



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 cavitronics 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*