



Research Center for Integrated Quantum Electronics (RCIQE) FY2024 International Seminar

~ Prospects on Integrated Quantum Electronics ~

March 6, 2025

Venue: Suzuki Akira Hall, 2F Frontier Research in Applied Sciences Building,
Faculty of Engineering, Hokkaido University, Sapporo

Program:

13:00- Opening: Prof. Junichi Motohisa, Hokkaido University

13:20- Keynote: Prof. Roman Engel-Herbert, Director of Paul Drude Institute

Novel Functional Properties of Complex Oxide Thin Films Grown by Hybrid-MBE

**Tentative title*

14:00- Prof. Seiichi Miyazaki, Hiroshima University

Low Temperature Formation of Luminescent Fe-silicide Nanodots on SiO₂

14:40- Prof. Yasuyuki Miyamoto, Institute of Science Tokyo

HEMT with partial high-k films on G-D to improve breakdown voltage

15:20- Coffee Break

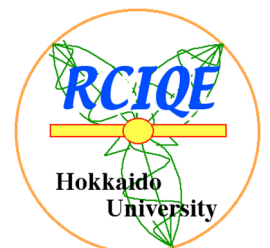
15:40- Prof. Hoe Tan, The Australian National University

III-V Nanostructures for Lasers and Quantum Emitters

16:20- Prof. Mattias Jansson, Linköping University

Exciton Dynamics and Electronic Structure of Quantum Emitters Self-Assembled in
Highly Mismatched-Alloy Semiconductor Nanostructures

17:00- Closing: Prof. Seiya Kasai, Hokkaido University



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