

Time	Thu (27 Jun)	Fri (28 Jun)	Sat (29 Jun)
8:00	Registration		
8:50	Opening		
9:00	L. Forró Why are hybrid halide perovskites exciting materials?	S. James Porous Liquids and Scalable, Solvent-free Continuous Synthesis Mechanochemistry	A. Alfonsov Torque-detected electron spin resonance and magnetometry study of strongly anisotropic materials D. Arčon Frustration in spin-1/2 chains
10:00	V. Bonačić-Koutecký Design of new materials for catalysis, bioimaging and efficient light harvesting S. Gradežak From 2D Materials to Solar Cells: Controlling Properties through Point Defect Engineering	E. Tafta Magnetotransport properties of overdoped manganites: colossal magnetoresistance and metastability B. Likozar Ab initio catalytic material modelling for reactions in biomass bio-refining applications	H. Petek How to Dress a Metal V. Ilakovac Probing the electron-phonon coupling by RIXS
11:00	Coffee break	Coffee break	Coffee break
	S. Garaj Nanofluidics with 2-dimensional materials	T. Ivšić Synthesis and properties of murunskite single crystals	D. Pajić Spin-glass state and related phenomena on example of the molecular-designed CrNbO4 and other oxides E. Babić High-entropy vs. conventional alloys: who wins?
12:00	A. Gajović Electrochemical syntheses of self-assembled TiO2 NT and surface decoration for photocatalytic application V. Kojić Organometal Halide Perovskite thin films – Stability first, look for Efficiency later Z. Rapljenović Crossing the Sawyer-Tower bridge – Femtofarads and Multiferroics D. Šišak Jung Combining experimental and computational techniques to understand phase transitions of the nucleobase adenine	T. Stolar Importance of solid state in prebiotic chemistry studies S. Lukin Isotope labeling in mechanochemical milling reactions K. J. Ardila-Fierro Mechanochemical activation of calcium carbide (CaC2); a valuable C2 synthon in organic chemistry I. Milanović Mechanochemical synthesis of metal amidoboranes	I. Lončarić Modelling dynamics of molecules on surfaces: CO on metals I. Petreska Electron Transport in Single-Molecule Switches: Models and Simulations D. Novko A first-principles approach to equilibrium and ultrafast vibrational dynamics J. Krsnik Resonant electron scattering on polaronic impurities
13:00	Lunch	Lunch	D. Mance Multidisciplinary investigations of karst
14:00	T. Wakihara Continuous Flow Synthesis of Zeolites: Recent Progresses and Future Perspectives L. Borchardt Mechanochemical Pathways towards Polymer Framework and Porous Carbon Materials	G. Branković Piezoelectric effect in YSZ K. Molčanov Stacking interactions: a broader perspective	Award presentation and Closing Ceremony Coffee break
15:00	S. Grätz Nanographenes by Solvent-free Syntheses – The Mechanochemical Scholl Reaction N. Biliškov Borazane-mediated solid-state exfoliation of transition metal dichalcogenides M. Kralj Pronounced effects of chemical doping in atomically thin materials A. Paličić Designing materials for catalytic applications – case study of MFI-type zeolites	K. Lisac Phosphorus, arsenic and antimony acceptors in halogen-bonded cocrystals V. Stilić Antagonism of halogen and hydrogen bonds in crystal structures of meta-halogenopyridine derivatives N. Bedeković Cobaloximes as building blocks in halogen-bonded systems B. Karadeniz Mechanochemical synthesis of zirconium-based metal organic frameworks	
16:00	Coffee break	Coffee break	
	V. Despoja Ab initio study of acoustic plasmon enhancement in alkali intercalated graphene	I. Jakovac NQR/NMR study of a cubic heavy fermion system Ce3Pd20Si6 C. Wellm Electron spin resonance studies on the frustrated tripod-Kagome compound Mg2Gd35b3O14	
17:00	M. Bosnar Spin polarization of graphene by magnetic proximity effect controlled by electric field I. Trapić Utilization of atomistic submodel in molecular dynamics stress analysis in single layer graphene	D. Rivas Góngora Dielectric and magnetic relaxation of single-crystal hexaferrite Ba0.3Pb0.7Fe12O19 P. Popčević Interactions and magnetic ordering in Co1/3NbS2	
18:00	Poster session 1 (P1-P32)	Poster session 2 (P33-P64) Photo session (at 19:00, Main entrance)	