

Feb 13 (Tue) 16:50-18:20 (90 min)	Feb 14 (Wed) 14:20-15:50 (90 min)
	2DEG K. J. Friedland (Paul-Drude), High mobility electron gas wafer-fused on LiNbO ₃ K. Suzuki (NTT), Transport properties in InAs/AlSb/GaSb heterostructures H. Aikawa (Osaka Univ), Electronic structures of a single-layer and a double-layer two dimensional electron systems in tilted magnetic fields investigated by cyclotron resonance spectroscopy
Quantum Hall Systems-I S. Suzuki (Tohoku Univ), Electron removal spectrum and elementary excitations in fractional quantum Hall systems K. Oto (Osaka Univ), Properties of compressible strips at fractional quantum Hall plateaux N. Kumada (Tohoku Univ), Various $\nu = 2/3$ quantum Hall states in bilayer system	Quantum Hall Systems-II K. Arai (Osaka Univ), Edge States and bulk conduction properties of Si-MOSFET in the quantum Hall regime Y. Takagaki (Paul-Drude), Surface-acoustic-wave attenuation in asymmetric two-layer systems in the quantum Hall regime
Spin Transport-I T. Koga (NTT), Investigation of Rashba spin-splitting energies in InGaAs/InAlAs heterostructures using anti-weak-localization analyses S. Yamada (JAIST), Quantum transport in narrow wire FETs made at spin-splitting In _{0.75} Ga _{0.25} As/In _{0.75} Al _{0.25} As heterointerfaces K. Yoh (RCIQE), Spin-orbit interaction in an InAlAs/InAs heterostructure	Spin Transport-II Th. Schaeppers (NTT), Model for spin-transport in resonant ferromagnet/2-dimensional electron gas/ferromagnet structures K. Yoh (RCIQE), Fabrication and characterization of Fe/InAs hybrid structure Y. Takahashi (Yamagata Univ), The electron-electron interactions in the spin transport dynamics of a two-dimensional electron gas Y. Tokura (NTT), Electronic pressure on ferromagnetic domain wall
Quantum Wires and Quantum Point Contacts K. Hashimoto (NTT), Quantum point contact with a widely tunable range for the electron density K. J. Friedland (Paul-Drude), Electron coupling in weakly and strongly coupled quantum point contacts S. Kasai (RCIQE), Quantum transport and gate-controlled mode hybridization in GaAs-based Schottky in-plane gate coupled quantum wire transistors T. Asayama (Univ of Tokyo), Magnetic minibands and conductance oscillations in a quantum wire with short period potential modulation	Quantum-Dot Arrays A. Kawaharazuka (Waseda Univ), Transport characteristics of electrons in weak short period two-dimensional potential arrays T. Kimura (NTT), Magnetic field effects on the flat-band ferromagnetism on a kagome dot array M. Stopa (ERATO), Quasi-periodic spin polarization in realistic quantum dots
Electronic States in Quantum Dots-I Y. Asari (Waseda Univ), Hund's rule in a spherical artificial atom P. Matagne (Illinois), Three-dimensional analysis of the electronic structure of cylindrical vertical quantum dots S. Amaha (Univ of Tokyo), Magnetic field induced transitions in the few-electron ground states of artificial molecules	Electronic States in Quantum Dots-II H. An (RCIQE), Spectroscopy of electronic states in self-assembled InAs quantum dots formed on GaAs pyramids D. G. Austing (NTT), Influence of different starting materials on transport through self assembled dots S. Li (Osaka Institute of Tech), Strong quantum confinement characterization of vertically stacked InAs self-assembled quantum dots in Al _{0.5} Ga _{0.5} As barrier
Kondo Effect in Quantum Dots-I M. Eto (Keio Univ), Mean field theory for integer-spin Kondo effect in quantum dots T. Aono (RIKEN), Magnetoconductance of coupled quantum dots in the Kondo region J. M. Elzerman (Delft), Suppression of the Kondo effect in a quantum dot by microwave radiation	Kondo Effect in Quantum Dots-II W. Izumida (ERATO), Crossover between singlet - and triplet - state in a quantum dot with Kondo coupling Y. Kitamura (Univ of Tokyo), The Kondo effect in a quantum dot with only one electron
Coherence/Decoherence and Fluctuations in Mesoscopic Structures K. Tsubaki (NTT), Aharonov-Bohm oscillations induced by a coil current W. G. van der Wiel (Delft), Electro-magnetic Aharonov-Bohm effect in a 2-D electron gas ring V. I. Yudson (Chiba Univ), Nonlinear response and dephasing in mesoscopic rings and dots under an external ac pumping Y. Utsumi (Tohoku Univ), Charge fluctuations on a ultrasmall superconductor	Dynamics in Mesoscopic Structures T. Fujisawa (NTT), Transient current spectroscopy of lateral and vertical quantum dots Y. Shimada (Univ. of Tokyo), THz emission from Bloch oscillations in wide miniband superlattices
Qubit Manipulation-I T. Tanamoto (Toshiba), N-qubit system in capacitively coupled semiconductor quantum dots A. Miranowicz (SOKEN), Entanglement of quantum dots in the spin van der Waals model	Qubit Manipulation-II M. Koashi (SOKEN), Bounds on bipartite entanglement shared among many qubits S. K. Ozdemir (SOKEN), Optical state truncation: a proposal for experimental realization
Nanomechanics H. Yamaguchi (NTT), Electro-mechanical properties of freestanding InAs membranes fabricated from InAs/GaAs (111) A heterostructures	Nano Probing T. Tokizaki (ETL), Luminescence spectroscopy of modulation-doped AlGaAs/GaAs quantum structures using low-temperature scanning near-field optical microscope K. Kanisawa (NTT), Imaging of zero-dimensional states in InAs nanostructures using low-temperature scanning tunneling microscopy