Thursday 26/7

	Speaker	Talk
09:00 – 09:45	Paternostro	*Irreversible entropy production in non-equilibrium quantum processes*
09:45 – 10:30	Campisi	*Quantum Measurement Cooling*
10:30 – 11:00		Coffee Break
11:00 – 11:45	Metzler	*Anomalous Diffusion in Membranes and Cytoplasm of biological cells*
11:45 – 12:20	Hilfer	*Anomalous Bochner-Levy-Riesz Diffusion*
12:20 – 12:55	Radons	*Anti-Persistent Random Walks and Anomalous Deterministic Diffusion of Dissipative Solitons*
12:55 – 14:30		Lunch
14:30 – 15:15	Saveliev	*Modelling diffusive memristors for emulation neural dynamics and neuromorphic computer applications*
15:15 – 15:50	Rohwer	*Non-equilibrium forces following temperature quenches in classical fluids: the role of fluctuations and conservation laws*
15:50 – 16:25	Politi	*One dimensional phase ordering with long-range interactions*
16:25 – 16:55		Coffee Break
16:55 – 17:40	Rubi	*How environmental fluctuations affect the population behavior?*
17:40 – 18:00	Fiasconaro	*Modelling the DNA/RNA G-quadruplex mechanical unfolding*
18:00 – 18:20	Kabakcioglu	*Role of helicity in DNA hairpin folding dynamics*
18:20 – 18:40	Maynar	*Understanding confined systems with kinetic theory*
18:40 – 19:00	Rogers	*Maximum Entropy Closure for Nonequilibrium Statistical Mechanics*
19:00 – 19:45		Project Multistability Round Table

Friday 27/7

	Speaker	Talk
09:00 – 09:45	Ruffo	*Statistical physics of the Kuramoto model*
09:45 – 10:30	Ritort	*Q-stat thermodynamics: a new perspective on nonequilibrium phenomena*
10:30 – 11:00		Coffee Break
11:00 – 11:45	Fazio	*Boundary time crystals*
11:45 – 12:30	Lanzara	*Switching quantum materials properties with light*
12:30 – 13:05	Falci	*Probing Ultrastrong Coupling by Coherent Amplification of Population Transfer*
13:05 – 14:30		Lunch
14:30 – 15:15	Marino	*Orthogonality Catastrophe from dissipative impurities?*
15:15 – 16:00	Pekola	*Superconducting qubits as quantum refrigerators and heat switches*
16:00 – 16:30		Poster Session 1st Oral
16:30 – 17:00		Coffee Break
17:00 – 17:40		Poster Session 2nd Oral
17:40 – 19:30		Poster Session 3rd Discussion

Saturday 28/7

	Speaker	Talk
09:00 – 09:45	Livi	*Heat transport in low dimensions*
09:45 – 10:30	Seifert	*Stochastic thermodynamics: From principles to the cost of precision*
10:30 – 11:00		Coffee Break
11:00 – 11:35	Cuccoli	*Dynamics of Hybrid Quantum Systems*
11:35 – 11:55	Settino	*Dynamical properties of impenetrable bosons in optical lattices.*

Sunday 29/7

	Speaker	Talk
09:00 – 09:45	Vishveshwara	*Quantum quench dynamics in topological systems*
09:45 – 10:30	Kastner	*Speed limits in classical and quantum lattice models*
10:30 – 11:00		Coffee Break
11:00 – 11:45	Marinari	*The power spectrum for Fractional Brownian Motion: much information from few time trajectories.*
11:45 – 12:20	Barkai	*Quantum first detection problem*
12:20 – 12:55	Corberi	*Development of a large fluctuation in a statistical system.*
12:55 – 14:30		Lunch
14:30 – 15:10	Carollo	*Uhlmann curvature in dissipative phase transitions*
15:10 – 15:50	Braggio	*Majorana states in hybrid 2D Josephson junctions with ferromagnetic insulators*
15:50 – 16:30	Magazzù	*The driven spin-boson dynamics in a superconducting quantum circuit and the onset of resonant activation in the spin-boson model at strong dissipation*
16:25 – 16:55		Coffee Break
17:00 – 17:20	Leonforte	*Topological properties of fermionic systems at finite temperature*
17:20 – 17:40	Kopec	*Quantum glass of interacting bosons with off-diagonal disorder*
17:40 – 18:00	Bascone	*Kitaev's honeycomb model at finite temperature: topological properties*
18:00 – 18:20	Mathey	*Fluctuation Induced First Order Phase Transitions in Open Floquet Systems*
18:20 – 16:55	Paladino	*1/f critical current noise in short ballistic graphene Josephson junctions*
16:55 – 19:15	Dell'Anna	*Supercritical entanglement, violation of cluster decomposition and anomalous dynamics in local quantum spin chains*

