

ECMM09 Satellite Meeting on Magnetic Anisotropy, 3-4 October 2009
Congress Centre of the Wroclaw University of Technology, Wroclaw-Poland

Programme

Saturday 3 October

16.00 : Welcome

Session I (Y. Journaux)

16.30-17.10: Angle-resolved magnetometry for determination of magnetic anisotropy in low symmetry environments (**R. Sessoli, Florence-Italy**)

17.15-17.55: Magnetocrystalline anisotropy studies by magnetic and specific heat measurements (**M. Novak, Rio de Janeiro-Brasil**)

18.00-18.20: Polarised neutron diffraction study of anisotropy in a dinuclear cobalt complex (**A. Borta, Lyon-France**)

17.20-18.40: Coffee Break

Session II (T. Mallah)

18.40-19.20: Magnetic anisotropy of metal-organic supramolecular layers adsorbed on surfaces (**P. Gambardella, Barcelona-Spain**)

19.25-19.45: Hexanuclear manganese(III) single molecule magnets based on salicylamidoxime (**J. Martinez-Lillo, Paris-France**)

20.30: Dinner

Sunday 4 October

Session III (A. Powell)

9.00-9.40: Magnetic anisotropy from EPR spectroscopy (**E. McInnes, Manchester-UK**)

9.45-10.25: HF-EPR study of the magnetic anisotropy of Fe₄ SMM (**A.-L. Barra, Grenoble-France**)

10.30-10.50: Coffee Break

Session IV (R. Clérac)

10.50-11.30: Theoretical determination of the ZFS tensor from the effective Hamiltonian theory and correlated ab initio calculations for mono- and bi-metallic complexes (**N. Guihéry, Toulouse-France**)

11.35-12.15: Exchange Anisotropy as a Source of the Molecular Magnetic Anisotropy and the Spin-reversal Barrier: Towards High-temperature Single-molecule Magnets (**V. Mironov, Moscow-Russia**)

12.30-14.00: Lunch

Session V (N. Suaud)

14.00-14.40: Single-Molecule Magnets Based on Lanthanide Polyoxometalates: Ligand-Field Determination (**J. M. Clemente, Valencia-Spain**)

14.45-15.05: Study of the magnetic anisotropy in Lanthanide-based Single Molecule Magnets by ab initio methods (**J. Luzon, Florence-Italy**)

15.10-15.30: Unusual coordination numbers as source for enhanced magnetic anisotropy (**J.-P. Sutter, Toulouse-France**)

15.35 : Concluding Remarks