Schedule:

Monday, June 3rd
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 4th:
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 5th
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