

Solvation in Liquids

Lundi 28 Mars 2011 –Salle de l'UFR de Chimie, BâtC8

Matin (09h00-12h30)

- 09h00 : **A. Oleinikova**, Technical University of Dortmund
What determines the thermal stability of the hydrogen-bonded water network enveloping peptides ?
- 09h30 : **F. Palombo**, Department of Chemistry, University of Perugia
Molecular dynamics of alkali halide-acetone solutions
- 10h00 : **C. Toubin**, Phlam, Université de Lille1, Sciences and Technologies
Water assisted synthesis of organic molecules in the interstellar medium

10h30-11h00 : Coffee Break

- 11h00 : **M. Durand**, UMET, Université de Lille 1, Sciences and Technologies
Toward the prediction of solubilizing properties of organic solvents based on the COSMO-RS approach
- 11h30 : **I. Vyalov**, LASIR, Université de Lille1, Sciences and Technologies
Dynamics of small cellulose crystals in ionic liquid/cosolvents/supercritical CO₂
- 12h00 : **M. Oria**, LASIR, Université de Lille1, Sciences and Technologies
Solvent effects in bioinorganic chemistry

Après-midi (14h00-17h30) :

- 14h00 : **B. Bocquet**, IEMN, Université de Lille 1, Sciences and Technologies
Lab-on-Chip: The THz spectroscopy
- 14h30 : **G. Bellavia**, UMET, Université de Lille 1, Sciences and Technologies
Protein stability enhanced by small amount of co-solvent
- 15h00 **A. Idrissi**, LASIR, Université de Lille 1, Sciences and Technologies
Local structure in sub and supercritical ammonia : A Voronoi polyhedra analysis.

- 15h30-16h00 : Coffee Break
- 16h00 : **K. Polok**, Laboratory of Physicochemistry of Dielectrics and Magnetism
Department of Chemistry, University of Warsaw
Acetone/methanol mixture : Kerr effect and molecular dynamics analysis
- 16h30 : **B. Chazallon**, Phlam, Université de Lille1, Sciences and Technologies
Hydration of light organic compounds in ice
- 17h00 : **M. Ziskind**, Phlam, Université de Lille1, Sciences and Technologies
Studies of mechanism of formation of molecular hydrated cluster of biological and atmospheric interest produced by laser resonant desorption

Organisation : A. Idrissi (LASIR), F. Affouard(UMET), B. Chazallon (PHLAM)

