

Wednesday, 18 December

Morning Session

10:00 - 10:15	Opening remarks	
10:15 - 10:45	Ulrich Schollwöck: Dynamics of bosons and spins in optical lattices	
10:45 - 11:15	Götz Uhrig: Dynamic Transitions in Interaction Quenches	
11:15 - 11:45	Coffee break	
11:45 - 12:15	Martin Eckstein: Ultrafast laser control of the magnetic exchange interaction	

Afternoon Session

16:30 - 17:00	Claudio Giannetti: Snapshots of the retarded electron-boson interaction in high-temperature superconductors	
17:00 - 17:30	Massimo Capone: Momentum-selective Mottness of the pseudo gap state of the cuprates revealed by time-resolved spectroscopy	
17:30 - 18:00	Coffee break	
18:00 - 18:30	Marcin Mierzejewski: Peltier effect in strongly driven quantum wires	
18:30 - 19:00	Lev Vidmar: The mechanism of ultrafast relaxation of a photo-carrier in antiferromagnetic spin background	

Evening Session

20:30 - 20:45	Zala Lenarčič: Optical response of highly excited particles in a strongly correlated system	
20:45 - 21:00	Jan Kogoj: Unusual Two-stage Dynamics of the Spin-Lattice Polaron Formation	
21:00 - 21:15	Enej Ilievski: Theory of quantum groups and nonequilibrium steady states	

Thursday, 19 December

Morning Session

9:00 - 9:30	Philipp Werner: Electron-phonon coupled systems in strong electric fields	
9:30 - 10:00	Daniele Fausti: Witnessing quasi-particles in a strongly correlated electron system	
10:00 - 10:30	Dragan Mihailović: On the mechanism of photoinduced collective states in condensed matter: The case of the hidden CDW state in 1T-TaS ₂	
10:30 - 11:00	Coffee break	
11:00 - 11:30	Takami Tohyama: Photo-induced electron dynamics in one-dimensional extended Hubbard model	
11:30 - 12:00	Naoto Tsuji: Nonthermal fixed point in the antiferromagnetic Hubbard model	

Afternoon Session

16:30 - 17:00	Marcus Kollar: Prethermalization and thermalization of weakly interacting quantum systems	
17:00 - 17:30	Tomaž Prosen: Walking graph states and exact steady state solution of nonequilibrium Fermi-Hubbard chain	
17:30 - 18:00	Coffee break	
18:00 - 18:30	Viktor Kabanov: Theory of electron relaxation in metals excited by an ultrashort optical pump	
18:30 - 19:00	Tomaž Mertelj: Femtosecond quasi-particle relaxation dynamics in electron doped iron-based pnictides	

Evening Session

20:30 - 20:45	Adriano Amaricci: Perturbation study of the critical voltage in non-equilibrium stationary superconductor	
20:45 - 21:00	Igor Vaskivskyi: Decay of topologically protected state in 1T-TaS ₂	
21:00 - 21:15	Ivan Madan: Pseudogap photodestruction and recovery, measurements on Bi ₂ Sr ₂ CaCu ₂ O _{8+d}	
21:15 - 21:30	Ljupka Stojchevska: Normal state bottleneck and nematic fluctuations from femtosecond quasiparticle relaxation dynamics in Sm(Fe,Co)AsO	

Friday, 20 December

Morning Session

9:00 - 9:30	Manuel Ligges: The transient state of photo-perturbated 1T-TaS ₂	
9:30 - 10:00	Christoph Gadermaier: Strain-induced enhancement of the electron energy relaxation in strongly correlated superconductors	
10:00 - 10:30	Primož Kušar: Time resolved measurements on Pb and K doped BaBiO ₃ superconductor	
10:30 - 11:00	Coffee break	
11:00 - 11:15	Anna Pogrebna: Transient optical reflectivity in SDW iron-based pnictides: a supercontinuum-probe study	
11:15 - 11:30	Vladimir Baranov: Dynamics of resistive state in narrow superconducting channels	
11:30 - 11:45	Tetiana Borzda: Charge carriers photogeneration in few-layers of MoS ₂	

List of participants

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NON-EQUILIBRIUM DYNAMICS OF CORRELATED ELECTRON-SYSTEMS:
LATEST THEORETICAL AND EXPERIMENTAL ADVANCES

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