

**Quantum Materials Program Meeting**  
**Coast Plaza Hotel, 1763 Comox Street**  
**Vancouver, BC (604) 688-7711**  
**8-11 May 2013**

**Wednesday 8 May**

18:30-20:30     **Reception/Dinner** – Gilford Room, Coast Plaza Hotel  
For QM Program Members and Guests

**Thursday 9 May, Nelson/Denman**

07:00-08:15     **Breakfast, Comox Room**  
08:30-09:00     Alberto MORPURGO (Geneva) – *New phenomena in suspended graphene devices*  
09:00-09:30     Kazunori UENO (Tokyo) – *Electric-field-induced superconductivity on an oxide / electrolyte interface*  
09:30-10:00     Young-June KIM (Toronto) – *Magnetism in iridates probed with resonant x-ray scattering*  
10:00-11:00     **Coffee Break**  
11:00-11:30     Rafael FERNANDES (Minnesota) – *Spin fluctuations and nematic order in iron-based superconductors*  
11:30-12:00     Kouji SEGAWA (Osaka) – *Experimental studies of 3D topological insulators*  
12:00-12:30     David BROUN (Simon Fraser) – *Vortex dynamics and d-wave superconductors*  
12:30-14:00     **Lunch, Comox Room**  
14:00-15:00     POSTER ADS  
15:00-19:00     POSTER SESSION & COFFEE BREAK – *CONFERENCE FOYER*  
19:00-20:30     **Dinner for QM Program Members, Guests and Summer School Students at Coast Plaza Hotel, Shoreline Suite, 35<sup>th</sup> Floor**

**Friday 10 May, Nelson/Deman**

07:00-08:15     **Breakfast, Comox Room**  
08:30-09:00     Joseph MACIEJKO (Princeton) – *Topological insulators: interaction effects and new states of matter*  
09:00-09:30     Masatoshi SATO (Nagoya) – *Symmetry-protected Majorana fermions in superconductors*  
09:30-10:00     Mona BERCIU (UBC) – *New trends for dressed quasiparticles*  
10:00-11:00     **Coffee Break**  
11:00-11:30     Chris WIEBE (Winnipeg) – *Tuning exchange parameters in the search for exotic magnetism*  
11:30-12:00     Sarah BURKE (UBC) – *Scanning tunneling spectroscopy of the iron-based superconductor LiFeAs*

12:00-12:30 Ruixing LIANG (UBC) – *Materials aspects in cuprate superconductors*  
12:30-14:00 **Lunch, Comox Room**  
14:00-15:00 Antoine GEORGES (Paris) – *Strong correlations from Hund's coupling*  
15:00-19:00 POSTER SESSION & COFFEE BREAK – *CONFERENCE FOYER*  
17:30-18:30 BUSINESS MEETING (*Program members and Advisors only*)  
19:00-20:30 **Dinner**, Self-organized

## **Saturday 11 May, Nelson/Denman**

07:00-08:45 **Breakfast, Comox Room**  
09:00-09:30 Josh FOLK (UBC) – *Spin-orbit coupling and magnetic moments in graphene*  
09:30-10:00 Michel GINGRAS (Waterloo) – *Quantum order-by-disorder in  $Er_2Ti_2O_7$*   
10:00-10:30 Jeff SONIER (Simon Fraser) –  *$\mu$ SR studies of the pseudogap phase in cuprate superconductors*  
10:30-11:30 **Coffee Break**  
11:30-12:00 Marcel FRANZ (UBC) – *Weyl semimetals and insulators*  
12:00-12:30 Joseph THYWISSEN (Toronto) – *Transverse spin diffusivity of a unitary Fermi gas*  
12:30-14:00 **Lunch, Comox Room**  
14:00-16:00 Panel discussion (students, postdocs, researchers) – *Studies and careers in QM research*  
16:00-18:30 FREE INTERACTIONS  
18:30-20:30 **Dinner**, Self-organized

## **Sunday 12 May**

07:00-08:30 **Breakfast** – Self-organized  
08:30- DEPARTURE