

**MC 27 Carbon-based nanostructures with engineered electronic and spin properties I**

Tuesday, 3 September, morning

Chair(s): Pascal Ruffieux

Room:

Hours	ID	Name	Type	Title
10:30	13555	Diego Peña	Invited	Design and synthesis of well-defined carbon-based nanostructures by on-surface organic chemistry
11:00	13917	Michal Juricek	Invited	Taming and unleashing open-shell graphene fragments
11:30	13675	Lucia Vitali	Oral	Thioetherification of Br-Mercaptobiphenyl Molecules on Au(111)
11:45	13496	Manuel Melle Franco	Oral	Understanding and predicting nanographenes and nanoribbons with enhanced properties
12:00	13758	Carlos A. Palma	Oral	Spin and electronic properties of N-containing sp ² - and sp ³ -carbon nanostructures
12:15	13179	Letizia Salvo	Oral	Cross-coupling of Pd-cyclometallated complexes on Ag(110).
12:30	12993	Stephan Bromley	Oral	From spin-polarised carbon-based molecules to nanostructured 2D quantum materials
12:45	13132	Ricardo Ortiz	Oral	Exchange interaction in π -d platforms as monomers of magnetic organic frameworks.

MC 27 Carbon-based nanostructures with engineered electronic and spin properties II

Tuesday, 3 September, afternoon

Chair(s): Arán García Lekue

Room:

Hours	ID	Name	Type	Title
16:00	13506	Roman Fasel	Invited	Nanographene Spin Chains
16:30	13660	Nacho Pascual	Invited	π -Paramagnetism in Azatriangulenes
17:00	13630	Antonio T. Costa	Oral	Beyond spin models in orbitally degenerate open-shell nanographenes
17:15	12435	Hongde Yu	Oral	Metal-free magnetism in two-dimensional polymers
17:30	12937	Beatriz Viña	Oral	Controlling magnetic interactions between S=1/2 spins at unusually large distances
17:45		Kaylan Biswas	Oral	Large Magnetic Exchange Coupling in On-Surface Synthesized Nanographenes Featuring Benzenoid and Non-Benzenoid Topologies
18:00	13863	Nils Krane	Oral	Exchange interactions and correlations in nanographene-based spin systems
18:15	13255	Diego Soler	Oral	Spin excitation and many-body physics in a poly-radical nanographene

MC 27 Carbon-based nanostructures with engineered electronic and spin properties III

Wednesday, 4 September, morning

Chair(s): Roman Fasel

Room:

Hours	ID	Name	Type	Title
10:30	13663	Yujeon Bae	Invited	Atomic-Scale Quantum Coherent Science with Spins on Surfaces
11:00	13854	S. Kovarik	Invited	Magnetic resonance of individual charge-transfer complexes on an ultrathin insulator investigated with STM
11:30	12909	Wantong Huang	Oral	Spin Engineering in Artificial Atom-Molecule Hybrids
11:45	12885	Kwan Ho Au-Yeung	Oral	Site-dependent spin coupling in switching in single iron phthalocyanine complexes
12:00	13453	Yelko del Castillo	Oral	Probing spin fractionalization with absolute magnetometry ESR-STM
12:15	13799	David Jacob	Oral	Demonstrating Kondo behavior by temperature-dependent scanning tunneling spectroscopy
12:30	12726	Gonçalo Catarina	Oral	Conformational tuning of magnetic interactions in coupled nanographenes
12:45	13111	Nataly Herrera	Oral	Self-assembled magnetic islands vertically stacked by successive capping with 2D material.

MC 27 Carbon-based nanostructures with engineered electronic and spin properties IV

Wednesday, 4 September, afternoon

Chair(s):

Room:

Hours	ID	Name	Type	Title
16:00	12536	José Lado	Invited	Hamiltonian learning, triplons, and high-order topological order in engineered nanoscale quantum magnets
16:30	13521	Aran García-Lekue	Invited	Tuning quantum electronic transport in 2D carbon-based nanoarchitectures
17:00	13853	Raúl I G Aviles	Oral	Tuning Electronic Transport with Polar Molecular Bridges in Nanoporous Graphene
17:15	12787	Luisa Madail	Oral	Exotic edge states of C3 high-fold fermions in honeycomb lattices
17:30	13637	Joao Henriques	Oral	Designer spin models in tunable two-dimensional nanographene lattices
17:45		Aires Ferreira	Oral	Nano-Qubits: Ultra-Fast All-Electrical Qubit Manipulation Using Geometric Confinement
18:00	12692	Fernando Delgado	Oral	Ferromagnetism on a single layer of 2D metal-organic network
18:15	13351	E. Lora da Silva	Oral	3D Dynamical Properties on a 2D Material



Poster Session

Thursday, 5 September, afternoon

ID	Name	Title
13088	Lenka Cerna	On-surface Synthesis of π -Magnetic Au-Coordinated Porphyrins
13859	Fei Gao	Tunable spin and transport in porphyrin- graphene nanoribbon hybrids
13921	Pauline Pfister	Nonacethrene: towards a carbon-based magnetic switch
12653	Joao Henriques	Anatomy of linear and non-linear molecular exchange in S = 1 nanographenes
12789	Ola Alayan	Pd-cyclometalated molecules on HOPG