

AMPERE NMR School

June 19th - July 25th 2022, Zakopane, Poland

PROGRAMME

SUNDAY, June 19 th		MONDAY, June 20 th		TUESDAY, June 21 st		WEDNESDAY, June 22 nd		THURSDAY, June 23 th		FRIDAY, June 24 th		SATURDAY, June 25 st	
		<i>Breakfast</i>		<i>Breakfast</i>		<i>Breakfast</i>		<i>Breakfast</i>		<i>Breakfast</i>		<i>Breakfast</i>	
8:00-9:00		8:45-9:00 <i>opening</i>				8:30-9:00 <i>in memoriam Prof. Stefan Jurga</i>							
9:00-9:45		Anja Böckmann Carbon- and proton-detected solid-state NMR sequential assignments and applications to fibrils and membrane proteins		Ville-Veikko Telkki Multidimensional relaxation and diffusion experiments		Beat Meier Faster spinning and higher fields in biomolecular solid-state NMR		Esteban Anoardo New challenges and opportunities for low-field MRI		Ilya Kuprov What exactly is spin: from cogito ergo sum to Pauli Hamiltonian			
9:45-10:30		Matthias Ernst Interaction Frames in Magnetic Resonance		Magdalena Wencka ²⁷ Al NMR local study of the Al _{0.5} TiZrPdCuNi alloy in high-entropy and metallic glass forms		Wiktor Koźmiński High dimensionality and high resolution NMR experiments for biomolecules		Aneta Woźniak-Braszak NMR off-resonance technique for investigation of slow molecular motions in homo- and heteronuclear systems		Janez Stepišnik NMR method for research into molecular translation dynamics and chemical kinetics in liquids			
10:30-11:00		<i>Coffee Break</i>		<i>Coffee Break</i>		<i>Coffee Break</i>		<i>Coffee Break</i>		<i>Coffee Break</i>			
11:00-11:45		Siegfried Stapf NMR cum grano salis: relaxation and diffusion in salty soils on Earth (and elsewhere)		Michał Nowakowski How does bacteriocins kill bacteria? The case of BacSp222		Claudia Schmidt Probing porous materials by NMR of guest molecules		Michał Bielejewski Effective electric charge of ions studied by Nuclear Magnetic Resonance		Elżbieta Masiewicz Low frequency NMR relaxation of biomolecules			
11:45-12:30		Daniel Topgaard Massively multidimensional diffusion-relaxation correlation MRI		Maciej Kozak Flexible or disordered - a comprehensive look at selected unstructured proteins		Chat with the speakers		Leonid Grunin Advantages of time-domain NMR in analysis of solid state materials		Sergio Ortiz Quantitative analysis of complex mixtures with benchtop ¹ H NMR spectroscopy			
12:30-13:30		<i>Lunch</i>		<i>Lunch</i>		<i>Lunch</i>		<i>Lunch</i>		<i>Lunch</i>			
13:30-16:15		<i>Free Time</i>		<i>Free Time</i>		<i>Excursion</i>		<i>Free Time</i>		<i>Free Time</i>		<i>Free Time</i>	
16:15-16:30		<i>Coffee Break</i>											
16:30-17:15		Zbigniew Fojud Nuclear Magnetic Resonance as a tool for exploration structure & molecular dynamics in soft and condensed matter		16:45-17:00 <i>Coffee Break</i>				<i>Coffee Break</i>		<i>Coffee Break</i>			
17:15-18:00		Jadwiga Tritt-Goc The search for the best proton conductor based on biopolymer and nitrogen-containing heterocyclic molecule		17:00-17:45 <i>On-line laboratory training</i>						<i>Poster session</i>		<i>On-line laboratory training</i>	
				Jacek Jencyk Anisotropic character of spin interactions vs MAS <i>Group 1</i>		Tomasz Zalewski MRI: basic principles and application <i>Group 2</i>		Zbigniew Fojud NMR relaxometry <i>Group 1</i>				Witold Andrałojć High resolution solid state NMR <i>Group 2</i>	
18:00-18:45		Danuta Kruk NMR relaxometry for ionic liquids - insight into correlation effects		18:00-18:45 <i>groups rotation</i>		Tomasz Zalewski MRI: basic principles and application <i>Group 1</i>		Jacek Jencyk Anisotropic character of spin interactions vs MAS <i>Group 2</i>				Witold Andrałojć High resolution solid state NMR <i>Group 1</i>	
18:45-19:00				walk to...									
19:45 <i>Opening dinner</i>		19:00 <i>Dinner</i>		<i>Dinner at the Regional Restaurant 19:15</i>		<i>Dinner</i>		<i>Dinner</i>		<i>Certificates and poster prizes School Closing Dinner</i>			

Afternoon Arrivals & Accommodation

Departure