

## ISQIT2017 Program

### TUESDAY SEP 12/SEASIDE HOUSE

14:00	Arrival and Registration
18:30-20:30	Dinner

### WEDNESDAY SEP 13/SEASIDE HOUSE

7:00- 8:45	Breakfast
9:00-9:15	Opening
9:15-10:00	Patrice Bartet (CEA-Saclay, France) <i>"Hybrid Quantum Circuits Combining Superconducting Circuits and Spins"</i>
10:00-10:45	Koji Usami (Univ. of Tokyo, Japan) <i>"Cavity optomagnonics with spherical magnets"</i>
10:45-11:15	Coffee break
11:15-11:35	Christoph Zollitsch (UCL, UK) <i>"Sustainable Magnetic Field Tuning of Superconducting Resonators"</i>
11:35-11:55	Jason Ball (OIST, Japan) <i>"A loop-gap resonator for hybrid quantum systems"</i>
11:55-12:30	Michael Stern (Bar-Ilan University, Israel) <i>"Flux qubits for coupling with spins"</i>
12:30-14:00	Lunch and free time
14:00-14:45	Takayuki Iwasaki(Tokyo Institute of Technology, Japan) <i>"Quantum technologies using diamond color centers"</i>
14:45-15:15	Reinier Heeres(CEA-Saclay, France)
15:15-15:30	Coffee break
15:30-16:15	Diana Serrano Garcia(Chimie ParisTech - CNRS, France) <i>"Optical detection and control of spin coherences in RE doped crystals"</i>
16:15-16:35	Gavin Dold(UCL, UK) <i>"Superconductor-spin hybrid system targeting clock transitions in Nd:YSO"</i>
16:35-17:05	Lucile Veissier(LAC, Universite d'Orsay, France) <i>"Selective optical addressing of nuclear spins through superhyperfine interaction in rare-earth doped solids"</i>

17:05-18:30	Poster session and free discussion
18:30-20:30	Dinner

THURSDAY SEP14/ MAIN CAMPUS C210

7:00-8:30	Breakfast
8:30	Transfer to Main Campus
9:00-9:45	John Morton(UCL, UK)
9:45-10:15	Jarryd Pla (Univ. of New South Wales, Astralia) <i>"Practical considerations for a hybrid spin memory in silicon"</i>
10:15-10:45	Coffee break
10:45-11:15	Sebastian Probst(CEA-Saclay, France) <i>"High sensitivity quantum limited electron spin resonance spectroscopy"</i>
11:15-12:00	Benjamin Pingault(Cambridge Univ. UK) <i>"Control and coherence of the silicon-vacancy spin in diamond"</i>
12:00-12:30	Tokuyuki Teraji(NIMS, Japan) <i>"High-quality homoepitaxial diamond growth and color center formation"</i>
12:30-12:45	Group photo
12:45-14:00	Lunch and Campus tour
14:00-14:45	Rose Ahlefeldt(Australian National University, Australia) <i>"rare earth ion-ion interactions and their impact on quantum information applications"</i>
14:45-15:15	Kukharchyk Nadezhda(University of Saarland, Germany) <i>"Rare-earth doped fluorine crystals for quantum memory and conversion"</i>
15:15-19:30	Excursion
19:30-21:30	Conference Dinner

## FRIDAY SEP15/SEASIDE HOUSE

7:00-9:00	Breakfast
9:00-9:45	Philip Blocher (Aarhus University, Denmark) <i>"Estimating nuclear spin trajectories within a hidden Markov model of silicon qubits"</i> Klaus Moelmer(Aarhus University, Denmark) <i>"Just squeeze me (but don't tease me)"</i>
9:45-10:30	Renbao Liu (The Chinese University of Hong Kong, China) <i>"Lee-Yang zeros in quantum decoherence"</i>
10:30-10:45	Coffee break
10:45-11:05	Leonid Abdurakhimov(UCL, UK) <i>"Spin resonance of boron acceptors in silicon"</i>
11:05-11:35	Alexander Barbaro(Oxford Univ., UK)
11:35-11:50	Coffee Break
11:50-12:20	Erika Kawakami (OIST, Japan) <i>"Towards realization of a universal quantum computer using electrons on helium"</i>
12:20-12:50	Denis Konstantinov(OIST, Japan) <i>"Ripplonic Lamb shift for electrons on liquid helium"</i>
12:50-14:30	Lunch
14:30-16:45	Round Table Discussion
16:45-17:00	Closing
17:00-	BBQ Dinner

## SATURDAY SEP16/ SEASIDE HOUSE

7:00-9:00	Breakfast
9:00	Departure