigations	Superconductivity at 195 K and other results of application of megabar pressures
14.40 – 15.05	IL9	Invited Lecture9	Ovsyannikov	Sergey V.	High pressure synthesis and in situ investigations	High-pressure high-temperature synthesis of simple oxides
15.05 – 15.25	O17	Short Lecture9/1	Hasegawa	Masashi	High pressure synthesis and in situ investigations	Ultra-High Pressure Synthesis and Characterization of Transition Metal Nitrides
15.25 – 15.45	O18	Short Lecture9/2	Häussermann	Ulrich	Others	Exploration of the beta to alpha (order-disorder) transition in KSiH ₃ and RbSiH ₃
15.45 – 16.00	Closing of Conference					