

## LIST OF CONTRIBUTIONS

### Oral presentations:

- O1 Fraissard, Jacques: The search for lost illusions
- O2 Telkki, Ville-Veikko: The effect of thermal modification on the fluid transport properties in wood observed by time-of-flight remote detection MRI of hyperpolarized xenon
- O3 Pennanen, Teemu S.: Computational study of NMR parameters as a function of water dimer geometry
- O4 Weisell, Janne: Acid dissociation constant determination of polyamines: case SpmTrien
- O5 Kowalewski, Jozef: Paramagnetic relaxation enhancement (PRE): new twists on an old topic
- O6 Lounila, Juhani: Probing complex materials with relaxation of inert fluorinated gases
- O7 Kovacs, Helena: NMR for modern times
- O8 Fujii, Naoyuki: Newly developed hardware and software features
- O9 Frydman, Lucio: Progress in "ultrafast" multidimensional NMR
- O10 Nonappa: Self-assembly leading to the gelation: a solid state NMR study
- O11 Özcan, Nergiz: Cluster calculations of ESR parameters of the positively charged oxygen vacancy in bulk semiconductor tin dioxide SnO<sub>2</sub>
- O12 Bowers, Clifford R.: Probing electron-nuclear spin interactions in quantum wells by resistively detected nuclear magnetic resonance

## Poster presentations:

- P1 Hanni, Matti: Simulation of Xe NMR relaxation in the gas phase
- P2 Hylkinen, Leo: Altered affinity from TIM derived biocatalysts: protein ligand interactions studied by NMR
- P3 Ikäläinen, Suvi: NMR parameters of large planar hydrocarbons approaching graphene
- P4 Jurček, Ondřej: NMR studies on a bile acid decorated Salophene-metal complex
- P5 Karjalainen, Jouni: Structure of a Gay-Berne liquid crystal in cylindrical nano- and mesocavities by Monte Carlo molecular simulations
- P6 Kavakka, Jari: Polymer assisted DOSY experiments – TLC in NMR tube?
- P7 Kekkonen, Päivi M.: The effect of thermal modification on the dimensions of pores in *Pinus Sylvestris* as studied by PGSTE NMR
- P8 King, Alistair W. T.: Rapid degree of substitution and purity determination of cellulose esters using  $^{31}\text{P}$  NMR
- P9 Koivukorpi, Juha: NMR studies of deoxycholic acid alkylamido-phenylurea derived organogelators
- P10 Kolehmainen, Erkki: Steric effect in quadruple hydrogen bonded dimer formation of 2-(*N*-acyl)amino-7-hydroxy-1,8-naphthyridines
- P11 Kolehmainen, Erkki: Liquid and solid state NMR studies of 2,7-disubstituted 1,8-naphthyridines
- P12 Koskela, Harri: Mass-sensitive microcoil probe head in trace analysis of chemicals related to the chemical weapons convention
- P13 Koskela, Outi: Studying structure of large modular proteins using RDCs
- P14 Kulminskaya, Natalia V.: Research of the topazes crystals by nuclear magnetic resonance method
- P15 Kyburz, Annika: Structural studies of the cell-shape determining protein MreC of *Bacillus subtilis*
- P16 Lantto, Perttu: Modelling Xe chemical shifts due to interaction with single-wall carbon nanotubes
- P17 Lehtivarjo, Juuso: Use of  $^1\text{H}$  chemical shift prediction for protein structure evaluation
- P18 Noponen, Virpi: Solid and gel state studies of amides of bile acids and L-methionine methyl ester
- P19 Pääkkönen, Mirva: Effects of soil usnic acid to ecosystem
- P20 Pelttari, Silja: High yield protein expression of isotope labeled monomeric triosephosphate isomerase
- P21 Rätty, Anne: Application of xenon porosimetry to determination of pore size distribution of membranes
- P22 Selent, Marcin: Computational study of the chemical shift of  $^{129}\text{Xe}$  gas confined in hydroquinone clathrate cage
- P23 Tallavaara, Pekka: Xenon and deuterium NMR study of thermotropic biaxial nematic liquid crystal
- P24 Tervonen, Henri: Freezing and melting behaviour of water absorbed in mortar as studied by  $^1\text{H}$  NMR cryoporometry and relaxometry
- P25 Tynkkynen, Tuulia: Spectral analysis of  $^1\text{H}$  NMR spectra of simple *n*-alkanes