

The conference program

Sunday 11th September 2022				
12:00-20:00	Registration (Faculty of Science, 17.listopadu 1192/12, https://goo.gl/maps/mo6QCabgvJow3fvq7)			
18:00-19:00	Excursion to the Science Centrum (https://goo.gl/maps/VxoXP3tTKJNGJZU88)			
19:00-21:30	Welcome reception (Science Centre, https://goo.gl/maps/VxoXP3tTKJNGJZU88)			
Monday 12th September 2022				
Registration desk 8:00-18:00				
9:00-9:30			Opening ceremony (Faculty of Science, 17.listopadu 1192/12)	
9:30-10:10	K1	P.-E. Lippens	Is tin an interesting element for energy transition?	Chair: J. F. Marco
10:10-10:30	C1	J. Gałązka-Friedman	HOW MÖSSBAUER SPECTROSCOPY CAN HELP IN ACHIEVEMENT OF VALUABLE FOR INDUSTRY NATURAL RESOURCES FROM EXTRATERRESTRIAL OBJECTS	
10:30-11:00			Coffee break	
11:00-11:30	I1	E. Tabor	MÖSSBAUER SPECTROSCOPY AS A CRUCIAL TOOL FOR DESIGNING OXIDATION CATALYSTS	Chair: T. Szumiata
11:30-12:00	I2	K. Lazár	STUDY OF INDUSTRIAL CATALYSTS AND CATALYTIC PROCESSES BY MÖSSBAUER SPECTROSCOPY	
12:00-12:20	C2	M. Kořenek	MÖSSBAUER SPECTROSCOPY OF IRON CATALYSED CARBON NANOSTRUCTURES	
12:30-14:00			Lunch	
14:00-14:30	I3	J. Wang (online)	In-situ/operando Mössbauer Spectroscopic Characterizations of Iron-based Electrocatalysts	Chair: E. Tabor
14:30-15:00	C3	J.-M. Génin	Ordering of Fe ³⁺ cations in green rust related minerals within gleys: Mössbauer spectroscopy vs. X-ray diffraction	
15:00-15:20	C4	S. Dubiel	Fe-GLUCONATE: STRUCTURE AND PROPERTIES	
15:20-15:50			Coffee break	
15:50-16:20	I4	Y. Garcia	SMART SENSORS FOR CIVIL SECURITY APPLICATIONS	Chair: P.-E. Lippens
16:20-16:40	C5	M. Robić	INFLUENCE OF SM AND Y MOLAR FRACTIONS ON THE PROPERTIES OF ELECTROSPUN (FE, SM) AND (FE, Y) OXIDES	
16:40-17:00	C6	K. Bharuth-Ram (online)	PARAMAGNETIC BEHAVIOUR OF Mn IMPLANTED ZnO	
17:30-19:00			SEC meeting (Dept. of Experimental Physics, 4 th floor)	
18:00-19:30			Guided tour to the city center (optional)	
Tuesday 13th September 2022				
Registration desk 8:00-18:00				
9:00-9:30	I5	M. Mašláň	MÖSSBAUER SPECTROSCOPY IN ADDITIVE MANUFACTURING BY SELECTIVE LASER MELTING	Chair: M. Miglierini
9:30-9:50	C7	A. Sedláčková	STUDY OF STAINLESS STEEL SURFACE AFTER ANNEALING IN THE TEMPERATURE RANGE 550 - 1000 °C	
9:50-10:20	I6	J. Pechoušek	NONDESTRUCTIVE DETERMINATION OF AUSTENITE IN STEELS	
10:20-10:50			Coffee break	
10:50-11:20	I7	A. Quesada	DEVELOPING NOVEL MAGNETS AND ASSOCIATED PROCESSES TO REDUCE OUR DEPENDENCE ON RARE-EARTH ELEMENTS	Chair: P. Bingham
11:20-11:40	C8	P. Kohout	SURFACE CHANGES INVESTIGATION OF "MASHA" STEEL COMPONENTS BY MÖSSBAUER SPECTROSCOPY	
11:40-12:10	C9	J.-M. Génin	Eh-pH Pourbaix diagrams of green rusts and CORTENTM steel	
12:30-14:00			Lunch	
14:00-16:00			Poster session, discussions of participants	
15:30-16:00			Coffee, snack	
16:00-18:00			Excursion to laboratories (optional)	
16:00-19:00			Guided tour to the city center of Olomouc (optional)	
Wednesday 14th September 2022				
Registration desk 8:00-14:00				
9:00-9:30	I8	P. Bingham	APPLICATION OF MÖSSBAUER SPECTROSCOPY TO REAL-WORLD RADIOACTIVE WASTE IMMOBILISATION PROBLEMS	Chair: S. Dubiel
9:30-10:00	I9	M. Miglierini	METALLIC ALLOYS IN NUCLEAR INSTALLATIONS	
10:00-10:20	C10	D. Kořovský	MICROSTRUCTURE OF HIGH-ENTROPY ALLOYS	
10:20-10:50			Coffee break	
10:50-11:20	I10	N. Oka (online)	APPLICATION OF VANADATE GLASSES CONTAINING DIFFERENT METAL OXIDES TO RECHARGEABLE BATTERIES	Chair: C. Barrero
11:20-11:40	C11	A. Béres	SYNTHESIS, STRUCTURE AND PROPERTIES OF COMPLEX IRON(III) SALTS CONTAINING VARIOUS LIGANDS AND OXIDIZING ANIONS	
11:40-12:00	C12	S. Dubiel	Simple Method of Determining Center Shift and Spectral Area of a Mössbauer Spectrum	

