

International Fault Slip Control Research Program | Workshop Series



C E M I

Centre for Excellence
in Mining Innovation

Experimental Design Workshop in Microseismicity From Monitoring Technology to Seismic Event Prediction

October 29 - 30, 2009 | Sudbury, Ontario, Canada

Willet Green Miller Centre (WGMC) Auditorium, 935 Ramsey Lake Road
Hampton Inn Sudbury, Ontario Room, 2280 Regent Street

THURSDAY OCTOBER 29, 2009

SEMINARS (WGMC)

- 12:00 WELCOME LUNCH**
12:20 - MIRARCO Research to Reality: Application of Mining-induced Seismic Hazard Maps (Virtual Reality Laboratory)
- 13:00** CEMI Introduction of afternoon seminars (D. Duff, J. Djivre)
- 13:05** Can We Define If and When a Fault Becomes Critical? (S. McKinnon)
- 13:35** Developments in Seismic Monitoring at ESG (C. Trifu)
- 14:05** Mine Seismicity: Forecasting or Prediction? (S. Spottiswoode)
- 14:30 BREAK**
- 14:45** Seismic Hazard, Stability of Deformation and Stability of a Structure (A. Mendecki)
- 15:15** Relating Fault Slip to Earthquake Rupture Processes and Damaging Ground Motion (A. McGarr)
- 15:45** Microseismic Monitoring in the Oil and Gas Industries (M. Dusseault)
- 16:15** End
- 16:30** *Taxi transportation from the WGMC to the Hampton Inn*

WORKSHOP DINNER (HAMPTON INN)

- 18:00 DINNER** introductions, terms of reference, objectives and evening overview (D. Duff and P. Kaiser)
- 19:00** Global Perspective on Current Fault Slip Research Initiatives (B. Milkereit)
- 19:25** DUSEL and Recent Fault Slip Developments (D. Elsworth)
- 19:50 Strategic Question #1:** Identifying the Research Gaps (S. Spottiswoode- facilitator)
- 21:30** End

FRIDAY OCTOBER 30, 2009

WORKSHOP CONT. (HAMPTON INN)

- 07:30 BREAKFAST (Provided)**
- 08:00** Summary and Recap of Strategic Question #1 discussion (S. Spottiswoode- facilitator)
- 08:15 Strategic Question #2:** Identifying the Research Opportunities (P. Swanson- facilitator)
- 09:15** Question Wrap up
- 09:30 BREAK**
- 09:45 Strategic Question #3:** Identifying the Experimental Design Criteria (B. Milkereit- facilitator)
- 10:45** Question Wrap up
- 11:00 Strategic Question #4:** Identifying the Required Resources (P. Kaiser, J. Djivre co-facilitators)
- 12:00 LUNCH (Provided)**
- 12:45** Expectations and goals for remaining time (D. Duff)
- 13:00** Question #4 Wrap Up
- 13:15 Strategic Question #5:** Identifying Showstoppers (D. Duff- facilitator)
- 14:00** Question Wrap up
- 14:15 BREAK**
- 14:30 Strategic Question #6:** Next Steps (D. Duff- facilitator)
- 15:30** Reviewing Outcomes- Where to from here?
- 15:45** Closing Remarks and end of workshop (P. Kaiser)
- 16:05** *Taxi transportation to the airport (for 5:50 PM flight)*