

Workshop program with speaker names and full titles

Time	Sunday 7 June	Monday 8 June	Tuesday 9 June	Wednesday 10 June
08:30		Opening / welcome	Eli Zeldov Reconfigurable chiral superconductivity	Francesco Tafuri Tunnel ferromagnetic Josephson junctions in transmon energy scale: the ferrotransmon
09:00		Eugenio Coronado Molecular spin-qubits integrated in quantum devices	Meydi Ferrier Probing the Protection of Topological Edge States: Interferences, High Frequency Susceptibility and Fluctuations of Supercurrent	Jonas Bekeart Monolayer materials as building blocks for superconducting quantum devices: An ab initio exploration
09:30		Yonathan Anahory Evidence of competing orders in few-layer NbSe ₂	Pablo San-José Transport between quarter-metallic and chiral superconducting domains in rhombohedral graphene	Abdou Hassanien Kondo screening and coupling of spin states on graphene nanoribbon
10:00		Marta Perego Gate-tunable twisted graphene: from individual vortex dynamics to hybrid quantum devices	Mitali Banerjee Gate-tunable double-dome superconductivity in twisted trilayer graphene	Daniela Stornauiolo From STO to KTO: Enhanced Spin-Orbit Coupling and Superconductivity in (111) Oxide Interfaces
10:30		Coffee break	Coffee break	Coffee break
11:00		Pertti Hakonen Voltage shot noise in superconducting nanowires	Yaojia Wang Superconductivity of a Kagome material and the global critical current phenomenon	Thijs Roskamp Towards nanoscale topographic and magnetic imaging with a wireframe SQUID on a self-sensing cantilever
				Jose Antonio Moreno Gapless Superconductivity From Extremely Dilute Magnetic Disorder in 2H-NbSe _{2-x} S _x
11:30		Senne Vervoort DC-operated SNS Josephson junction arrays as a cryogenic on-chip microwave measurement platform	Alexei Kalaboukhov Unconventional Superconductivity in Complex Oxide Interfaces: the role of interface stoichiometry and localized vibrational modes	Clara Palacios Microwave characterization of induced superconductivity in Al/InAs heterostructures
				Stevan Djurdjevic Anomalous and diode Josephson effect in SFFS junctions with interfacial Rashba spin-orbit coupling
12:00		Sorin Paraoanu Three-level superconducting devices: high-fidelity control techniques and applications	Filipp Kosuth Ising Superconductivity in non-centrosymmetric bulk 4Ha-NbSe ₂	Dieter Kölle SQUID-on-lever for magnetic imaging with spatial resolution below 100 nm
12:30		Lunch	Lunch	Closing and Lunch
14:00		Gabriel Sant'Ana Emergent Zeeman-Resilient Superconductivity Beyond the Spin-Paramagnetic Limit in Ultrathin NbBi ₃	Ramon Aguado From Majorana to Andreev and Back	
14:30		Christian Hess Unconventional Surface Superconductivity of t-PtBi ₂	Bhaskaran Muralidharan Probing true and false poor man's Majorana states via nonlocal shot noise	
15:00		Hermann Suderow Vortex lattice and superconductivity in two-dimensional surface superconductors: the case of PtBi ₂	Mikko Möttönen Superconducting qubits and millikelvin electronics aimed at scalable quantum processors	
15:30		Bernd Büchner Topological i-Wave Surface Superconductivity in PtBi ₂	Julia Baumgarten Magnetic landscape of NbTiN superconducting resonators under radio-frequency excitation	
16:00		Coffee break	Coffee break	
16:30		Rosa Córdoba Focused Ion Beam Direct-Write Nanofabrication of Superconducting Nanostructures and Devices	Oleksandr Dobrovolskiy Fast moving fluxons generate short-wavelength magnons	
17:00		Pol Forn Nitridized aluminum for applications in superconducting quantum circuits	Laxman Nagi High-Tc d-wave Superconductor/2D Transition-Metal Dichalcogenide Heterostructures for studies of superconducting proximity effect	
17:30		Eduardo Lee Signatures of edge states in a van der Waals antiferromagnetic Josephson junction	Thomas Bernat Composite Quantum Geometry of Bogoliubov-de Gennes Hamiltonians	
18:00		Remko Fermin The possible trivial role of spin-orbit coupling in planar Josephson junctions	Alexander Weitzel Superfluid stiffness in strongly disordered NbN superconducting films	
18:30	Welcome	Matyas Kocsis Strong Andreev bound state-to-photon coupling in a quantum dot based Josephson junction	Vladislav Pokorny Switchable superconducting molecular devices for information processing	
		Gualberto Miguel León Cuesta Contact-Induced weak links in Superconducting Nanowires Via the Inverse Proximity Effect		
19:00	Dinner	Dinner	Dinner	
		Poster	Poster	