

# Mid Term Review Workshop

## Towards Molecular Spintronics



„Altes Heizhaus“, TU Chemnitz

### Friday, 27 January 2012

09:00 - 09:20	Welcoming Address	Salvan
09:20 - 09:50	Modular Approaches for the Construction of High-Spin Molecules, Multimetallic Complexes, and Molecular Layers (25 min talk + 5 min discussion)	Rüffer
09:50 - 10:20	Molecular Spintronic Materials: Theoretical Aspects, Properties and Applications (25 min talk + 5 min discussion)	Hahn
10:20 - 10:50	Break	
10:50 - 11:20	Magnetic Properties of Molecular Complexes (25 minutes talk + 5 minutes discussion)	Krupskaya
11:20 - 11:50	Towards Molecular Spintronics - Spectroscopy of Interfaces (25 minutes talk + 5 minutes discussion)	Hess
11:50 - 12:20	Device Fabrication and Characterization (25 minutes talk + 5 minutes discussion)	Bof' Bufon
12:20 - 14:00	Buffet + Poster Session	
from 14:00	Round Table Discussion	

UNIVERSITÄT LEIPZIG



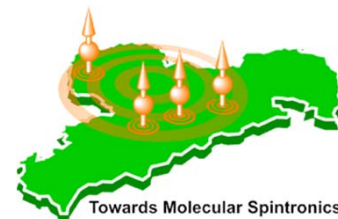
TECHNISCHE UNIVERSITÄT  
CHEMNITZ



TECHNISCHE  
UNIVERSITÄT  
DRESDEN



Leibniz-Institut  
für Festkörper- und  
Werkstofforschung  
Dresden



Towards Molecular Spintronics

# Mid Term Review Workshop

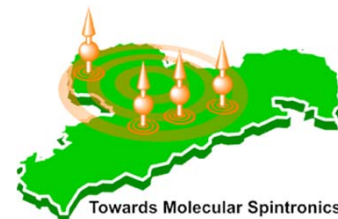
## Towards Molecular Spintronics

### Poster Session

SP1	Decoration of Paramagnetic Molecules with Ambidentate Ligands for Covalent Surface Fixation	Lach, Golecki, Lehmann, Kersting, Krupskaya, Kataev, Lungwitz, Salvan, Zahn
SP2	Optimization of Spin Coated Thin Films Based on Bis(Oxamato) Type Complexes Towards Magneto-Optical Applications	Eya'ane Meva, Abdulmalic, Ruffer, Fronk, Salvan, Bräuer
SP2	Structure Type Impact of Solid State Structure of Trimetallic Complexes on Thin Films	Eya'ane Meva, Ruffer
SP2	Heterocycles with Directly-Bonded Ferrocenyl Termini as Multi-Redox Systems	Pfaff, Hildebrandt, Schaarschmidt, Ruffer, Lang
SP2	Synthesis and Characterization of Metallophthalocyanines and Metalloporphyrins	Mende, Ruffer, Lang
SP2	Synthesis of High-Spin Dendritic Bis(Oxamato) Bridged Complexes	Rühlig, Mothes, Ruffer, Lang
SP3	The Influence of Oxygen on the Optical Absorption Behavior of MnPc	Friedrich, Hahn, Kortus, Haidu, Fronk, Salvan, Zahn, Schlesinger, Mehring, Roth, Mahns, Knupfer
SP3	Many-Particle Effects and Spatial Resolution: Simulation of STM Images with the Master Equation	Ludwig, Timm, Hahn Kortus
SP4	High-Field ESR and Magnetization Studies of Ni-Based Di- and Trinuclear Molecular Complexes	Krupskaya, Alfonsov, Parameswaran, Kataev, Klingeler, Steinfeld, Beyer, Gressenbuch, Kersting, Büchner
SP4	Electron Paramagnetic Resonance of Cu(II)-Bis(Oxamato) Complexes	Aliabadi, Petr, Kataev, Büchner, Abdulmalic, Ruffer
SP5	Electronic Structure and Spin Dynamics in Transition Metal Molecular Complexes	Günther, Yeche, Klauss, Kersting, Ruffer, Lang, Plass, Gruschinski, Abdulmalic, Hildebrandt, Pfaff, Krupskaya, Kataev

UNIVERSITÄT LEIPZIG

TECHNISCHE UNIVERSITÄT  
CHEMNITZTECHNISCHE  
UNIVERSITÄT  
DRESDENLeibniz-Institut  
für Festkörper- und  
Werkstofforschung  
Dresden



# Mid Term Review Workshop

## Towards Molecular Spintronics

### Poster Session

SP6	In-Situ Growth of Graphene, Hydrogenation and Scanning Tunneling Microscopy	Scheffler, Haberer, Pohle, Hänke, Schlegel, Baumann, Grüneis, Knupfer, Hess, Büchner
SP6	Scanning Tunneling Microscopy of Cobalt-Phthalocyanine on Graphite	Salazar, Scheffler, Schlegel, Hänke, Baumann, Smykalla, Toader, Hietschold, Hess, Büchner
SP6	Comparative STM Study of Bis(Phthalocyaninato)Lutetium(III) on HOPG and Ag(110)	Smykalla, Hietschold
SP7	Hybrid States and Charge Transfer at a Phthalocyanine Heterojunction: MnPc $\delta^+$ /F16CoPc $\delta^-$	Lindner, Knupfer, Friedrich, Hahn, Kortus
SP7	Electronic and Vibrational Properties of Potassium Doped Manganese Phthalocyanine	Mahns, Ludemann, Roth, Kraus, Lohse, Friedrich, Grobosch, Gordan, Knupfer, Kortus, Zahn
SP8	Comprehensive Survey of the Magneto-Optical Properties of Metal-Phthalocyanine Films at Room Temperature with Comparison to Low Temperature	Fronk, Zahn, Salvan
SP8	Laterally Stacked Devices for Molecular Spintronics Fabricated by a SCREAM Like Technology	Reuter, Ghosh, Rennau, Hiller, Salvan, Fronk, Zahn
SP9	Direct Tunneling to Field-Emission Transition in Ferromagnetic-Organic Heterojunctions	Navarro Fuentes, Bof Bufon, Schmidt.
SP9	Transport Properties of CuPc Thin Films Connected by Au Nanomembranes	Bof Bufon, Vervacke, Thurmer, Fronk, Salvan, Lindner, Knupfer, Zahn, Schmidt

UNIVERSITÄT LEIPZIG

TECHNISCHE UNIVERSITÄT  
CHEMNITZTECHNISCHE  
UNIVERSITÄT  
DRESDENLeibniz-Institut  
für Festkörper- und  
Werkstofforschung  
Dresden