

**MC15 Mesoscopic superconductivity and quantum circuits I**

Monday, 2 September, morning. Session: Ballistic transport & size effects

Chair(s): IZ & RR

Room:

Hours	ID	Name	Type	Title
10h30-11h00	13849	Saskia Fischer	Invited	Ballistic Phonon Transport in Homoepitaxial β -Ga ₂ O ₃ Films
11h00-11h30	13217	Olivier Bourgeois	Invited	Phonon transport in asymmetric nanostructures in the ballistic regime
11h30-11h45	13108	P. M. Martinez	Oral	Ballistic-Diffusive Heat Transport Crossover in Molecular Junctions
11h45-12h00	12962	Guillaume Nataf	Oral	Spontaneous nanostructuring of ferroelectrics for thermal switches
12h00-12h15	13513	O. Mateos-Lopez	Oral	Heat transport across nanometre-sized gaps
12h15-12h30	13015	Catalina Coll	Oral	Thermal transport in Silicon Grain Boundaries: Localized vibrational states

MC13 Mesoscopic superconductivity and quantum circuits II

Monday, 2 September, afternoon. Session: Methods & phonon engineering

Chair(s): MS & AP

Room:

Hours	ID	Name	Type	Title
16h00-16h30	12889	Severine Gomes	Invited	Investigation of Heat Transport in Individual Nanostructures by Scanning Thermal Microscopy
16h30-16h45	13713	Aswathi K Sivan	Oral	Exploring Diameter-Dependent Ultrafast Phonon Dynamics in Germanium Nanowires
16h45-17h00	12804	Paolo Maioli	Oral	Nanothermics: ultrafast heat exchanges at solid and liquid interfaces
17h00-17h15	13020	S. Mishra	Oral	An optical technique to investigate thermal transport in correlated electron metals
17h15-17h30	13468	Johannes Trautvetter	Oral	InAs-InP Superlattice Nanowires with Tunable Phonon Frequencies
17h30-17h45	13912	E. R. C de Oliveira	Oral	Transport of gigahertz coherent acoustic phonons in GaAs/AlAs-based optophononic waveguides



MC13 Mesoscopic superconductivity and quantum circuits III

Tuesday, 3 September, morning. Session: 2D materials and nanoporous systems

Chair(s): MS

Room:

Hours	ID	Name	Type	Title
10h30-11h00	13592	Emigdio Chavez	Invited	Thermal transport across 2D-layered materials
11h00-11h15	12906	Carlotta Ragazzo Capello	Oral	Exploitation of Silicon NEMS/MEMS-compatible techniques for the manipulation of phonons
11h15-11h30	12883	Riccardo Dettori	Oral	Anomalous thermal transport in two-dimensional materials: insights from equilibrium and non-equilibrium molecular dynamics simulations
11h30-11h45	13599	Giulio de Vito	Oral	Suspended micro thermometer for anisotropic thermal transport measurements
11h45-12h15	13415	Laura de Sousa Oliveira	Invited	Super-suppression of long mean-free-path phonons in constricted nanoporous Si due to heat current anticorrelations