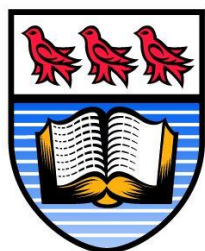
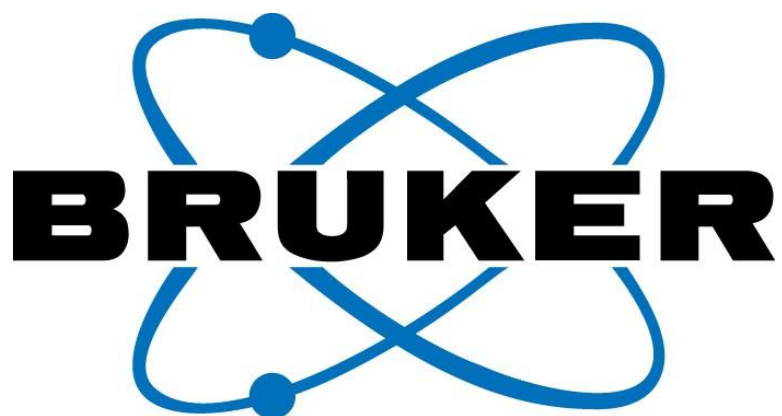




## Program

- 9:00-9:30 Registration
- 9:30-9:45 Welcome
- Session 1** Moderator: Andrew Lewis
- 9:45-10:10 Roman Belli, Lisa Rosenberg  
Kinetic and Mechanistic Analysis of Ru-catalyzed Hydrophosphination by  $^1\text{H}/^{31}\text{P}$  NMR
- 10:10-10:35 M.T. Berry and J.E. Hein  
*N*-heterocyclic Carbene-catalyzed Acylation of Sulfonamides: A Reaction Progress Mechanistic Analysis Using  $^1\text{H}$  NMR Spectroscopy
- 10:35-11:00 Yael Petel, Giao T.M Nguyen, Frédéric Vidal and Carl Michal  
Driven diffusion of ion dense solutions in electroactive gels- a deeper look into the conduction mechanism of solid-state electrolytes.
- 11:00-11:20 Break
- Session 2** Moderator: Paul Xia
- 11:20-11:45 Alan P. Manning, Kimberley L. Chang, Alex L. MacKay, Carl P. Michal  
Quantum mechanics on the brain: Using dipolar coupling to quantify myelin with MRI
- 11:45-12:10 Reza Tavakoli Dinani and Mike Hayden  
Echo Generation by Tipping Pulses Applied Far Off Resonance
- 12:10-12:35 Christopher I. Keeling, Andrew R. Lewis, Allison R. Kermode  
Magnetic resonance imaging of conifer seeds
- 12:45-14:15 Lunch (Village Greens)
- 14:15-15:45 Poster Session (Village Greens)
- Thomas Skalski, Benjamin Britton, Timothy J. Peckham, Steven Holdcroft  
Synthesis of Structurally-Defined, Sulfo-Phenylated Oligophenylenes and Polyphenylenes for PEM Fuel Cells
- Ryutaro Ohashi, Carl Michal, Mark MacLachlan, and Wadood Hamad  
Solid-state sodium NMR in cellulose nanocrystal films
- Jin Yang, Lisa Rosenberg  
Characterization of half-sandwich Ruthenium complex via multi-nuclear NMR spectroscopy
- Jun Chen, Fraser Burns, Brenden Kilpatrick, Kevin Sun, Allen G. Oliver, Matthew G. Moffitt and Jeremy E. Wulff  
NMR in the Study of Thiele's Acid Derivatives & Their Applications
- Fatemeh Ektefa, Soheila Javadian, and Yan Alexander Wang  
An efficient approach to explore performance of nanostructure of zeolite: Computational analysis
- Tian Zhang and Carl Michal  
Wideline NMR with windowed excitation
- 15:45-16:00 Awards Presentation

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