	Monday 29 October	Tuesday 30 October	Wednesday 31 October
09:00 - 09:15	Registration / Coffee	Peter Hänggi Coherent absolute negative mobility	Nobuyuki Takei Ultrafast coherent control of an
09:15 - 09:30	Opening	of a Bose-Einstein condensate in an ac-driven optical lattice	ultracold Rydberg gas
09:30 - 09:40		Discussion	Discussion
09:40 – 10:10	Bernard Barbara Quantum spin-dynamics and decoherence examined in terms of the classical Landau-Zener model	Naoki Kawashima Superfluidity and supersolidity of lattice models	Irinel Chiorescu Coherent dynamics of spins placed in quantized electromagnetic fields and studied using superconducting devices
10:10 - 10:20	Discussion	Discussion	Discussion
10:20 - 10:50	Hans De Raedt Simulation of a neutron experiment confirming Ozawa's universally valid-error disturbance relation	Stefan Wessel Adiabatic loading of SU(N) alkaline earth fermions in optical lattices	Seigo Tarucha Non-local spin entanglement with quantum dots
10:50 - 11:00	Discussion	Discussion	Discussion
11:00 - 11:20	Coffee Break / Posters	Coffee Break / Posters	Coffee Break / Posters
11:20 - 11:50	Kristel Michielsen Event-by-event simulation of entanglement in neutron interferometry experiments	Norio Kawakami Edge modes in one-dimensional topological insulators and superconductors	Mio Murao Universal construction of controlled- unitary gate for unknown Hamiltonian dynamics
11:50 - 12:00	Discussion	Discussion	Discussion
12:00 - 12:30	Naomichi Hatano Zero eigenvalues of quantum walks on complex networks	Alejandro Muramatsu Charge and spin fractionalization beyond the Luttinger liquid paradigm	Mohammad Amin Evidence of entanglement in a quantum annealing processor
12:30 - 14:00	Lunch	Lunch	Lunch
14.00	Peter Reimann Equilibration of isolated	Seiji Miyashita Quantum dynamics of independent	Simon Trebst Topological quantum matter and
14:00 - 14:30			
14:00 - 14:30	macroscopic quantum systems Discussion	spin system with cavity photons Discussion	quantum computing Discussion
	macroscopic quantum systems	spin system with cavity photons	quantum computing
14:30 – 14:40	macroscopic quantum systems Discussion Fengping Jin Equilibration and thermalization of	spin system with cavity photons Discussion Mark Novotny An efficient algorithm for simulating the real-time quantum dynamics of spin systems coupled to certain types	quantum computing Discussion Thomas Neuhaus On the map from 3SAT to maximum independent set and its consequences for the efficiency of
14:30 - 14:40 14:40 - 15:10	macroscopic quantum systems Discussion Fengping Jin Equilibration and thermalization of classical systems	spin system with cavity photons Discussion Mark Novotny An efficient algorithm for simulating the real-time quantum dynamics of spin systems coupled to certain types of quantum baths	quantum computing Discussion Thomas Neuhaus On the map from 3SAT to maximum independent set and its consequences for the efficiency of quantum adiabatic computations
14:30 - 14:40 14:40 - 15:10 15:10 - 15:20	macroscopic quantum systems Discussion Fengping Jin Equilibration and thermalization of classical systems Discussion	spin system with cavity photons Discussion Mark Novotny An efficient algorithm for simulating the real-time quantum dynamics of spin systems coupled to certain types of quantum baths Discussion	quantum computing Discussion Thomas Neuhaus On the map from 3SAT to maximum independent set and its consequences for the efficiency of quantum adiabatic computations
14:30 - 14:40 14:40 - 15:10 15:10 - 15:20 15:20 - 15:40	macroscopic quantum systems Discussion Fengping Jin Equilibration and thermalization of classical systems Discussion Coffee Break / Posters Jochen Gemmer Emergence of Fokker-Planck dynamics within a closed finite spin	spin system with cavity photons Discussion Mark Novotny An efficient algorithm for simulating the real-time quantum dynamics of spin systems coupled to certain types of quantum baths Discussion Coffee Break / Posters Kenji Harada Numerical study of quantum frustrated magnets using	quantum computing Discussion Thomas Neuhaus On the map from 3SAT to maximum independent set and its consequences for the efficiency of quantum adiabatic computations
14:30 - 14:40 14:40 - 15:10 15:10 - 15:20 15:20 - 15:40 15:40 - 16:10	macroscopic quantum systems Discussion Fengping Jin Equilibration and thermalization of classical systems Discussion Coffee Break / Posters Jochen Gemmer Emergence of Fokker-Planck dynamics within a closed finite spin system	spin system with cavity photons Discussion Mark Novotny An efficient algorithm for simulating the real-time quantum dynamics of spin systems coupled to certain types of quantum baths Discussion Coffee Break / Posters Kenji Harada Numerical study of quantum frustrated magnets using entanglement renormalization Discussion Philippe Corboz Simulation of strongly correlated systems in two dimensions with infinite projected entangled pairs	quantum computing Discussion Thomas Neuhaus On the map from 3SAT to maximum independent set and its consequences for the efficiency of quantum adiabatic computations
14:30 - 14:40 14:40 - 15:10 15:10 - 15:20 15:20 - 15:40 15:40 - 16:10 16:10 - 16:20 16:20 - 16:50	macroscopic quantum systems Discussion Fengping Jin Equilibration and thermalization of classical systems Discussion Coffee Break / Posters Jochen Gemmer Emergence of Fokker-Planck dynamics within a closed finite spin system Discussion Chikako Uchiyama Non-Markovian effect on quantum transport	spin system with cavity photons Discussion Mark Novotny An efficient algorithm for simulating the real-time quantum dynamics of spin systems coupled to certain types of quantum baths Discussion Coffee Break / Posters Kenji Harada Numerical study of quantum frustrated magnets using entanglement renormalization Discussion Philippe Corboz Simulation of strongly correlated systems in two dimensions with infinite projected entangled pairs (iPEPS)	quantum computing Discussion Thomas Neuhaus On the map from 3SAT to maximum independent set and its consequences for the efficiency of quantum adiabatic computations
14:30 - 14:40 14:40 - 15:10 15:10 - 15:20 15:20 - 15:40 15:40 - 16:10 16:10 - 16:20	macroscopic quantum systems Discussion Fengping Jin Equilibration and thermalization of classical systems Discussion Coffee Break / Posters Jochen Gemmer Emergence of Fokker-Planck dynamics within a closed finite spin system Discussion Chikako Uchiyama Non-Markovian effect on quantum	spin system with cavity photons Discussion Mark Novotny An efficient algorithm for simulating the real-time quantum dynamics of spin systems coupled to certain types of quantum baths Discussion Coffee Break / Posters Kenji Harada Numerical study of quantum frustrated magnets using entanglement renormalization Discussion Philippe Corboz Simulation of strongly correlated systems in two dimensions with infinite projected entangled pairs	quantum computing Discussion Thomas Neuhaus On the map from 3SAT to maximum independent set and its consequences for the efficiency of quantum adiabatic computations