Monday 30/7

	Speaker	Talk
09:00 – 09:45	**Gambassi**	*Dynamical transitions, universality, and chaos in prethermal states*
09:45 – 10:30	**Silva**	*Quantum many-body Kapitza phases of periodically driven spin systems*
10:30 – 11:00		**Coffee Break**
11:00 – 11:35	**Lo Gullo**	*A self-consistent non-equilibrium Green's functions approach to interacting many-body quantum systems*
11:35 – 12:10	**Jussiau**	*Abrupt change in thermoelectric transport due to a quantum dot's bound state*
12:10 – 12:45	**Ciccarello**	*Collision Models in Quantum Thermodynamics*
12:45 – 13:05	**Novotný**	*Analytical calculation of phase bistability switching rates in dissipative Jaynes-Cummings model*
13:05 – 14:30		**Lunch**
14:30 – 15:00	**Spiechowicz**	*Quantum law for equipartition of energy*
15:00– 15:20	**Hovhannisyan**	*Autonomous thermal rotor in the quantum regime*
15:20 – 15:40	**Ha**	*Role of Localized Defect in 1D Driven Diffusive Flow*
15:40 – 16:00	**Iubini**	*Coupled transport phenomena in chains of oscillators*
16:00 – 16:30	**Mulugeta**	*A spin-half system as a working substance of a heat engine: exploring its finite-time thermodynamic quantities*
16:30 – 17:00		**Coffee Break**
17:00 – 17:35	**Grassberger**	*Self-trapping self-repelling random walks*
17:35 – 18:10	**Guarcello**	*Soliton-based coherent caloritronics in long Josephson tunnel junctions*
18:00 – 19:30		**Closing Remarks Free Discussion**

Out of Equilibrium Anomalous Diffusion
Out of Equilibrium Classical Systems
Out of Equilibrium Quantum Systems

Poster Session

Posters will be exposed in the hall from Friday 08:30 to Friday 19:30
Poster discussion will be held in Friday from 17:40 – 19:30.
Poster session will be preceded by a brief oral presentation, 3 slides in 3 minutes, in which each participant will briefly show the focus and the main results of his poster, inviting listeners to view his poster.

Charalambous	*Two distinguishable impurities in BEC: squeezing and entanglement of two Bose polarons*
Dima	*A spin-half system as a working substance of a heat engine: exploring its finite-time thermodynamic quantities*
García	*Enskog equation for confined systems*
Hasegawa	*Quantized pumping via a single-level quantum dot in coherent transport region*
Jo	*Non-equilibrium phase transitions in dissipative open quantum system with long-range interaction*
Jung	*Expansion dynamics of a self-avoiding chain under cylindrical confinement*
Kharcheva	*Time and probability characteristics of steady-state Lévy flights in bistable potential*
Klyuev	*Relation of macroscopic parameters fluctuations with microscopic dynamics of magnetic monopoles in spin ice*
Koriazhkina	*Statistical analysis of memristor response to complex electric activity*
Mitsokapas	*Peak-End Memory: An Extension to Asymmetric Choices*
Piccitto	*Out of equilibrium long range interacting Ising chain: a cluster meanfield approach.*
Puglia	*Phase-Coherent Thermal Router*
Razzitte	*Entropy in multifractal non equilibrium structures of dielectric breakdown*
Rubtsov	*The creation of an interdisciplinary laboratory of stochastic multistable systems in the UNN*
Ryabov	*Diffusing up the hill: Dynamics and equipartition in highly unstable systems*
Safonov	*Relaxation times of steady-state concentration of diffusing particles in memristive systems*
Sliusarenko	*Model for Anomalous Diffusion with Finite Moments in Complex Medium*
Spiechowicz	*Subdiffusion via dynamical localization induced by thermal equilibrium fluctuations*
Suñé	*Efficiency fluctuations in cyclic machines*
Timchenko	*Atomic Motion in Out-of-Equilibrium Radiation*
Yamamoto	*Heat transport in a two-state system coupled with bosonic reservoirs*