

Programme for UK-Japan Quantum Technology Networking Fair2024

Present by JST and EPSRC

Date: December 6th 18:30 – 21:00 / 9:30-12:00 (GMT)

Venue : Online

JST/ GMT

Doors open		18:15-18:30 / 09:15-9:30
Opening remarks		18:30-18:40 / 09:30-09:40
1. Guest speech		18:40-19:15/09:40-10:15
<p>Dr. Wataru Mizukami Osaka University Professor of Center for Quantum Information and Quantum Biology (QIQB)</p>		
<p>Mr. Michael Cuthbert Director of the UK National Quantum Computing Centre (NQCC)</p>		
2. Pitch Session		19:15-20:15/10:15-11:15
Presentation Title		Name/ affiliate
Group A : Quantum Communication		
#1	Exploring AES Encryption Implementation Through Quantum Computing Techniques	Adam Gorine and Muhammad Suhaib / University of the west of England
#2	The quantum internet: bridging the gap between the UK and Japan	Edmund HARBORD/ University of Bristol
#3	Quantum Meets Hardware Security	Mahshid Delavar / University of Sheffield
Group B : Quantum Computing		
#4	Concurrent Processes and Quantum Computing	Nobuko Yoshida / University of Oxford
#5	Si NEMS and NOEMS for Quantum Technology	Yoshishige Tsuchiya / University of Southampton
#6	Integrated photonics for quantum applications	Nicolás Abadía / Cardiff University
#7	Enhancing the Performance of Quantum Annealing Machines	Shuta Kikuchi / Keio University
#8	Quantum annealing with superconducting devices	Paul Warburton / UCL
#9	Ion trap cavity QED for photonic interconnects	Hiroki Takahashi / OIST
#10	Towards a Discipline of Quantum Software Engineering	Mohammad Reza Mousavi / King's College London

Group C : Quantum Sensing and Metrology		
#11	Quantum Sensing at RAL Space	Mark Bason / RAL Space
#12	Quantum sensors for dark matter detection	Adrian Bevan /Queen Mary University of London
#13	Nanodiamond quantum thermometry for biological applications	Masazumi FUJIWARA / Okayama University
#14	Quantum light spectroscopy of complex quantum systems	Animesh Datta / University of Warwick
#15	Nitrogen-Vacancy Centres in Diamond for Quantum Science and Technology	Gavin Morley / Warwick University
Group D : Quantum Material		
#16	Molecular quantum materials and devices	Jan Mol / Queen Mary University of London
#17	Quantum coherent magnetoelectric coupling in molecular nanomagnets	Junjie Liu / Queen Mary University of London
#18	Transport properties in graphene quantum dots	Takuya Iwasaki / National Institute for Materials Science
#19	Quantum tunneling and spin effects in Biomolecular systems	Ismael Diez-Perez / King's College London
#20	Spin and valley qubits for quantum technologies	Maciej / University of Exeter
Group E : Other Quantum Technologies		
#21	Quantum Engines & Quantum Energy Processing	Thomas Busch / OIST Graduate University
Break		20:15-20:20 / 11:15-11:20
3. Networking and group discussions (attendees & presenter)		20:20-21:00 / 11:20-12:00
<p>All attendees are invited to join in a group discussion with the presenters on the subject of their research. When you enter the room, please select your quantum research area of interest from below and indicate before your name and affiliate. (example : A_sachiko kaneko_JST)</p>		
<p>A. Quantum communication B. Quantum computing C. Quantum sensing, metrology D. Quantum material, E. Other quantum Technologies</p>		
4. Short announcement from EPSRC		21:00-21:15 / 12:00-12:15
Closing		21:15 / 12:15