

Sunday 1st Sept.2019

Time	Type	Event
14:00 - 15:30	Registration	
15:30 - 16:00	Opening Session	Welcome Remarks
16:00 - 18:15	Session dedicated to "The Year of the Periodic Table"	
16:00 - 17:00	Plenary Talk New Materials with Interesting Magnetic and Electronic Properties	R. Cava Princeton Univ. USA
17:00 -17:25	C1: New Silver Oxides Featuring Idiosyncratic Structural and Bonding Properties	M. Jansen Max Planck, Stuttgart Germany
17:25 - 17:50	C2: A New Family of Anisotropic Spin Glasses: $Ba_{1-x}La_{1+x}MnO_{4+\delta}$	J. Greedan Mc Master Univ. Canada
17:50 - 18:15	C3: Divalent iron based magneto(di)electric oxides	A. Maignan Crismat, Caen, France
18 :15 - 20:00	Welcome Reception +Posters + exhibitors	

Monday 2nd Sept.2019

8:30 - 10:20	Session	Funct. Materials and Design			
8:30 - 8:55	I1: Layered perovskites: insights from experiment and theory	E. McCabe Univ. Kent, UK.			
8:55 - 9:15	C4: Design of cyan, magenta & yellow pigments for electrophoretic inks: chemical composition, crystalline structure & colour correlation	B. Serment ICMCB, Bordeaux, France			
9:15 - 9:35	C5: Structure and Magnetism in quasi-1DL ₃ MoO ₇ : A Single Crystal Study	M. Dragomir Master Univ. Canada			
9:35 - 9:55	C6: DFT prediction and experimental confirmation of functional properties new pyrochlore solid solutions	A. Krasnov Komi SC UB RAS, Russia			
9:55 - 10:20	I2: New Insights into Proper and Improper Ferroelectrics	M. Senn Warwick Univ. UK.			
10:20 - 11:00	Break	Coffee Break + exhibitors			
11:00 - 13:00	Session	Funct. Materials and Design	11:40 - 13:00	Parallel Session	Nano + thin films/hybrid
11:00 - 11:35	KN1: Defects in Inorganic Materials as Promoters for Optical, Electrical and Opto-Electrical Properties	S. Jobic IMN, Nantes, France			
11:35 - 12:00	I3: Computationally driven materials discovery	C. Collins Univ. Liverpool, UK.	11:40 - 12:00	C42: Synthesis and transfer of Ca ₂ Nb ₃ O ₁₀ -seed layer on low cost substrate for complex oxides growth	V. Demange Univ. Rennes, France
12:00 - 12:20	C7: Long and short range magnetic order in the frustrated double perovskite Ba ₂ MnWO ₆	H. Mutch Univ. Sheffield, UK.	12:00 - 12:20	C43: Incorporation of 1T-MoS ₂ sheets in layered nanocrystals with organic cations	A.S. Golub Moscow, Russia
12:20 - 12:40	C8: New Mn ^{III} -Ca layered oxide in the catalytic Ca ₂ Mn ₃ O _{8-δ} system	A. Torres-Pardo Univ. Madrid, Spain	12:20 - 12:40	C44: Experimental Thermochemical Verification of Trends in Thermodynamic Stability of Hybrid Perovskite-type Organic-Inorganic Halides	D.Tsvetkov Ural Federal Univ. Russia
12:40 - 13:00	C9: Probing Magnetic Interactions in Re-based Double Perovskites	C. M. Thompson Purdue Univ., USA	12:40 - 13:00	C45: Structural, Physical and Chemical Properties of M ^I ₄ M ^{II} X ₃ O ₉ (M ^I = Na, K; M ^{II} = Ca, Sr, Ba; X = Si, Ge)	I.I. Leonidov Ekaterinburg, Russia
13:00 - 14:00	Break	Lunch buffet + exhibitors			

