



**Jointly with TOPNES (Topological Protection and Non-Equilibrium States in Strongly Correlated Electron Systems)**

**PROGRAMME OF EVENTS**  
**'Topological Quantum Matter'**

**Monday 2 September 2013**

**Venue:** The Merchants' Hall, 22 Hanover Street, Edinburgh, EH2 2EP

09:30 – 10:00	Arrival / Registration / <b>Tea &amp; Coffee</b>	Crush Hall/Court Room
10:00 – 10:10	Prof Andrew Huxley, University of Edinburgh <b>Welcome / Announcements</b> Prof Martin McCoustra, Heriot-Watt University <b>Presentation of the BVC junior prize medal to Dr Phil King</b>	The Hall
10:10 – 10:30	Prof Peter Higgs, University of Edinburgh <b>"The Higgs Centre for Theoretical Physics"</b>	The Hall
10:30 – 11:30	Prof Duncan Haldane, Princeton University <b>"Topologically-protected edge states, topological order, and entanglement in quantum condensed matter"</b>	The Hall
11:30 – 12:30	Prof David Goldhaber-Gordon, Stanford University <b>"Superconductor-topological insulator hybrids"</b>	The Hall
12:30 - 13:30	<b>Lunch</b>	Crush Hall/Court Room
13:30 – 14:30	Prof Stefan Kuhr, University of Strathclyde <b>"Probing strongly correlated quantum systems with single-atom resolution"</b>	The Hall
14:30 – 15:30	Prof Charlie Marcus, Niels Bohr Institute, University of Copenhagen <b>"Evolution of zero bias conductance peaks in nanowires"</b>	The Hall
15:30 – 16:00	<b>Tea and Coffee</b>	Crush Hall/Court Room
16:00 – 17:00	Prof Steven Girvin, Yale School of Engineering & Applied Science <b>"Circuit QED: Wiring up Quantum Systems"</b>	The Hall



**Monday 2 September 2013 - Evening****Venue:** The Balmoral, 1 Princes Street, Edinburgh, EH2 2EQ

19:00 19:30 -23:00	Pre-dinner drinks Dinner / After dinner drinks (Cash bar) (Invited Guests and Speakers)	Waverley Suite Holyrood Suite
-----------------------	---	----------------------------------

**Tuesday 3 September 2013****Venue:** The Merchants' Hall, 22 Hanover Street, Edinburgh, EH2 2EP

09:30 – 10:00	<b>Tea &amp; Coffee</b>	The Hall
10:00 – 11:00	Prof Xiao-Gang Wen, Perimeter Institute for Theoretical Physics <b>“Topological order: from long-range entanglements to an unification of light and electrons”</b>	The Hall
11:00 – 12:00	Prof Stephen Barnett, University of Glasgow <b>“What is quantum information?”</b>	The Hall
12:00 - 13:00	<b>Lunch</b>	Crush Hall/Court Room
13:00 – 14:00	Prof Joel Moore, University of California, Berkley <b>“How to probe edge and surface states of topological phases via transport measurements”</b>	The Hall
14:00 – 15:00	Prof Piers Coleman, Rutgers University <b>“HEAVY FERMION PHYSICS: Rise of the topologies”</b>	The Hall
15:00 – 15:30	<b>Tea and Coffee</b>	Crush Hall/Court Room
15:30 – 16:30	Prof Aharon Kapitulnik, Stanford University <b>“Time Reversal Symmetry Breaking in Unconventional Superconductors”</b>	The Hall
16:30 – 17:00	Prof Steve Simon, University of Oxford – <b>Meeting Summary / Close Depart</b>	The Hall