

PROGRAMME OF AMPERE NMR SCHOOL 2009

21-27 June

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
8.00-9.00		BREAKFAST	BREAKFAST	BREAKFAST	BREAKFAST	BREAKFAST	BREAKFAST	
9.00-9.45	Arrival and Registration	<u>The opening lecture:</u> <u>H.W. Spiess</u> Advanced NMR methods for studying structure and dynamics of Soft Matter	<u>S. Vega</u> Proton NMR in solids; Theory and Applications	<u>B. Blümich</u> Compact NMR	<u>A. McKay</u> Information about water exchange, reading ability and injury due to spinal stenoses from T ₂ and other MRI techniques.	<u>C. A. de Lange</u> Novel strategies for solving highly complex NMR spectra of solutes in liquid crystals	Departure	
9.45 -10.30		<u>B. Meier</u> MIRRORS and DREAMS	<u>D. Michel</u> Investigation of nanostructured ferroelectric materials by means of NMR spectroscopy and spin lattice relaxation	<u>H. Peemoeller</u> Is chemical exchange responsible for coalescence of OH and water resonances in low hydration MCM-41? A 2D time domain NMR study	<u>E. Burnell</u> NMR of solutes in nematic and smectic liquid crystals: order parameters and the intermolecular potential	<u>J. Senker</u> NMR Crystallography – Approaching the Structure Elucidation of Amorphous, Nano- and Microcrystalline Materials		
10.30-11.00		COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK		
11.00 11.45		<u>F. Fujara</u> Deuteron NMR studies in high pressure ice phases	<u>S. Stapf</u> Spatially resolved monitoring of drying and reaction processes in polymeric films by low-field NMR	<u>B. Blicharska</u> Hydration water dynamics in biopolymers from NMR relaxation in the rotating frame <u>H. Harańczyk</u> Nano-scale water structure in ultra-dry lichen thalli by proton NMR	<u>J. Seliger</u> Field cycling NMR relaxometry and detection of low nuclear quadrupole resonance frequencies	<u>J. Tritt-Goc</u> NMR in the gel systems		
11.45-12.30		<u>E. Rössler</u> Dynamics of liquids and polymer melts - perspectives from field cycling NMR	<u>J. Stepišnik</u> Studies of molecular dynamics by NMR gradient spin echo	<u>A. Olaru</u> Water ingress in polymer-modified cement: a magnetic resonance imaging study <u>A. Valori</u> A ¹ H Double Quantum Filter study of water in Hydrated Cement Pastes				<u>D. J. Lurie</u> 1000 field strengths in one scanner - Fast Field-Cycling MRI
12.30-17.00		LUNCH & FREE TIME	LUNCH & FREE TIME	LUNCH	LUNCH & FREE TIME	LUNCH & FREE TIME		
17.00-18.00		<u>D. Kruk, E. Rössler</u> NMR relaxometry/NMR in soft matter	<u>J. Stepišnik, K. Szutkowski</u> Basics of NMR diffusometry	EXCURSION	FIRST POSTER SESSION	SECOND POSTER SESSION		
18.15-19.15		<u>E. Burnell, C. A. de Lange</u> NMR of ordered liquids	<u>M. Giersig</u> Nanomaterials and their applications in electronics and biomedicine					
19.30		DINNER	BONFIRE	DINNER 20:30 ORGAN CONCERT	DINNER	DINNER		GALA DINNER