

Symposium Magnetic/Organic Interfaces and Molecular Magnetism (SYMO)

jointly organized by
 the Magnetism Division (MA),
 the Chemical and Polymer Physics Division (CPP),
 the Thin Films Division (DS),
 the Semiconductor Physics Division (HL),
 the Surface Science Division (O), and
 the Low Temperature Physics Division (TT)

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The combination of molecular magnetism and surface science proved to be a very productive basis for the aggregation and manipulation of magnetic molecules on well defined supports. The aim is twofold: fundamental research focuses at an understanding of the molecule-surface interaction, whereas the applied interest is in developing devices that can be addressed as local magnetic bits or used in spintronics or quantum computing. On the molecular side advanced coordination chemistry and characterization tools enable us to develop interesting quantum spin systems with the appropriate internal structure that is needed for certain phenomena.

Overview of Invited Talks and Sessions

(Lecture room: HSZ 02)

Invited Talks

SYMO 1.1	Mon	9:30–10:00	HSZ 02	Molecular quantum spintronics with single-molecule magnets — •WOLFGANG WERNSDORFER
SYMO 1.2	Mon	10:00–10:30	HSZ 02	EPR Studies of Rare-Earth Molecular Nanomagnets — •STEPHEN HILL, SANHITA GHOSH, DORSA KOMIJANI, SALVADOR CARDONA-SERRA, JOSE-JAIME BALDOVI, YAN DUAN, ALEJANDRO GAITA-ARINO, EUGENIO CORONADO
SYMO 1.3	Mon	10:45–11:15	HSZ 02	On-surface magnetochemistry of spin-bearing metalorganic molecules — •PETER M. OPPENEER, KARTICK TARAFDER, EHESAN ALI, NIRMALYA BALLAV, CHRISTIAN WÄCKERLIN, THOMAS A. JUNG
SYMO 1.4	Mon	11:15–11:45	HSZ 02	Interfacing single-molecule magnets with metals — •ANDREA CORNIA, VALERIA LANZILOTTO, LUIGI MALAVOLTI, MATTEO MANNINI, MAURO PERFETTI, LUCA RIGAMONTI, ROBERTA SESSOLI
SYMO 1.5	Mon	11:45–12:15	HSZ 02	Linking magnetic molecules to themselves, to others and to surfaces — •RICHARD WINPENNY

Sessions

SYMO 1.1–1.5	Mon	9:30–12:15	HSZ 02	Magnetic/Organic Interfaces and Molecular Magnetism
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