



WHIS&T 2013 AGENDA

Workshop on Hyperspectral Imaging Science & Technology

M1040, Markin Hall – June 13th & 14th

Day 1: June 13th, 2013

- 8:50-9:00 **Event Introduction** (D. Peddle)
- 9:00-10:00 **Martin Bergeron**, Scientist – Canadian Space Agency
Space utilization programs and hyperspectral activities at the Canadian Space Agency
- 10:00-10:30 **Peter Kennedy**, AMETHYST M.Sc. Student, University of Lethbridge
Template-guided tree/non-tree classification of the Vermilion River watershed
- 10:30-10:45 **Break**
- 10:45-11:30 **Laura Chasmer**, Research Associate – Wilfrid Laurier University
The importance of a good land cover classification in the zone of discontinuous permafrost
- 11:30-12:00 **Round Table** (Facilitator: D. Peddle)
- 12:00-13:30 **Lunch**
- 13:30-14:30 **John Gamon**, Professor – University of Alberta
Hyperspectral applications: past, present and future
- 14:30-14:45 **Break**
- 14:45-16:00 **Agnes Perrin**, Professor – University of Paris
Fundamentals of spectroscopy for atmospheric remote sensing
- 16:00-16:30 **Round Table** (Facilitator: D. Peddle, A. Predoi-Cross)



Day 2: June 14th, 2013

- 8:50-9:00 **Day 2 Introduction** (A. Predoi-Cross)
- 9:00-9:45 **Agnes Perrin**, Professor – University of Paris
Examples of spectroscopic applications for atmospheric remote sensing retrievals
- 9:45-10:30 **Adriana Predoi-Cross**, Professor – University of Lethbridge
Fundamentals of spectroscopy for atmospheric remote sensing (part 2)
- 10:30-10:45 **Break**
- 10:45-11:30 **Jeff Dunn**, Professor – University of Calgary
Near-infrared spectroscopy for studies of brain metabolism and oxygenation
- 11:30-12:00 **Round Table** (Facilitator: A. Predoi-Cross, A. Cross)
- 12:00-13:30 **Lunch**
- 13:30-14:30 **Piotr Kozlowski**, Associate Professor – University of British Columbia
Phase MRI to assess white matter damage following injury model in rat spinal cords
- 14:30-14:45 **Break**
- 14:45-15:15 **Keiko McCreary**, AMETHYST Ph.D. Student – University of Lethbridge
Neuroscience applications of manganese enhanced MRI
- 15:15-16:00 **Melanie Martin**, Associate Professor – University of Winnipeg
Applications of MRI to different rodent models of CNS disorders
- 16:00-16:30 **Round Table** (Facilitator: A. Cross)