

August 27 (Sunday)

13:50-14:00 **Opening : Seigo Tarucha**

Session 1: Quantum Dot & Single Electron Manipulation

Chair : *Toshimasa Fujisawa*

14:00-14:50 **Ultimate electronics with control of single electrons (Invited)**

Akira Fujiwara

NTT Basic Research Laboratories

14:50-15:10 **Transports in SiGe and InAs self-assembled quantum dots**

Akira Oiwa (1), *Haruki Kiyama* (1), *R. Shikishima* (1), *K. Kawaguchi* (1), *M. Bamesreiter* (2), *D. Bougeard* (2), *N. Nagai* (3), *K. Hirakawa* (3)

(1) Osaka University, (2) Universität Regensburg, (3) The University of Tokyo

15:10-15:30 **Probing charge and spin dynamics in a quantum dot-lead hybrid system**

T. Otsuka (1), *T. Nakajima* (1), *M. R. Delbecq* (1), *P. Stano* (1), *S. Amaha* (1), *J. Yoneda* (1), *K. Takeda* (1), *G. Allison* (1), *A. Noiri* (1), *T. Ito* (1), *D. Loss* (1), *A. Ludwig* (2), *A. D. Wieck* (2), *S. Tarucha* (1)

(1) RIKEN CEMS, (2) Ruhr-University Bochum

15:30-16:00 **Break**

Session 2: Spin Dynamics and Spin-Photon Interactions

Chair : *Mikio Eto*

16:00-16:20 **The coherence of a photo-generated electron spin in an electrostatically-confined quantum dot**

Yasuhiro Tokura

University of Tsukuba

16:20-16:40 **Generation of a single electron-photon pair from a single polarization-entangled photon pair**

Sadashige Matsuo (1), *Kazuyuki Kuroyama* (1), *Marcus Larsson* (1), *Takafumi Fujita* (1), *Sascha R. Valentin* (2), *Arne Ludwig* (2), *Andreas D. Wieck* (2), *Akira Oiwa* (3), *Seigo Tarucha* (1,4)

(1) The University of Tokyo, (2) Ruhr-University Bochum, (3) Osaka University, (4) RIKEN CEMS

16:40-17:00 **Spin relaxation in quantum dots**

Stano Peter

RIKEN