

Tuesday, August 23, 2016

8:30 – 9:00 **Registration**

9:00 – 9:15 **Opening**

9:15 – 12:05 Section I PIPT - theory

Chair: P. Monceau

9:15 – 10:35 Theory of non-linear phononics for coherent light-control of solids
A. Georges, College de France, France

10:35 – 11:05 Coffee

11:05 – 11:40 Theory for photo-induced dynamics in correlated materials
M. Eckstein, Max Planck Institute, Germany

11:40 – 12:05 Non-equilibrium analysis on an open-dissipative electron-hole condensate in a steady state
R. Hanai, Keio University, Japan

12:15 – 14:30 Lunch

14:30 – 15:50 Section II Strong correlations, Mott state

Chair: C.-Y. Ruan

14:30 – 14:55 Non-Fermi liquids in two and three-dimensional SrTiO₃
S. Stemmer, University of California, USA

14:55 – 15:30 Polaron physics in SrTiO₃
P. Littlewood, University of Chicago, USA

15:30 – 15:50 Field-driven Mott gap collapse and resistive switch in correlated insulators
G. Mazza, Ecole Polytechnique, College de France, France

15:50 – 16:20 Coffee

16:20 – 17:25 Section III Graphene and monolayers

Chair: K. Jin

16:20 – 16:45 Superconductivity and charge density waves in the clean 2D limit
A.W. Tsen, University of Waterloo, Canada

16:45 – 17:05 Novel electron-phonon relaxation pathway in graphite revealed by time-resolved raman scattering
D. Reznik, University of Colorado-Boulder, USA

17:05 – 17:25 Phase transitions induced by magnetic field in graphite
B. Fauqué, UPMC, College de France, France

18:00 Welcome reception