

Program Table:

Tuesday, May 21st	Wednesday, May 22nd	Thursday, May 23rd
9:10 Announcement - Kae Nemoto	9:15 Session3: Optics architecture Chairs: Kae Nemoto & Yoon Ho Kim Speakers: Tim Ralph Yoon Ho Kim Ping Koy Lam Masahide Sasaki Zeng-Bing Chen Christian Kurtsiefer	10:00 Session5: Discussion Chairs: Joon Choe & Artur Ekert
9:15 Opening - Director of NII		
9:30 Session1: Superconductors(SQUID) Chairs: Bill Munro & Jaw Shen Tsai Speakers: Jaw Shen Tsai Pierre Billangeon Yasunobu Nakamura Arkady Fedorov Shiro Saito	12:30 Lunch	12:30 Lunch
12:30 Lunch		
14:00 Session2: Solid state Chairs: Michelle Simmons & Hsi-Sheng Goan Speakers: Michelle Simmons Charles Hill Kohei Itoh Dimi Culcer Seigo Tarucha Hsi-Sheng Goan Wei-Min Zhang	14:00 Session4: Special purpose application Chairs: Bill Munro & Jaewan Kim Speakers: Kae Nemoto Jaewan Kim Jevon Longdell Valerio Scarani Hyunseok Jeong	Informal discussion
19:00 Evening Networking Session		

Session 1: Superconductors (SQUID)

Speaker	Title
Jaw Shen Tsai	Progress in superconducting quantum computing at NEC/RIKEN
Pierre Billangeon	Toward a scalable architecture for superconducting qubits: present strategy and perspectives
Yasunobu Nakamura	Lambda system in a driven superconducting circuit
Arkady Fedorov	Realization of Deterministic Quantum Teleportation with Solid State Qubits
Shiro Saito	Superconducting qubit spin ensemble hybrid system

Session 2: Solid state

Speaker	Title
Michelle Simmons	Quantum Computing in Silicon with Donor Electron Spins
Charles Hill	Considerations for medium scale quantum computing
Kohei Itoh	Group IV quantum information processing
Dimi Culcer	Valley-based noise resistant quantum computation using Si quantum dots
Seigo Tarucha	Spin-based quantum computing and photon-spin interface with quantum dots
Hsi-Sheng Goan	Quantum control for solid-state quantum computing
Wei-Min Zhang	Decoherence Control fo Nanoscale Electronic and Photonic Quantum Devices

Session 3: Optics architecture

Speaker	Title
Tim Ralph	Optical Quantum Computing and Sampling Problems
Yoon Ho Kim	Using weak quantum measurement in photonic quantum information
Ping Koy Lam	Building a quantum repeater with quantum memories and noiseless amplifiers
Christian Kurtsiefer	Correlated and entangled narrowband photons for interaction with atomic systems
Masahide Sasaki	Cat-state enhanced network
Zeng-Bing Chen	Practical quantum communication in China

Session 4: Special purpose application

Speaker	Title
Kae Nemoto	Quantum computer architectures for hybrid devices
Jaewan Kim	Coherent State Qudits: Optical and Spin
Jevon Longdell	Towards high efficiency upconversion of microwave photons to optical photons with rare earth doped whispering gallery mode resonators.
Valerio Scarani	Complex quantum states
Hyunseok Jeong	Deterministic linear-optics quantum computation based on a hybrid approach

Notice: this program table is tentative, updated on 17 May 2013.