Monday 2nd Sept.2019

14:00 - 15:50	Session	Hybrid and Porous	14:30 - 15:50	Parallel Session	Adv. synthesis
14:00 - 14:25	I4: A Tale of Two Themes on Microporous Solids: Lifesaving Drugs and Chirality Imprinting	J. Rocha Univ. aveiro, Portugal			
14:25 - 14:50	I5: Exploring unconventional conditions for low-temperature, sustainable wet chemistry and colloidal syntheses of metal oxides, sulphides and halogenides	S. Gross Univ. Padova, Italy	14:30 - 14:50	C46: Control of energy gap in semiconducting complex platinum oxides with extremely narrow-gap, $A_{1-x}Pt_3O_6$ (A=Cd and Hg, x=0–0.2)	A. Yamamoto Shibaura Tech., Japan
14:50 - 15:10	C10: The effect of the porous structure of graphitic C nitride on photocat H_2 evolution	J-H. Yang Newcastle Univ. Australia	14:50 - 15:10	C47: HP-HT syntheses: exploration of Doubly Ordered Perovskites Family $NaLnCoWO_6$	C. Darie I. Néel, Grenoble, France
15:10 - 15:30	C11: Solid-State Photochroms Produced by Inclusion of Organic Compounds into MOF Cavities	E.M. Glebov Novosibirsk, Russia	15:10 - 15:30	C48: $BaRE_2Ge_3O_{10}$: a new family of trigermanates with unique $[Ge_3O_{10}]^{8-}$ arrangement and promising optical properties	O. A. Lipina Ekaterinburg, Russia
15:30 - 15:50	C12: Low-Dimensional Hybrid Perovskites: Dual Phosphorescence And Electroluminescence Properties	M. Benhajsalah Univ. Rennes, France	15:30 - 15:50	C49: The Effect of Hydrogen or Carbon Insertion on the Structural and Magnetic Properties of CeScSi-type Phases	E. Gaudin ICMCB, Bordeaux, France
15:50 - 17:15	Posters	Posters - Coffee Break - exhibitors			
17:15 - 18:50	Session	Nano Materials and thin Films			
17:15 - 17:50	KN2: Novel Crystalline Inorganic-Organic Framework Materials through Gas-Phase Synthesis	M. Karppinen Aalto Univ. Finland			
17:50 - 18:10	C13: $SrVO_3$: a new transparent conductor	U. Lüders Crismat, Caen, France			
18:10 - 18:30	C14: Anodic TiO_2 Nanotube Layers: Excellent Platform for Secondary Materials	S. Ng Brno, Czech Republic			
18:30 - 18:50	C15: Facile route towards mono and bi metallic Nanocrystals with size and shape control	C. Petit Sorbonne Univ. Paris, France			

Tuesday 3rd Sept.2019

8:30 – 10:30	Session	Crystalline and Dis. Compounds	14:00 – 16:20	Session	Nitride, chalcogenide and Mixed anions
8:30 - 9:05	KN3: The unique world of natural and synthetic titanosilicates: diversity, complexity, applications	S. Krivovichev Kola Sciences center, Apatity, Russia	14:00 - 14:35	KN5: Hydride Size Effect in Oxyhydrides	H. Kageyama Kyoto Univ. Japan
9:05 - 9:30	I6: Inducing structural disorder, non-stoichiometry or nanostructuring for innovative transparent ceramics	M. Allix Univ. Orléans, France	14:35 - 15:00	I7: Polar coordination by anion order	M. Valldor Dresden Univ., Germany
9:30 - 9:50	C16: The 1D A ₇ B ₇ O ₃₀ crystal lattice: an extreme case of oxygenation/slicing of 3D ABO ₃ perovskite.	P. Lacorre Univ. Le Mans, France	15:00 - 15:20	C24: Topochemical synthesis and doping of transition-metal oxide-hydrides	M. Hayward Oxford, UK.
9:50 - 10:10	C17: New NaZn ₁₃ -Type Related Cobalt Silicide and Germanides: Syntheses, Structures and Properties	V. Hlukhyy Univ. Munchen, Germany	15:20 - 15:40	C25: Resistive switching with metal doped chalcogenide thin film	T. Wagner Perbudice Univ. Czech Rep.
10:10 - 10:30	C18: Short- and Medium-Range Order in Tungsten Phosphates (W _{1-x} P _x)O _{3-ν/2} with ReO ₃ -related XRPD Pattern: Experimental Data and Structure Modelling	M. Stockhausen Univ. Bonn, Germany	15:40 - 16:00	C26: New Nitridochromates(III) and (IV)	P. Höhn Dresden Univ. Germany
10:30 - 10:50	Break	Coffee break - exhibitors	16:00 - 16:20	C27: Tuning Material's Magnetic Properties by Reversible Electrochemical Fluorine Intercalation	S. Vasala Darmstadt Univ., Germany
10:50 - 13:05	Session	Electro-Chem. Energy	16:20 – 17:30	Posters	Posters - Coffee break - exhibitors
10:50 - 11:25	KN4: On the development of calcium battery materials: lessons learnt and future perspectives	R. Palacin ICMAB, Barcelona, Spain			
11:25 - 11:45	C19: Performance of HC-VN composite as anode materials for sodium ion batteries	H. Cheng Southampton, UK	19:30	Gala	Chez Morel
11:45 - 12:05	C20 : K ₂ Fe(C ₂ O ₄) ₂ : A New Promising Polyanionic Cathode for Li/Na Ion Batteries	A. Pramanik St. Andrews, UK.			
12:05 - 12:25	C21: Chevrel phases electrochemistry, selectivity and structural evolution during Cd intercalation	A. Prestipino Univ. Rennes, France			
12:25 - 12:45	C22: Crystallographic origin of ferroelectricity in MAPbI ₃	J. Breternitz Berlin, Germany			
12:45 - 13:05	C23: Biopolymer Sol-Gel Synthesis of Anion/Cation Doped Garnet Electrolyte Materials for Solid-State Batteries	B. Dong Birmingham, UK			
13:05 - 14:00	Break	Lunch buffet - exhibitors			

