

## “Experiment and Modelling in Structural NMR”

Winter- School: November 28 – December 2, 2011  
INSTN – CEA Saclay, France

### TOPICS & TEACHERS

History, general principles

Formalism and Interactions

Molecular Modelling

Bio-Solid State NMR

Anisotropy for Conformational Studies

Oriented media

Techniques of solid-state NMR

NMR Crystallography

3D Modern Techniques

Interactions ligand-macromolecules

Bioinformatics-protein assembly

Materials Modelling & Simulations

DFT calculations of NMR parameters

Inorganic Materials - Ceramics

Amorphous materials

Hyper polarization

Fast NMR

NMR Diffusometry: Dynamics in Complex Systems

**M. Goldman**, CEA Saclay

**H. Desvaux**, CEA Saclay

**M. Nilges**, Institut Pasteur

**H. Oschkinat**, University of Berlin

**M. Blackledge**, CEA Grenoble

**D. Merlet**, Paris-Sud 11, Orsay

**D. Massiot**, CNRS Orléans

**F. Taulelle**, UVSQ

**N. Birlirakis**, ICSN CNRS

**G. Lippens**, University of Lille

**R. Guérois**, CEA Saclay

**C. Meis**, INSTN – CEA, Saclay

**J. Yates**, Oxford University

**S. Ashbrook**, University of St Andrews

**T. Charpentier**, CEA Saclay

**G. De Paepe**, INAC Grenoble

**N. Giraud**, Paris-Sud 11, Orsay

**R. Kimmich**, University of ULM



**Information:** Patrick BERTHAULT [patrick.berthault@cea.fr](mailto:patrick.berthault@cea.fr)  
Thibault CHARPENTIER [thibault.charpentier@cea.fr](mailto:thibault.charpentier@cea.fr)  
Constantin MEIS [constantin.meis@cea.fr](mailto:constantin.meis@cea.fr)

**Secretary:** Dominique PARISOT +33 1 69 08 48 82  
**Registrations:** [dominique.parisot@cea.fr](mailto:dominique.parisot@cea.fr)

**Further information:** <http://www-instn.cea.fr> (events 2011)