

**MC19 Topological materials for novel electronic devices: towards room temperature applications I**

Wednesday, 4 September, morning

Chair: Brinkman

Room:

Hours	ID	Name	Type	Title
10h30-11h00	13230	Claessen	Invited	Topology and Hidden Honeycomb Physics in a Triangular Atom Lattice: Indene on SiC(0001)
11h00-11h30	13787	Isaeva	Invited	Materials design of intrinsic magnetic topological insulators towards higher Curie temperature
11h30-12h00	13808	Pereira	Invited	Bi ₂ Te ₃ thin films and magnetic heterostructures grown by molecular beam epitaxy
12h00-12h15	15135	Volobuev	Oral	Topological semimetal phases of grey-Sn as a future platform for spintronic devices
12h15-12h30	13319	Brito	Oral	Wafer-scale fabrication of epitaxial topological insulator Bi ₂ Se ₃ top-gate devices by molecular beam epitaxy
12h30-13h00				Collaborations and project discussion Lombardi

MC19 Topological materials for novel electronic devices: towards room temperature applications II

Wednesday, 4 September, afternoon

Chair: Rosário

Room:

Hours	ID	Name	Type	Title
16h00-16h30	13534	Lombardi	Invited	Tunable Topological Insulator Quantum dots
16h30-17h00	12756	Kölling	Invited	Current-induced spin polarization on the surface of a topological insulator
17h00-17h30	12573	Röper	Invited	Microwave transport in quantum anomalous hall edge state
17h30-17h45	13447	Fijalkowski	Oral	Towards a quantum resistance standard based on the quantum anomalous Hall effect
17h45-18h00	12844	Rocchino	Oral	A transistor based on magneto-resistive modulation of the Weyl semimetal NbP
18h00-18h15	13548	Peters	Oral	Fabrication of topological insulator Bi ₂ Se ₃ Photodetectors for Photo Galvanic Applications
18h15-18h30	13731	Fernandes	Oral	Magnetization Switching in Topological Insulator Spin-Valve



MC19 Topological materials for novel electronic devices: towards room temperature applications III

Thursday, 5 September, afternoon

Chair:

Room:

Hours	ID	Name	Type	Title
16h00-16h30	12806	Dufouleur	Invited	Non-Hermitian topology in multi-terminal devices: from fundamental to applications
16h30-17h00	12867	Schirmann	Invited	Amorphous Topological Matter
17h00-17h15	13127	Sorbello	Oral	Floquet engineering in topoelectrical circuits
17h15-17h30	13841	García-Pina	Oral	Topology of functionalized 5-Armchair graphene nanoribbons
17h30-18h30				Final remarks & collaborations and project discussion