			AMPERE NMR School  June 16 <sup>th</sup> - June 22 <sup>nd</sup> 2024, Zakopane, Poland		PROGRAMME		
SUNDAY, June 16		MONDAY, June 17	TUESDAY, June 18	WEDNESDAY, June 19	THURSDAY, June 20	FRIDAY, June 21	SATURDAY, June 22
	8:00-9:00	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
	9:00-9:45	CHAIR: DANUTA KRUK  Matthias Ernst  Dynamics in solid-state NMR under MAS:  What are the relevant time scales?	CHAIR: MATTHIAS ERNST  Ville-Veikko Telkki  Ultrafast relaxation and diffusion measurements	CHAIR: DAVID LURIE  Esteban Anoardo  Low-field MRI: Dealing with inhomogenous and unstable magnetic fields	CHAIR: MICHAŁ BIELEJEWSKI  Daniel Topgaard  Translational motion and magnetic field gradients	CHAIR: JACEK JENCZYK  Giacomo Parigi  NMR relaxometry of diamagnetic and paramagnetic proteins	
	9:45-10:00	YRF: Michał Fajt  Siliciclastic Rocks Pore Size Distribution Characterization and its advanced application in permeability evaluation by joint NMR and Mercury Porosimetry Analysis	YRF: Angel M. Chiramel Tony  The Bottom Up Approach: Frequency Dependent Relaxation Rates from MD Simulations	YRF: Weronika Mazur-Rosmus  Comparison of the Eddy Current Distortion Correction and B-Matrix Spatial Distribution Methods for Systematic Bias Removal in Diffusion Tensor Imaging	YRF: Dominika Tubacka  Combined X-Ray and NMR Analysis for a Better  Understanding of Enhanced Conductivity of LiBH <sub>4</sub> -  LiBr Solid Electrolytes	YRF: Karol Kołodziejski  Dynamics of hydrated inulin - the perapective of confectionery industry	
tion	10:00-10:45	Bernhard Blümich  Mobile NMR Relaxometry for Nondestructive  Materials Testing	Marta Dudek  Modelling disorder in molecular crystals with NMR crystallography	Diana Bernin Capturing coherent and non-coherent motions in chemical engineering applications with magnetic resonance	<b>Janez Stepišnik</b> Why biopolymers fold in glycerol-water  mixtures: NMR study of diffusion	Danuta Kruk  Modelling NMR relaxation data – from proteins olutions to tissues	
da	10:45-11:15	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
ou u		CHAIR: TOMASZ ZALEWSKI	CHAIR: BERNHARD BLÜMICH	CHAIR: DANIEL TOPGAARD	CHAIR: GIACOMO PARIGI	CHAIR: DANUTA KRUK	
. Accommodation	11:15-12:00	David Lurie  Basics of MRI & research in field-cycling imaging	Wiktor Koźmiński  High dimensionality and high resolution  NMR experiments for biomolecules	<b>Gerd Buntkowsky</b> Solid-state NMR and Dynamic Nuclear Polarization for the Characterization of Functional Materials	Pedro J. Sebastião Proton NMR Relaxometry Study of Molecular Dynamics in the N, NTB and Smectic Phases of the Liquid Crystal Dimer DTC5C7	Leonid Grunin  TD-NMR Relaxometry of Colloidal Systems	
એ	12:00-12:15	Sponsor Presentation	YRF: Samira Emadi	YRF: Feryal Guerroudj	YRF: Kahinga Kamau	YRF: Farman Ullah	Рер
Arrivals		JEOL: Felice D'Alia, Ahmed Dhifaoui	Non-Invasive Imaging to Understand How Enzyme-Induced Calcite Precipitation Affects Flow and Transport in Porous Media	Investigating Synergistic Effects Between Cellulose and Lignin for Advanced Forest Carbon Fibers: Mass Transport Characterization with MR	Myoglobin in H <sub>2</sub> O and D <sub>2</sub> O: Spin Relaxation Model Conundrum	NMR Relaxation Features for Biomaterials - Comparison of FFC-NMR and TD-NMR Results	
A		Lionel Broche	Anna Zawadzka-Kazimierczuk	Ralf Ludwig	Danuta Kruk	YRF: Luísa Souza Almeida	
Afternoon	12:15-13:00	Basic hardware of MRI and specific hardware for FCI	Cross-correlated relaxation experiments for structural studies of intrinsically disordered proteins	Reliable description of rotational and translational motion in ionic liquids by means of field cycling NMR relaxometry and molecular dynamics simulations	How to calculate relaxation rates?	Study of the Relaxation Profiles of Antiviral Drugs Polymorphs  YRF: Faisal Shah  Dynamics of haemoglobin solutions - insights from spin relaxation studies	
	13:00-14:00	Lunch	Lunch	Lunch	Lunch	12:45 Lunch	
	14:00-15:00 15:00-15:45	Iain Day	Free Time  Magdalena Wencka		Free Time  Magdalena Wencka	Free Time	
	15:45-16:00	Coffee Break	Innovative Researcher: End-user approach for Scientific Project Designing part 1 Coffee Break	Excursion / Free time	Innovative Researcher: End-user approach for Scientific Project Designing part 2 Coffee Break	Coffee Break	
	16:00-17:00	Pedro J. Sebastião  NMR relaxometry  group 1  Tomasz Zalewski  Basics of MRI  group 2				Michał Bielejewski  NMR diffusion	
	17:00-18:00 18:00-19:00	Pedro J. Sebastião  NMR relaxometry  group 2  Tomasz Zalewski  Basics of MRI  group 1	17:00 - 19:00 Poster session		Jacek Jenczyk  Chemical Shift Anisotropy	17:15-17:45 - Closing ceremony	
45 Opening dinner		Dinner	19:30 - walk to Dinner at the Regional Restaurant	Dinner	Dinner	Dinner	