

2016 RCIQE International Seminar



March 8, 2016

Centenary Hall, Hokkaido University

Sponsored by

*Research Center for Integrated Quantum Electronics (RCIQE),
Hokkaido University*

Program

- 10:00 - 10:05 Opening Address
- 10:05 - 10:40 " Stress Engineered Nano-Channel InAlN/GaN Fin-HEMTs on Si substrate "
Subramaniam Arulkumaran, *Nanyang Technological University, Singapore*
- 10:40 - 11:15 " GaN Devices for Automotive Applications "
Tetsu Kachi, *Toyota Central R&D Labs., Inc., Japan*
- 11:15 - 11:50 " Characterization of Surfaces and Interfaces of InAlN "
Masamichi Akazawa, *Research Center for Integrated Quantum Electronics, Hokkaido University, Japan*
- 11:50 - 13:30 Lunch
- 13:30 - 14:05 " Considerations on Neuromorphic Hardware "
Ferdinand Peper, *National Institute of Information and Communications Technology (NICT), Japan*
- 14:05 - 14:40 " Semiconductor Nanowires and Photonics "
Kenji Hiruma, *Central Research Laboratory, Hitachi Ltd., Japan*
- 14:40 - 15:15 " Coherent Control of Nuclear Spins in Semiconductor using Electrical Spin Injection "
Tetsuya Uemura, *Graduate School of Information Science and Technology, Hokkaido University, Japan*
- 15:15 - 15:35 Break
- 15:35 - 16:20 " III-V Semiconductor Nanowires and Their Device Applications "
Takashi Fukui, *Graduate School of Information Science and Technology, Hokkaido University, Japan*
- 16:20-16:25 Closing Remarks