12:30-14:00			Lunch	
14:00-19:00			Half-day excursion (TVARG Velká Bystřice)	
Thursday 15th September 2022			Registration desk 8:00-18:00	
9:00-9:30	I11	V. Garg (online)	INDUSTRIAL APPLICATIONS OF SUPERPARAMAGNETIC OF IRON OXIDE NANOPARTICLES	Chair: M. Reissner
9:30-9:50	C13	Marciuš	ONE POT SYNTHESIS OF Co AND Ni DOPED MAGHEMITE NANOPARTICLES USING ACETYLCETONATE PRECURSORS	
9:50-10:20	I12	K. Garcia	USE OF IRON OXYHYDROXIDES AS WATER DECONTAMINANTS: THE CASE OF AKAGANEITE	
10:20-10:50			Coffee break	
10:50-11:20	I13	S. Kubuki	HIGHLY COVALENT FeIII-O BOND CONFIRMED FROM MÖSSBAUER SPECTRA OF DOMESTIC WASTE MOLTEN SLAG SIMULATED SODA-LIME IRON-SILICATE	Chair: L. Machala
11:20-11:50	I14	T.Nishida (online)	INDUSTRIAL APPLICATIONS OF HIGHLY CONDUCTIVE VANADATE GLASS CONTAINING IRON(III)	
11:50-12:20		J. Navařík, V. Dutka, J. Pechoušek	Commercial presentations	
12:30-14:00			Lunch	
14:00-16:00			Poster session - ONLINE	
16:00-18:00			SEC meeting (Dept. of Experimental Physics, 4 th floor)	
19:00-23:00			Conference dinner (the rectorial canteen, https://goo.gl/maps/6bDDNaCtCWnpN6nn8)	
Friday 16th September 2022			Registration desk 8:00-11:00	
9:00-9:20	C14	D. Balatskiy (online)	MÖSSBAUER STUDY OF Fe-RICH BERYL	Chair: E. Kuzmann
9:20-10:20			Discussion panel, ISIAME in future, organization of the next ISIAME	
10:20-10:40			Closing of the symposium	
11:00-12:00			Lunch	