

QUAST Retreat 2026 - Program



DAY 1 - MONDAY 14/9, STATUS QUO & PLANS

13:50 – 14:00		<i>Welcome</i>
14:00 – 14:30	(15+15)	P1 Quantum critical correlations and non-local interactions
14:30 – 15:00	(15+15)	P3 Correlated topological quantum matter
15:00 – 15:30	(15+15)	P4 Modelling the interplay of non-locality, topology and disorder in correlated systems
15:30 – 16:00		<i>Coffee break</i>
16:00 – 16:30	(15+15)	P7 Coherent propagation and decay of excitations
16:30 – 17:00	(15+15)	P6 Correlated electron systems out of equilibrium
17:00 – 17:20		<i>Short break</i>
17:20 – 17:50	(15+15)	P5 Modeling non-local interaction phenomena in real materials: electrons, lattice & topology
17:50 – 18:20	(15+15)	P8 Correlation effects and quantum geometry in adiabatic spin dynamics
TBD		<i>Dinner</i>

DAY 2 - TUESDAY 15/9, JUNIOR TALKS

9:00 – 9:20	(15+5)	Giorgio Di Battista Establishing a sample-independent of the phase diagram of magic-angle twisted bilayer graphene
9:20 – 9:40	(15+5)	Nathan Perruchoud Nonequilibrium dynamics: transient magnetic correlations and relaxation bottleneck after an interaction ramp in the Hubbard model
9:40 – 10:00	(15+5)	Diana Kirschbaum Evidence for surface-dominated transport in the Kondo insulator $U_3Bi_4Pt_3$
10:00 – 10:20	(15+5)	Lara Bremer Degeneracy-enhanced superconductivity in alkali-doped fullerenes
10:20 – 10:50		<i>Coffee break</i>
10:50 – 11:10	(15+5)	Stefan Rohshap Diagnosing phase transitions through time-scale entanglement
11:10 – 11:30	(15+5)	Marcel Gievers Instabilities in self-consistent diagrammatic approaches and how to cure them
11:30 – 11:50	(15+5)	Gabriele Bellomia Gutzwiller embedding for strongly-correlated topology and quantum information
11:50 – 12:10	(15+5)	Andrea Kouta Dagnino Three-dimensional foliated fractional quantum Hall phases
12:10 – 14:30		<i>Lunch & discussions</i>
14:30 – 15:15	(45)	Poster flash presentation
15:15 – 17:00	(105)	Poster session + Coffee Break
17:00 – 21:00		<i>Boat trip & conference dinner</i>

DAY 3 - WEDNESDAY, 16/9

9:00 - 10:30		Assembly, discussions & next steps
10:30 - 11:00		<i>Coffee break</i>
11:00 - 12:00		Surprise talk
12:00 - 14:00		<i>Lunch and farewell</i>