



**MAGNETIC MOLECULES**

**ON SURFACE**

08-09 March 2021

VIRTUAL WORKSHOP PROGRAM





# PROGRAM

Monday March 08, 2021

Zoom Link: <https://u-paris.zoom.us/j/89116528848?pwd=cmJvRVFNc2Y3VEJ6Q2M4bndVMnBkZz09>

schedule	title	name
09:25-09:30	INTRODUCTION	C. Barreteau
09:30-10:10	<i>Single spin manipulation with an electric field using ESR-STM</i>	N. Lorente
10:10-10:30	Reversible Coordination-Induced Spin-State Switching in complexes on Metal Surfaces	M. Gruber
10:30-11:10	<i>1D coordination polymers: on-surface synthesis and transport properties</i>	P. Jelinek
11:10-11:30	Virtual Coffee break + <a href="#">COSMICS movie animation</a> .	
11:30-12:10	<i>Spin Signals from Single-Molecule Devices</i>	H.S.J. Van der Zant
12:10-12:30	<i>From single molecule magnets on a type I superconductor to novel organometallic compounds: recent advances in magnetic molecules on surfaces</i>	G. Serrano
12:30-13:50	Lunch break	
13:50-14:10	<i>Temperature-dependent characteristics of evaporated SCO tunnel junctions</i>	M. Gonidec
14:10-14:50	<i>Manipulating the spin state of molecules on surfaces</i>	W. Kuch
14:50-15:10	<i>Anisotropic exchange interaction between a molecular spin and a magnetic surface</i>	E. Rentschler
15:10-15:30	Break	
15:30-15:50	<i>Molecule-surface magnetic interaction in a simple IONP-SMM model</i>	E.C. Sanudo
15:50-16:30	<i>On-Surface Synthesis and Characterisation of Metal-Organic Complexes</i>	W. Auwärter

## Tuesday March 09, 2021

Zoom link: <https://u-paris.zoom.us/j/81012559025?pwd=SXo5RHhN3Y1dzY1I2NDdEe0Y1ZzY2QT09>

schedule	title	name
09:30-10:10	<i>Spin-crossover Fe(II) complex on gold surface: a combined study using wavefunction and DFT-based approaches</i>	C.J. Calzado
10:10-10:30	<i>Influence of a metallic substrate on spin crossover molecular layers</i>	A. Bellec
10:30-10:50	<i>Kondo effect and spin excitations in molecular devices from first-principles calculations</i>	A. Droghetti
10:50-11:10	<i>Recent developments in QuantumATK for atomistic simulation of magnetic and spin</i>	T. Markussen
11:10-11:30	Virtual Coffee break	
11:30-12:10	<i>Room Temperature Magnetoresistance Devices</i>	E. Ruiz
12:10-12:30	<i>Spin Crossover based Spintronic Devices: processing and characterizing thin films of sublimable [Fe(pyrz)<sub>2</sub>] and [Fe(bpz)<sub>2</sub>(btz)]</i>	M. Gavara-Edo
12:30-13:50	Lunch break	
13:50-14:30	<i>Ab initio modeling of transition metal compounds using the extended DFT+U+V with self-consistent Hubbard parameters</i>	M. Cococcioni
14:30-14:50	<i>Spin Crossover based Spintronic Device: Electrical characterization</i>	S.Elidrissi-Moubtassim
14:50-15:30	<i>Molecular quantum physics in vertical solid-state spintronic devices.</i>	M. Bowen
15:30-15:50	break	
15:50-16:10	<i>High Frequency EPR: New Tools for Investigating Thin Layers of Molecular Magnets.</i>	L. Tesi
16:10-16:30	<i>Interfaces with molecular layers: new functionalities for spintronics. The case of LSMO</i>	I. Bergenti
16:30	Closing	