

**MC 32 Topological and chiral superconductor and magnetic nanostructures I**

Thursday, 5 September, morning

Chair: Córdoba, Villegas

Room:

Hours	ID	Name	Type	Title
10h30	13038	Javier E. Villegas	Invited	Spin dynamics and supercurrents in superconductor/ferromagnet heterostructures
11h00	13527	Vladimir M. Fomin	Invited	Superconductor 3D Nanoarchitectures
11h30	13866	Igor Bogush	Oral	Non-Reciprocity Phenomena in Superconductor Open Nanotubes and Nanopetals
11h45	12734	Kaveh Lahabi	Invited	The unusual distribution of spin-triplet supercurrents in geometrically curved Josephson junctions
12h15	13918	Vadim Plastovets	Invited	Superconducting vortex pinned by a planar defect
12h45			Round Table	Main Outcomes, New Research Routes and Perspectives

MC 32 Topological and chiral superconductor and magnetic nanostructures II

Thursday, 5 September, afternoon

Chair: Makarov, Schmidt

Room:

Hours	ID	Name	Type	Title
16h00	13811	Gleb Kakazei	Invited	Route to obtain radial magnetic vortices
16h30	12543	Denys Makarov	Invited	Effects of geometry and topology in curvilinear magnetism
17h00	12728	Oleksandr Pylypovskiy	Oral	Surface-symmetry-driven Dzyaloshinskii-Moriya interaction in collinear antiferromagnets
17h15	12555	Oleksandr Dobrovolskiy	Invited	3D Nanoarchitectures for Fluxonics and Magnonics
17h45	12984	Thomas Schmidt	Invited	Quantum skyrmions in Heisenberg ferromagnets
18h15			Round Table	Main Outcomes, New Research Routes and Perspectives

**MC 32 Topological and chiral superconductor and magnetic nanostructures**

Friday, 6 September, morning

Chair: Kakazei, Fomin

Room:

Hours	ID	Name	Type	Title
9h00	13089	Dieter Koelle	Invited	YBa ₂ Cu ₃ O ₇ Josephson junctions and SQUIDs nanopatterned with focused ion beams
9h30	12697	Matteo Carrega	Invited	Supercurrent diode effect in hybrid Josephson junction
10h00	13793	Ignacio Sardinero	Oral	Current-phase relation in Fibonacci Josephson junctions
10h15	12884	Carmine Ortix	Invited	Nonlinear transport induced by the Berry curvature of Bloch electrons
10h45	12247	Toni Shiroka	Oral	Weyl fermion excitations in the CuTlSe ₂ semimetal
11h00	12399	Daniel de las Heras	Oral	Simultaneous and independent topological control of identical magnetic microparticles
11h15			Round table	Main Outcomes, New Research Routes and Perspectives