

Schedule of 14th SPCA 2023 and 52^{èmes} JdA 2023

MONDAY APRIL 17 TH		TUESDAY APRIL 18 TH		WEDNESDAY APRIL 19 TH		THURSDAY APRIL 20 TH		FRIDAY APRIL 21 ST	
8:00	Registration	Chair: Roberto Caciuffo		Chair: Mathieu Pasturel		Chair: Gertrud Zwicknagl		Chair: Andrea Severing	
Chair: Ladislav Havela		9:00	Ladislav Havela Charles University, Czech Republic <i>Electronic structure and magnetism of actinides in metallic state</i>	9:00	Eric Colineau JRC-Karlsruhe, Germany <i>Experimental physics of transuranics</i>	9:00	Gerry Lander <i>Neutron scattering techniques applied to actinide materials</i>	9:00	Lottie Harding <i>The oxidation of single-phase uranium silicide thin films</i>
9:00	Gertrud Zwicknagl TU Braunschweig, Germany <i>Theoretical aspects of actinides and lanthanides materials</i>	10:00	Lucia Amidani ESRF and HZDR, France and Germany <i>X-ray Spectroscopy to shed light on actinides: from experiments to calculations</i>	10:00	Rory Kennedy The Glenn T. Seaborg Institute at Idaho National Laboratory <i>Research opportunities at INL-GTSI</i>	9:20	Clara Silva <i>Fundamentals of the U halides</i>	9:20	Luigi Paolasini <i>Lattice dynamics and X-ray scattering studies of low temperature crystal-lattice modulation in CeSb</i>
10:00	Krzystof Gofryk Idaho National Laboratory, USA <i>Strong electron correlations and topology in 5f-electron materials</i>	11:00-11:30	Coffee break	10:30	Eteri Svanidze 52 nd JdA Opening remarks and welcome	9:40	Shu-Xian Hu <i>Theoretical study on the bonding features of actinides</i>	9:40	Javier Landaeta <i>Even and odd parity superconductivity in CeRh₂As₂</i>
11:00-11:30	Coffee break	11:30	Mauro Giovannini University of Genoa, Italy <i>Phase diagrams: a powerful tool for material scientists</i>	10:45	Conference photo (outside of MPI CPfS main entrance)	10:00	Bernard Amadon <i>Role of electronic interactions on valence fluctuations and structural properties of actinides</i>	10:00	Seunghyun Khim <i>Crystal growth of locally-noncentrosymmetric intermetallic compounds</i>
11:30	James Tobin University of Wisconsin-Oshkosh, USA <i>The fundamentals of X-ray emission</i>	12:30-13:30	Lunch	11:00-11:30	Coffee break	10:20	Yannick Rosello <i>Endohedral Actinidofullerenes: U-U bonds</i>	10:20	Ladislav Havela <i>Real phonons needed to unravel magnetic entropy in UCu₂P₂</i>
12:30-13:30	Lunch	Chair: Lucia Amidani		11:30	Poster flash presentations	10:40	Moritz Schmidt <i>Actinide-MOF chemistry and applications</i>	10:40	Laura Agnarelli <i>New family of cage compounds RBe₆₈Ru₁₂ (R = U, Th, Ce, Pr, Gd, Ho)</i>
Chair: Mauro Giovannini		13:30	Antonio Pereira Gonçalves University of Lisbon, Portugal <i>Synthesis of actinide compounds and alloys</i>	12:10	Andrea Marino <i>Impact of Fe substitution on the electronic structure of URu₂Si₂</i>	11:00-11:30	Coffee break	11:00-11:30	Coffee break
13:30	Itzhak Halevy NRCN, Israel <i>Nuclear forensics</i>	14:30	Yuri Grin MPI CPfS, Germany <i>Chemical bonding of intermetallic compounds and alloys</i>	12:30-13:30	Lunch	Chair: Krzysztof Gofryk		Chair: Dariusz Kaczorowski	
14:30	Andrea Severing University of Cologne, Germany <i>Spectroscopy of uranium intermetallics – NIXS and RIXS</i>	15:30-16:00	Coffee break	Chair: Rory Kennedy		11:30	Dominik Legut <i>Itinerant-localized dichotomy in magnetic anisotropic properties of U-based ferromagnets</i>	11:30	Jindrich Kolorenc <i>Localized excitons in EuS seen by valence-to-core RIXS at Eu L₃ edge</i>
