

Spin Dynamics

CHAIR: H. V. D. ZANT

- 14:00 J.-Y. Bigot (Strasbourg)
Ultrafast magneto-optics at the diffraction limit of light
- 14:40 A. Cornia (Modena)
Single-Molecule magnets at surfaces: Beyond imaging
- 15:10 L. Saminadayar (Grenoble)
Quantum coherence and Kondo effect in mesoscopic Physics
- 15:30 Break
- 16:00 – Poster Session
- 18:00
- 20:00 Work Shop Dinner

Wednesday, 1st October 2008

Nanoscaled Transport

CHAIR: P. GAMBARDELLA (BARCELONA)

- 8:30 H. v. D. Zant (Delft)
Transport spectroscopy of an individual single-molecule magnet in a three-terminal device
- 9:10 B. Doudin (Strasbourg)
Magnetoresistance properties of magnetic nanocontacts
- 10:00 Break
- 10:30 W. Wulfhekel (Karlsruhe)
Electron transport through single molecules
- 11:10 G. Hoffmann (Hamburg)
Adsorption and agglomeration of paramagnetic metallo porphyrinoids
- 11:30 Conclusion by M. Ruben (Karlsruhe)



EUROCORES Programme
European Collaborative Research

SONS II
Self Organised Nanostructures



SCIENTIFIC
PROGRAM

WORKSHOP

Magnetism at Surfaces

Hotel Magnetberg, Baden-Baden
28th September – 1st October 2008

Sunday, 28th September 2008

CHAIR: M. RUBEN

- 18:00 P. Grünberg (Jülich, Nobel Prize of Physics 2007)
Giant Magnetic Resistance (GMR)
- 20:00 Dinner

Monday, 29th September 2008

Molecular Magnetism

CHAIR: T. MALLAH

- 8:10 P. Bressler, ESF (Strasbourg),
The Eurocores-Program
- 8:30 B. Barbara (Grenoble)
Quantum coherence of mesoscopic spins and molecules
- 9:10 J.-P. Bucher (Strasbourg)
Interaction of atoms and molecules with magnetic leads: visualizing the spin of single molecules by SP-STM
- 9:40 G. Rogez (Strasbourg)
Facile route to functional layered magnets
- 10:00 Break

Magnetic Nanoparticles

CHAIR: D. GUILLON

- 10:30 B. Chaudret (Toulouse)
Magnetic organometallic nanoparticles : Control of chemical order
- 11:10 A. Hütten (Bielefeld)
Magnetic nanoparticles: Fundamentals and applications

- 11:40 G. Pourroy (Strasbourg)
Dendrimer functionalisation of Iron oxide magnetic nanoparticles: biomedical applications and elaboration of films

12:00 Lunch

Molecular Self-Assembly

CHAIR: M. DRILLON

- 14:00 A. Bousseksou (Toulouse)
Spin crossover phenomenon: Fast switching at room temperature, thin films, nanotechnology and devices
- 14:40 T. Mallah (Paris)
Organizing molecular magnets on Silicon
- 15:10 S. Stepanow (Stuttgart)
Molecular self-assembly at surfaces: A novel route to steer magnetic properties at interfaces
- 15:30 Break

Surface-confined Coordination Chemistry

CHAIR: K. KERN

- 16:00 H. Brune (Lausanne)
Nanostructure superlattices – Self-assembly and magnetic properties
- 16:40 M. Bröring (Marburg)
Gas phase deposition and STM study of metallocorroles on Cu
- 17:10 D. Kühne (München)
Organic and co-directed assembly of nanoporous networks from hexaphenyl-dicarbonitrile molecules on the Ag(111) surface
- 19:00 Dinner

Tuesday, 30th September 2008

Surface Characterisation

CHAIR: J.-P. KAPPLER (STRASBOURG)

- 8:30 P. Gambardella (Barcelona)
Supramolecular control of the magnetic anisotropy in two-dimensional high-spin Fe arrays at a metal interface
- 9:10 H. Wende (Duisburg)
Magnetic coupling of Fe-porphyrin molecules to ferromagnetic surfaces
- 9:50 J.V. Barth (München)
Porphyrins on metal surfaces: How to control assembly and functionality
- 10:10 Break

Theoretical Modelling

CHAIR: B. BARBARA

- 10:30 S. Blügel (Jülich)
Discovery of homochirality in low-dimensional magnets
- 11:10 C. Massobrio (Strasbourg)
Morphology and diffusion mechanisms in nanosystems: A molecular dynamics approach
- 11:40 V. Meded (Karlsruhe)
Single-molecule transport
- 12:00 Lunch