

The 11th School of Mesoscopic Physics: Quantum Control and Sensing

19 May 2022 (Thu)	12:00 – 13:30	Registration
	13:30 – 13:40	Opening Remark
	13:40 – 15:40	Nanomechanical quantum sensors (Junho Suh, KRISS, Korea)
	16:00 – 18:00	Hydrodynamics in Condensed Matter Physics (Hyoungsoon Choi, KAIST, Korea)
	18:00 – 19:00	Dinner
	19:30 – 20:30	Free Discussion
20 May 2022 (Fri)	09:30 – 11:30	Quantum sensing and imaging using diamond NV center (Donghun Lee, KU, Korea)
	11:30 – 12:00	Group photo
	12:00 – 13:00	Lunch
	13:00 – 15:00	Superconductor-based quantum sensors: basic principles and applications (Kin Chung Fong, Raytheon Technologies, USA)
	15:10 – 17:10	Single-electron sources: from electron optics to thermodynamic machines (Sungguen Ryu, IFISC, Spain)
	17:20 – 19:20	Quantum dot spin qubits (Dohun Kim, SNU, Korea)
	19:30 – 21:00	Banquet (POSCO International Center)
21 May 2022 (Sat)	09:30 – 11:30	Quantum Acoustics: surface-acoustic waves(SAWs) come across qubits (Seok-Kyun Son, MNU, Korea)
	11:30 – 11:40	Closing Remark