

## MC46 Charge and spin transport in low-symmetry, topological and magnetic materials I

Tuesday, 3 September, morning

Chair:

Room:

Hours	ID	Name	Type	Title
10h30		Yoshichika Otani	Invited	Orbital Edelstein effect and long-distance diffusive propagation
11h00	13417	Eoin Dolan	Oral	Switching spin-charge interconversion mechanisms via back-gate voltage in a graphene/ReS <sub>2</sub> van der Waals heterostructure
11h15	13805	Mafalda Moreira	Oral	Bridging the gap between Spintronics and Flexible Technology using 3D Topological Insulators
11h30	13729	Julien Bréhin	Oral	Towards Bi-based spintronics logic devices
11h45	13192	V.N. Mantsevich	Oral	Current-induced spin accumulation in a quantum dot: Kondo effect and spin Nernst effect
12h00	13730	Carlos E. Roque	Oral	Micro-Grating Structures of Topological Insulator: From Plasmonics To Spintronics
12h15	12980	M. Governale	Oral	Topological nano-switches in higher-order topological insulators
12h30	12803	Andreas Kreisel	Oral	Minimal Models for Altermagnetism
12h45	12812	S. Stavić	Oral	Altermagnet or weak ferromagnet: the case of two-dimensional RuF <sub>4</sub>

## MC46 Charge and spin transport in low-symmetry, topological and magnetic materials II

Tuesday, 3 September, afternoon

Chair:

Room:

Hours	ID	Name	Type	Title
16h00	13463	Ivo Souza	Invited	Chiral effects in trigonal tellurium
16h30	13499	A. Kazantsev	Oral	Hall effect and transport of non-conserved charges
16h45	12744	L. Medel Onofre	Oral	Planar Hall effect in Weyl semimetals induced by pseudoelectromagnetic fields
17h00	13259	H. Siampour	Oral	Controlled Excitation of Quantum Dot Spins on a Semiconductor Chip
17h15	13894	Silke Paschen	Oral	Designing strongly correlated topological semimetals

17h30	13615	Pankaj Mandal	Oral	Magnetically tunable supercurrent in dilute magnetic topological insulator-based Josephson junction
17h45	12615	Simone Traverso	Oral	Emerging topological bound states in (superconducting) Haldane model zigzag nanoribbons
18h00	12698	Matteo Carrega	Oral	Half-integer Shapiro Steps in Highly Transmissive InSb Nanoflag Josephson Junctions
18h15	13062	Sara Catalano	Oral	Tunnelling spectroscopy and Josephson coupling through EuS/Al interfaces.

### Poster Session

Tuesday, 3 September

ID	Name	Title
13505	DȂA Deaconu	Band-asymmetry-driven nonreciprocal electronic transport in a helimagnetic semimetal $\alpha$ -EuP3
13429	Alexey Ermakov	Transport Properties in Quantum Spin Liquids: Insights into Majorana Fermions and Topological Matter
13427	A. Daria Dumitriu-I	First-order effect of electron-electron interactions on the anomalous Hall conductivity of massive Dirac fermions
13041	R. M. S. Barbosa	Nonlinear anomalous transport in multiple Weyl points
12745	L. Medel Onofre	Planar Hall effect in Weyl semimetals induced by pseudoelectromagnetic fields