

Sponsored by Kakenhi Kiban S  
Co-hosted by IGER Leading graduate school

International mini-workshop on  
Nonequilibrium transport and phase transition in novel materials

26 November 2018 14:00-18:00  
Room B428, B-building 4F, Nagoya University

- 14:00 Ichiro Terasaki  
Opening
- 14:10 Chanchal Sow (Kyoto Univ.)  
Current-induced strong diamagnetism in the Mott Insulator  $\text{Ca}_2\text{RuO}_4$   
10.1126/science.aah4297
- 14:40 Ichiro Terasaki  
Nonequilibrium steady state in  $\text{Ca}_2\text{RuO}_4$   
10.7566/JPSJ.82.103702; 10.7566/JPSJ.86.093707
- 15:10 Tomoyasu Taniyama  
Antiferromagnetic to ferromagnetic phase transition driven by spin polarized current  
10.1063/1.3553941; 10.7567/JJAP.54.073002
- 15:40 - 16:00 Break
- 16:00 Hiromichi Ohta (Hokkaido Univ.)  
Electric field thermopower modulation measurements of two-dimensional electron gas
- 16:30 Hai Jun Cho (Hokkaido Univ.)  
Observation of coherent thermal conduction across natural superlattices
- 17:00 Keiji Saito (Keio Univ.)  
Thermal conduction via local two-state systems  
10.1088/1367-2630/aadf09; 10.1103/PhysRevLett.111.214301
- 17:30 Takeshi Kawasaki (Nagoya Univ.)  
A non-equilibrium phase transition in particle trajectories near the jamming transition  
10.1103/PhysRevE.94.022615