

## **Schedule:**

### **Monday, June 3<sup>rd</sup>**

#### **Advanced Modes: Tapping, nc-AFM: measuring structure**

- 8:30 Registration
- 8:45-9:00 Intro, organization (Peter Grutter)
- 9:00-10:30 nc-AFM, Tapping mode and co. (Peter Grutter)
- 10:30-11:00 Break
- 11:00-11:45 Intro to contact mechanics (David Oliver)
- 11:45-12:30 AFM in liquids (Peter Grutter)
- 12:30-13:30 lunch
- 13:30-17:00 Hands on
- 17:00-20:00 Discussion of afternoon's experience and general AFM /problems/observations  
(with food and drink)

### **Tuesday, June 4<sup>th</sup>:**

#### **Force Spectroscopy: measuring properties**

- 9:00-10:30 Force Spectroscopy, Viscoelasticity, and Friction (Tobin Filleter)
- 10:30-11:00 Break
- 11:00-12:30 Electrostatic Forces, Kelvin Probe Force Microscopy (Yoichi Miyahara)
- 12:30-13:30 lunch
- 13:30-17:00 Hands on
- 17:00-17:30 General discussion of afternoon's experience/problems/observations  
(with wine & cheese)
- 17:45-19:15 Vendor presentations and discussions

### **Wednesday, June 5<sup>th</sup>**

#### **Combining optics and AFM:**

- 9:00-10:15 Tip Enhanced Raman Spectroscopy (Andreas Ruediger/ Mischa Nicklaus)
- 10:15-10:45 Break
- 10:45-12:00 IR spectroscopy at the nanoscale (Gilbert Walker)
- 12:00-12:30 Discussion on pros & cons of different optical techniques
- 12:30-13:30 lunch
- 13:30-17:30 Lab visit to INRS (with bus) or lab visits McGill