

CIAR – Quantum Materials Program Meeting
Renaissance Hotel, Vancouver – 27-31 May 2009

Wednesday 27 May

18:30-20:30 **Group Dinner** (program members & guests only) – **Port of Vancouver, 2nd Floor**

Thursday 28 May – Harbourside Ballroom 1, 2nd Floor

07:00-08:30 **Breakfast – Vistas, 19th Floor**

08:30-15:30 **BUSINESS MEETING (PROGRAM MEMBERS & ADVISORY COMMITTEE ONLY)**

08:30-08:45 *Introduction to strategy discussions*

08:45-09:30 *Quantum phase transitions*

09:30-10:15 *Quantum magnets & Spin liquids*

10:15-10:45 **Coffee Break**

10:45-11:30 *Oxides & Structures*

11:30-12:15 *Cold atoms*

12:15-13:00 *Superconductivity*

13:00-14:30 **Lunch**

14:30-15:30 *Other business*

15:30-16:30 POSTER ADS & HOT STORIES

16:30-19:00 POSTER SESSION & COFFEE BREAK – **Port of San Francisco / New York, 3rd Floor**

19:00-20:30 **Group Dinner** (with summer school students & postdocs) – **Vistas, 19th Floor**

Friday 29 May – Harbourside, Ballroom I, 2nd Floor

07:00-08:30 **Breakfast - Vistas, 19th Floor**

08:30-09:30 Martin ZWIERLEIN (MIT) – *Observation of Fermi polarons in a tunable Fermi liquid of ultracold atoms*

09:30-10:30 Debbie JIN (JILA) – *Using photoemission spectroscopy to probe a strongly interacting Fermi gas*

10:30-11:00 **Coffee Break**

11:00-12:00 Philippe BOUYER (Institut d'optique, CNRS) – *Quantum gases and optical disorder*

12:00-13:00 Yoshi MAENO – *Anomalous Hall effect in the triangular lattice antiferromagnet PdCrO₂*

13:00-14:30 **Lunch - Vistas, 19th Floor**

14:30-15:30 Claude BOURBONNAIS – *Antiferromagnetism & superconductivity in quasi-1D organics*

15:30-16:30 Nicolas DOIRON-LEYRAUD (Sherbrooke) – *Transport in quasi-1D organic superconductors*

16:30-19:00 POSTER SESSION & COFFEE BREAK – **Port of San Francisco / New York, 3rd floor**

19:00-20:30 **Dinner – On own**

Saturday 30 May – Harbourside, Ballroom 1, 2nd Floor

- 07:00-08:30 **Breakfast - Vistas, 19th Floor**
- 08:30-09:00 Ruslan PROZOROV (Ames) – *Anisotropic penetration depth in pnictide superconductors*
- 09:00-09:30 Makariy TANATAR (Ames) – *Heat transport in pnictide superconductors*
- 09:30-10:30 Zlatko TESANOVIC (Johns Hopkins) – *Iron-pnictide superconductors as multiband correlated metals*
- 10:30-11:00 **Coffee Break**
- 11:00-12:00 Andrei CHUBUKOV (Wisconsin) – *Pairing symmetry in pnictides*
- 12:00-13:00 Ramzy DAOU (Sherbrooke / Dresden) – *Nernst effect in high- T_c superconductors*
- 13:00-14:30 **Lunch - Vistas, 19th Floor**
- 14:30-15:30 Zahid HASAN (Princeton) – *Entangled Dirac fermions, topological phases and experimental observation of quantum Hall-like effects without magnetic field*
- 15:30-16:30 Joel MOORE (Berkeley) – *Topological insulators: magnetoelectric effects and correlated phases*
- 16:30-19:00 POSTER SESSION & COFFEE BREAK – **Vistas, 19th Floor**
- 19:00-20:30 **Dinner – On own**

Sunday 31 May

- 07:00-08:30 **Breakfast - Port of New York / Hong Kong, 3rd Floor**
- 08:30- DEPARTURE