15:30-16:00	Coffee break	16:00	Gerry Lander Grenoble, France <i>Discoveries that changed the world</i>	13:30	Sergii Khmelevskiy <i>Consequences of multipolar interactions in f-electron oxides</i>	11:50	Ine Arts <i>Corrosion modeling of spent fuel – adsorption of O, O₂, H₂O and H₂O₂ to the UO₂ surface</i>	11:50	Itzhak Halevy <i>Nuclear forensics</i>
16:00	Roberto Caciuffo INFN, Italy <i>Synchrotron radiation techniques and their application to actinides</i>	17:00	Dominik Legut TU Ostrava, Czech Republic <i>The role of spin-orbit coupling and electron correlations in actinides</i>	13:50	Eleanor Lawrence Bright <i>Accessing the U–O phase diagram using topotactic oxidation</i>	12:10	Shannon Kimberley Potts <i>Structural incorporation of dopants into uranium oxides – the effect of temperature, size, and oxidation state</i>	12:10	James Tobin <i>X-ray resonant Raman spectroscopy</i>
17:00	Mathieu Pasturel University of Rennes, France <i>Development of new materials as nuclear fuels for research reactors and irradiation targets</i>	Chair: Eteri Svanidze		14:10	Dirk Lamoen <i>Charge order, frustration relief, and spin-orbit coupling in U₃O₈</i>	12:30	Ross Colman <i>Evolution of local structure across the heavy rare earth zirconate oxides, A₂Zr₂O₇</i>	12:30-13:30	Lunch
Chair: James Tobin		18:00	Researchers of the JdA <i>A panel discussion on equality, diversity, and inclusion in science</i>	14:30	Lab tours	12:50-13:50	Lunch	Chair: Dominik Legut	
18:00	Researchers of the JdA <i>Open questions of actinide science – a panel discussion</i>	19:00	Dinner at MPI CPfS	15:30-16:00	Coffee break	14:00	Trip to Terra Mineralia	13:30	Simon Orlat <i>Unravelling the electronic structure of uranium: the case of MUO₃ (M = K, Na and Rb)</i>
19:00	Dinner at MPI CPfS	Chair: Antonio Pereira Gonçalves		16:00	Maria Szlawska <i>Hunting the Lifshitz point in UPd₂Si₂ induced by magnetic field and pressure</i>	18:00	Conference banquet	13:50	Nabeel Anwar <i>Large-scale quantum mechanical simulations of actinide oxides</i>
		16:20	Mitja Krnel <i>Magnetism and superconductivity in binary Hg-based compounds</i>	16:40	Nazar Zaremba <i>Search of new uranium-based arsenides</i>			14:10	Pablo Vacas-Arquero <i>Stability studies of the AmSel extraction system</i>
		16:40	Nazar Zaremba <i>Search of new uranium-based arsenides</i>	17:00	Theo Croze <i>New assessment of U-Pd phase diagram</i>			14:30	Olivier Tougaard <i>The U-Cr-O ternary system: preliminary experimental results of the thermodynamic investigation</i>
		17:00	Theo Croze <i>New assessment of U-Pd phase diagram</i>	17:20	Lars Nordstrom <i>Hide and seek: where and what is the magnetic order?</i>			14:50	Octavian Valu <i>Low-temperature heat capacity of the lanthanide-doped UO₂</i>
		17:20	Lars Nordstrom <i>Hide and seek: where and what is the magnetic order?</i>	18:00-20:00	Poster session and dinner at MPI CPfS			15:10	Jean-Christophe Griveau <i>Magnetic, thermodynamic and transport properties of PuAlO₃</i>
								15:30-16:00	Coffee break
								16:00	Eteri Svanidze <i>52nd JdA Closing remarks and announcement of awards</i>