QuSpin 2017

Organizers: Arne Brataas, Jacob Linder, Asle Sudbø, and Justin Wells
Local planning: Sol Jacobsen

Thursday, October 5

08.30-09.00: QuSpin opening
09.00-09.30: Mark Blamire, Superconducting spintronics
09.30-10.00: Jan Arts, Magnetic control over spin triplet supercurrents
10.00-10.30: Break
10.30-11.00: Alexander Golubov, Superconductor-ferromagnet junctions: physics and applications
11.00-11.30: Annica Black-Schaffer, Magnetic impurities in spin-orbit coupled superconductors
11.30-12.00: Break
12.00-12.30: Matthias Eschrig, Spin control in superconducting devices
12.30-14.00: Lunch
14.00-14.30: Geoffrey Beach, Room temperature magnetic skyrmions in engineered heterostructures
14.30-15.00: Christian Back, Entropy-limited topological protection of skyrmions
15.00-15.30: Break
15.30-16.00: Thomas Jungwirth, THz electrical writing speed in an antiferromagnetic memory
16.00-16.30: Xavier Waintal, Quantum electronics at Terahertz frequencies
16.30-17.30: Meeting for members of Scientific Advisory Committee and QuSpin Centre Director

18.00-: Workshop dinner

Friday, October 6

09.00-09.30: Daniela Pfannkuch, Spin dynamics and transport through magnetic adatoms on surfaces
09.30-10.00: Gerrit Bauer, Spin cavtronics with YIG
10.00-10.30: Break
10.30-11.00: Andrew D. Kent, Magnon condensates in spin-transfer nanocontacts
11.00-11.30: Wolfgang Belzig, Quantum non-integral magnonics at magnetic insulator-normal metal interfaces
11.30-13.00: Lunch
13.00-13.30: Mathias Bode, Robust spin-polarized midgap states at step edges of topological crystalline insulators
13.30-14.00: Phil King, Spin-orbit coupled d-electron surface states of delassite oxides
14.00-14.30: Break
14.30-15.00: Ferdinand Kuemmeth, Voltage-controlled spin qubit experiments in arrays of quantum dots
15.00-15.30: Alexander Balatsky, Dirac magnons in honeycomb ferromagnets
15.30-16.00: Milena Grifoni, Majorana fermions in carbon nanotubes