

UK-Japan Quantum Technology Workshop

Monday 23rd March 2015

British Embassy Tokyo

Time	Speaker	Title
9:10 - 9:20	(10) Secretary of the British Embassy Tokyo	Opening address
9:20 - 9:30	(10) Kazuo Kyuma (CSTI)	Keynote address
9:30 - 9:50	(20) Yoshihisa Yamamoto (JST)	ImPACT: The Japan Center for Quantum Secure Network, Artificial Brain and Simulation Technologies
9:50 - 10:10	(20) Shoko Utsunomiya (NII)	Laser/OPO network for solving NP-hard Ising model
10:10 - 10:30	(20) Kazuyuki Aihara (The University of Tokyo)	Nonlinear Neurodynamics and Quantum Artificial Brain
10:30 - 11:00	(30) Simon Benjamin (University of Oxford)	NQIT: The UK Hub for Networked Quantum Technologies
11:00 - 11:20	(20) Coffee break	
11:20 - 11:40	(20) Yasunobu Nakamura (Riken)	Quantum simulations based on superconducting circuits
11:40 - 12:10	(30) Jeremy O'Brien (University of Bristol)	photonic quantum technologies
12:10 - 12:30	(20) Yoshiro Takahashi (Kyoto University)	Quantum Simulation Using Ultracold Atoms in an Optical Lattice
12:30 - 14:00	Lunch	
14:00 - 14:30	(30) Timothy P. Spiller (University of York)	
14:30 - 14:50	(20) Masahide Sasaki (NICT)	Scope and Challenges of Quantum Secure Network
14:50 - 15:20	(30) Andrew Shields (Toshiba Cambridge Research Laboratory)	Quantum Communication in Telecom Networks
15:20 - 15:50	(30) Coffee break	
15:50 - 16:10	(20) Akihisa Tomita (Hokkaido University)	Practical quantum key distribution -security certification and performance improvement
16:10 - 16:30	(20) Gerald S. Buller (Heriot Watt University)	
16:30 - 16:50	(20) Erika Andersson (Heriot Watt University)	
16:50 - 18:00	(70) Task Force of UK-Japan Initiatives	
18:00 - 20:00	Conference Dinner	

Laboratory tour

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NII and NICT