Conference program

Monday 5th June

8^{30} – 9^{30} **Registration**

9^{30} – 9^{45} **Welcome address**

9^{45} – 11^{30} Session 1

9^{45} – 10^{30} – *Self-diffusion studies based on field-cycling NMR relaxometry: The perfect partnership of protons and deuterons*
Rainer Kimmich

10^{30} – 11^{00} – *Proton FFC-NMR Relaxometry of lipids in aditivated liposomes with enhanced elasticity*
Esteban Anoardo

11^{00} – 11^{30} – *Interfacial water dynamics in some colloidal and nanoporous systems as probed by NMRD*
Pierre Levitz

11^{30} – 12^{00} – **Coffee break**

12^{00} – 13^{30} Session 2

12^{00} – 12^{30} – *The influence of cationic cluster formation on the structural and dynamical properties of ionic liquids: chemical shifts, quadrupole coupling constants, rotational correlation times and validity of Stokes-Einstein-Debye*
Ralf Ludwig

12^{30} – 13^{00} – *Proton NMR at Larmor frequencies down to 3 Hz by means of field-cycling techniques*
Ernst Rössler

13^{00} – 13^{30} – *Fast Field-Cycling Magnetic Resonance Imaging*
David Lurie

13^{30} – 14^{30} **Lunch**

$14^{30} – 16^{00}$ Session 3

$14^{30} – 15^{00}$ – *Design and commissioning of a whole-body 0.2 T fast field-cycling MRI magnet*
Lionel Broche

$15^{00} – 15^{30}$ – *Progress on imaging using a 0.2 T whole-body Fast Field-Cycling system*
P. James Ross

$15^{30} – 16^{00}$ – *Coarse Grained ^{1}H Relaxometry by Spin Diffusion*
Dominique Petit

$16^{00} – 16^{30}$ **Coffee break**

$16^{30} – 18^{00}$ Session 4

$16^{30} – 17^{00}$ – *Cation-gelator interaction at the liquid-solid interface in aqueous and non-aqueous low molecular weight ionogels*
Michał Bielejewski

$17^{00} – 17^{30}$ – *Anomalous ion diffusion in ionic liquid-based polymer electrolytes*
Adam Rachocki

$17^{30} – 18^{00}$ – *Characterization of molecular dynamics and elastic properties of flexible liposomes membranes using proton FFC-NMR Relaxometry*
Carla Cecilia Fraenza

$18^{00} – 19^{30}$ – **"STELAR EVENT"**

$20^{00} – 22^{00}$ **Conference dinner**

Tuesday 6th June

$9^{00} – 11^{00}$ Session 5

$9^{00} – 9^{30}$ – *Quadrupole enhanced relaxation of protons in a selected Bismuth-Aryl compound as a potential candidate for MRI contrast agents*
Hermann Scharffeter

$9^{30} – 10^{00}$ – *High Field FFC-MRI with Citrate-Coated GdF_3 Nanoparticles: Preliminary Results at 3T*
Markus Bödenler

$10^{00} – 10^{30}$ – *DNP-FFC: Improved sensitivity and selectivity in relaxometry by exploiting electron spin saturation*
Siegfried Stapf

$10^{30} – 11^{00}$ – *Joining Forces – Prospects for the Application of FFC Relaxometry in Hyperpolarized NMR*
Grzegorz Kwiatkowski

$11^{00} – 11^{30}$ **Coffee break**

$11^{30} – 13^{30}$ Session 6

$11^{30} – 12^{00}$ – *Investigating the structure and the dynamics of liquids around metallic and oxide nanoparticles using NMR relaxometry*
Anne-Laure Rollet

$12^{00} – 12^{30}$ – *Dynamics and wettability of petroleum fluids in shale oil probed by fast field cycling NMR relaxation*
Jean-Pierre Korb

$12^{30} – 13^{00}$ – *Hydration of MgO-based cement and its mixtures with Portland cement: kinetics, state of water, and binder phase structure by NMR spectroscopy and relaxometry*
Lucia Calucci

$13^{00} – 13^{30}$ – *Molecular dynamics in supercooled ionic liquids studied by FFC relaxometry*
Carlos Mattea

$13^{30} – 14^{30}$ **Lunch**

$14^{30} – 16^{30}$ Session 7

$14^{30} – 15^{00}$ – *Effect of the synthetic malaria pigment hematin on water NMR relaxation times: implications for malaria diagnosis by NMR*
Yves Gossuin

$15^{00} – 15^{30}$ – *Field Cycling to the nT Range for High Resolution NMR Spectroscopy*
Hans-Martin Vieth

$15^{30} – 16^{00}$ – *A proton T_1-NMRD study of snow-flakes and hexagonal ice*
Per-Olof Westlund

$16^{00} – 16^{30}$ – *Brownian translational dynamics on flexible surface for nuclear spin relaxation study of fluid membrane phases*
Pär Håkansson

$16^{30} – 17^{00}$ **Coffee break**

$17^{00} – 18^{00}$ **Poster Session**

$18^{00} – 19^{30}$ **Boat trip**

$20^{00} – 21^{00}$ **Dinner**

Wednesday 7th June

$8^{30} – 10^{30}$ Session 8

$8^{30} – 9^{00}$ – *How was tempera paint prepared by artists? Study of water dynamics in paint by NMR relaxometry*
Agathe Fanost

$9^{00} – 9^{30}$ – *T_1-dispersion curves of human brain desease and Protein Mass Spectrometry analysis*
Hana Lahreh

$9^{30} – 10^{00}$ – *Relaxometry of Cancer: effect of water mobility and magnetic field strenght on tissue and cell proton T_1*
Simonetta Geninatti Crich

$10^{00} – 10^{30}$ – *Dynamics of hyaluronic acid dermal fillers assessed by fast field cycling NMR Relaxometry.*
Sławomir Wilczyński

$10^{30} – 11^{00}$ **Coffee break**

$11^{00} – 13^{00}$ Session 9

$11^{00} – 11^{30}$ – *Debye peak in mono-alcohols – a joint study of dielectric spectroscopy and field cycling NMR*
Max Flämig

$11^{30} – 12^{00}$ – *Changes in motions in Osteopontin upon heparin binding from high resolution relaxometry*
Pavel Kaderavek

$12^{00} – 12^{30}$ – *Enhanced Longitudinal Relaxivity in Organic and Inorganic Nanoparticles Based on Amphiphilic Gd-AAZTA-like Complexes*
Fabio Carniato

$12^{30} – 13^{00}$ – *Some simulation tools for fast field-cycling NMR and MRI instruments*
Pascal Fries

$13^{00} – 13^{15}$ **Closing remarks**

$13^{30} – 14^{30}$ **Lunch**