Wednesday 4th Sept.2019

8:30 – 10:05	Session	Quantum Materials	12:25 - 13:20	Break	Lunch buffet - exhibitors
8:30 - 9:05	KN6: Intermetallics at the edge of complexity: New structures, unusual chemical bonding and unique physical properties	A.V. Mudring Stockholm Univ., Sweden	13:20 - 14:45	Session	Adv. Material Synth./ Mater. design
9:05 - 9:25	C28: Layered (MnBi₂Te₄)(Bi₂Te₃)_n (n = 0, 1) as intrinsically magnetic topological materials	A. Isaeva Dresden, Germany	13:20 - 13:45	I8: From Solid State Crystal Chemistry of Metal Atom Clusters to Functional Materials and Surfaces	S. Cordier Univ. Rennes, France
9:25 - 9:45	C29: Dynamics in low-dimensional Fe-oxides	A. Möller JGU Mainz, Germany	13:45 - 14:05	C34: Point defects are key to understanding the performance of TiNiSn-based half-Heusler thermoelectrics	J.W.G. Bos Heriot-Watt Univ, Glasgow, UK
9:45 - 10:05	C30: Lock-in spin structures and ferrimagnetism in polar Ni_{2-x}Co_xScSbO₆ oxides	K. Ji Univ. Edinburg, UK	14:05 – 14:25	C36: Reactivity of a two-dimensional material in high temperature ionic liquid: graphite intercalation compounds obtained in molten salt medium	S. Cahen Univ. Lorraine, France
10:05 - 10:30	Break	Coffee break - exhibitors	14:25 - 14:45	C37: Synthesis of cation-ordered perovskites via high-pressure reduction of defect pyrochlores	F. Denis Romero Kyoto Univ., Japan
10:30 - 12:25	Session	Advanced Charac. Tech.	14:45 - 16:05	Session	Mixed Solid State Chem.
10:30 - 11:05	KN7: Structure determination from single nanocrystals by electron diffraction	L. Palatinus CAS, Prague, Czech Republic	14:45 - 15:05	C38: Alloying behaviour in the Y-Ni-Mg system: property-driven interest vs. complexity of basic research	S. De Negri Univ. Genova, Italy
11:05 - 11:25	C31: New Insights in Luminescent In-Zn Oxides by Cs-Corrected Electron Microscopes	J. Garcia-Fernandez Univ Madrid, Spain	15:05 - 15:25	C39: Formation of layered perovskites in the rare earth barium ferrite systems	V. A. Cherepanov Ural Federal Univ., Russia
11:25 - 11:45	C32 : Solid state NMR study of the layered OP4-(Li,Na)CoO₂ phase : new insights on the structure, electronic structure and dynamics	Y. Biecher ICMCB, Bordeaux, France	15:25 - 15:45	C40: “Lead white”: comparative study of Masters’ pictorial materials and corrosion synthesized pigments	G. Wallez Sorbonne Univ. Paris, France
11:45 - 12:05	C33: Core-shell heterostructures with an adaptive composition gradient for an optical control of magnetic properties	I. Maurin Polytechnique, Paris, France	15:45 - 16:05	C41: Reactivity of Chalcogen Dimers and the Topochemical Synthesis of Layered Transition Metal Chalcogenides	L. Cario IMN, Nantes, France
12:05 - 12:25	C35: IL-based Room-temperature Synthesis of Novel Oxides	G. Feldmann Karlsruhe Univ., Germany	16:15	Closing Comments	