Monday, September 19
14:00-18:30 Registration
20:00-21:00 Welcome party

Tuesday, September 20
8:50 - 9:00 V. Zlatic and A. Hewson
Opening of the workshop.
9:00 - 10:00 Bauer E., Technical University, Vienna, Austria.
From superconductivity towards thermoelectricity: Germanium based skutterudites.
10:00 – 11:00 Kotliar G., Rutgers University, Piscataway, NJ, USA.
First principles calculations of thermoelectric properties of materials: Quo Vadis?
11:00 - 11:30 Coffee break
11:30 - 12:30 Behnia K., Ecole Normale Superier, Paris, France.
Nernst effect in Bismuth and graphite beyond the quantum limit.
12:30 - 15:30 Lunch & afternoon break
15:30 - 16:30 Posters and discussion session.
16:30 - 18:30 Delaire O., Oak Ridge National Laboratory, Oak Ridge, USA.
Phonons in thermoelectrics probed with neutron scattering experiments and DFT calculations: electron-phonon and phonon-phonon couplings in FeSi and PbTe.
18:30 - 20:30 Dinner break
20:30 - 21:30 After dinner talk
Shastry S., University of California Santa Cruz, CA, USA.
Extreme Correlations: or How I learned Not to Worry and Love the Infinite U limit.

Wednesday, September 21
9:00 - 10:00 Gelbstein Y., Ben-Gurion University of the Negev, Beer-Sheva, Israel.
General Trends in Thermoelectrics.
10:00 - 11:00 Maple B., University of California, San Diego, USA.
Experiments on new correlated electron systems.
11:00 - 11:30 Coffee break
11:30 - 12:30 Rogl P. F., University Vienna, Austria.
Clathrate Type I Thermoelectrics: \([\text{Ba, Sr}]_x\text{M}_4\{\text{Ge, Si}\}_{6-x-y}\square_y\).
12:30 - 13:00 Mravlje J., Ecole Polytechnique, Palaiseau, France.
Thermopower in strongly correlated Sr$_2$RuO$_4$ from first principles.
13:30 - 15:30 Lunch & afternoon break
15:30 - 16:30 Posters and discussion session.
16:30 - 17:30 Mori M., Advanced Science Research Center, JAEA, Tokai, Japan.
Thermopower in correlated electron systems revisited: non-monotonic temperature dependence.
17:30 - 18:00 Pruschke T., Goettingen University, Germany.
Monte-Carlo Approach to Stationary Non-equilibrium of Mesoscopic Systems.
18:00 - 18:30 Hewson A., Imperial College, London, UK.
Fusion of energy scales on the approach to a local quantum critical point.
18:30 - 20:30 Dinner break
20:30 - 21:30 After dinner talk
Kotliar G., Rutgers University, Piscataway, NJ, USA.
Title to be announced

Thursday, September 22
9:00 - 10:00 Buehler-Paschen S., Vienna University of Technology, Vienna, Austria.
Anisotropic Kondo insulators.
10:00 - 11:00 Fauque C., Ecole Normale Superier, Paris, France.
Entropy transport in (topological insulator) Bi$_3$Sey.

Friday, September 23
9:00 - 10:00 Held K., Technical University, Vienna, Austria.
Enhancement of the Na0.7CoO$_2$ thermopower due to electronic correlations.
10:30 - 11:00 Hess C., Leibniz Institute, Dresden, Germany.
Nerst effect of iron pnictide and stripe ordering cuprate superconductors.
11:00 - 11:30 Coffee break
11:30 - 12:00 Goncalves A. P., Instituto Tecnologico e Nuclear, Sacavem, Portugal.
Alternative strategies for thermoelectric materials development.
12:30 - 13:00 Prelvosek P., University of Ljubljana, Slovenia.
Transport in disordered systems of interacting fermions.
13:00 - 15:30 Lunch & afternoon break
15:30 - 16:30 Posters and discussion session
16:30 - 17:30 Costi T., Forschungszentrum Juelich, Germany.
Enhanced thermal transport in strongly correlated multilayers.
18:00 - 18:30 Freericks J., Georgetown University, Washington DC, USA.
Charge Kondo effect in molecular quantum dots and Pb$_{1-x}$Te$_x$ and a mechanism for large thermopower.
17:30 - 18:00 Freericks J., Georgetown University, Washington DC, USA.
Enhanced thermal transport in strongly correlated multilayers.
**Saturday, September 24**

9:00 - 9:30 **Fabrizio M.**, Scuola Normale Superiore, Trieste, Italy.
Out-of-equilibrium dynamics in correlated systems: a variational approach.

9:30 - 10:00 **Mierzejewski M.**, Institute of Physics, University of Silesia, Poland.
Nonlinear Current Response of an Isolated System of Interacting Fermions.

10:00 – 10:30 **Oles, A.**, Max-Planck-Institut fur Festkörperforschung.
Spin-Orbital Entangled States in Transition Metal Oxides.

10:30 - 11:00 **Svaika A.**, Institute of the Academy of Sciences, Lviv, Ukraine.
Many-body dynamics and inelastic scattering in strongly correlated electron systems.

11:00 - 11:30 Coffee break

11:30 - 12:00 **Bonca J.**, J. Stefan institute and University of Ljubljana, Slovenija.
Nonequilibrium dynamics of many-body systems driven by a constant electric field.

12:00 - 12:30 **Zotos X.**, University of Crete, Heraklion, Greece.
Open issues on the transport phenomena of 1D quantum magnets.

12:30 - 15:30 Lunch & afternoon break

**Sunday, September 25**

9:30 – 10:00 **Andergassen S.**, RWTH-Aachen, Germany.
Dynamical transport in correlated quantum dots: a renormalization-group analysis.

10:00 - 10:30 **Oganesyan V.**, City University of New York, USA.
The many-body localization.

10:30 - 11:00 Coffee break

11:00 - 11:15 **Hewson A.**, Imperial College, London, UK.
Workshop summary.

11:15 - 11:30 **Zlatić V.**, Institute of Physics, Zagreb, Croatia.
Closing of the workshop.