

## Workshop for Quantum Coherence in Condensed Matter

Date : December 11 (Wed.), 2019

Organized by : SRC-Center for Quantum Coherence in Condensed Matter

Time	Presenter	Title
<b>08:30 ~ 09:30</b>	<b>Registration</b>	
<b>Session 1</b>		Chair: Kab-Jin Kim (KAIST)
09:30 ~ 09:45		Welcome Remark & Introduction of SRC center
09:45 ~ 10:15	Dong Hun Lee (Korea Univ.)	Sensing strain and magnetic field with quantum point defects
10:15 ~ 10:45	Hyung Kook Choi (Jeonbuk Nat'l Univ.)	Unexpected energy relaxation of monoenergetic hot electron
<b>10:45 ~ 11:00</b>	<b>Coffee Break</b>	
<b>Session 2</b>		Chair: Gil-Ho Lee (POSTECH)
11:00 ~ 11:30	Massayuki Hashisaka (NTT)	Charge equilibration between counter-propagating $\nu = 1/3$ and $\nu = 1$ quantum Hall edge channels
11:30 ~ 12:00	Kin Chung Fong (Raytheon BBN Technologies)	Josephson single photon detector
<b>12:00 ~ 13:30</b>	<b>Lunch</b>	
<b>Session 3</b>		Chair: Yun-Chul Chung (Pusan Nat'l Univ.)
13:30 ~ 14:00	Christopher Bäuerle (Institut Néel, CNRS)	Sound-driven single-electron transfer in a circuit of coupled quantum rails
14:00 ~ 14:30	Myung-Ho Bae (KRISS)	Energy-resolved spectroscopy for single electron source
14:30 ~ 15:00	Michihisa Yamamoto (RIKEN)	Observation of the Kondo Screening Cloud
<b>15:00 ~ 15:15</b>	<b>Coffee Break</b>	
<b>Session 4</b>		Chair: Junho Suh (KRISS)
15:15 ~ 15:45	Hao Zhang (Tsinghua Univ.)	Majorana nanowires and topological quantum computation
15:45 ~ 16:15	Yong Joo Doh (GIST)	$4\pi$ -periodic fractional Josephson effect in topological insulator
<b>16:15 ~ 16:30</b>	<b>Coffee Break</b>	
<b>Session 5</b>		Chair: Yong-Hyun Kim (KAIST)
16:30 ~ 17:00	Hyoungsoon Choi (KAIST)	Quantized Vortices in a Non-equilibrium Superfluid
17:00 ~ 17:30	Minchul Lee (Kyung Hee Univ.)	Nonlinear Electric and Heat Responses of Chiral Topological Superconductors
<b>17:30 ~</b>	<b>Dinner</b>	