

Superconducting Quantum Devices 2015

Friday 18th September 2015

Bourne Lecture Theatre One

Royal Holloway, University of London

Egham, Surrey, TW20 0EX

Programme

10.30 Refreshments available

11.00 Talk 1

Adam Esmail, University of Cambridge

Observing the breaking and recombination of Cooper pairs

11.30 Talk 2

Eran Ginossar, University of Surrey

Fermion parity measurement and control in Majorana circuit quantum electrodynamics

12.00 Talk 3

Jian Li, University of Glasgow

Characterisation of SOI integrated MoSi superconducting nanowire single photon detectors

12.30 Talk 4

Tejas Guruswamy, University of Cambridge

Nonequilibrium models of illuminated superconducting thin film resonators

13.00 Short discussion of administrative matters for future conferences, Lunch and Posters

14.45 Talk 5

Richard George, Lancaster University

A proposal for superconducting quantum optoelectronics

15.00 Talk 6

Teresa Hoenigl-Decrinis, Royal Holloway/National Physical Laboratory

Quantum optics with superconducting qubits

15.30 Talk 7

Jason Robinson, University of Cambridge

Spin-polarised superconducting states at superconductor/ferromagnet interfaces

16.00 Talk 8

Riccardo Manenti, University of Oxford

Surface acoustic wave resonators in the quantum regime

16.30 Talk 9

Victor Petrashov, Royal Holloway

Resolving the thermoelectric 'paradox' in superconductors

17.00 End, Refreshments available

Please could speakers include a brief overview of the interests and goals of their research group. Talks should be 25 mins + 5 mins for questions.

Participants, if they have not already done so, should register for attendance or further poster contributions at www.sqd.org.uk by Thursday 10th September 2015.

All posters submitted are accepted.