

# WITP Summer Symposium 2013

29 Aug 2013, Allen Building Room 519, University of Manitoba

Research talks will be 20 minutes, including time for questions.

**9:15** Welcome by Mark Whitmore, Dean of Science, University of Manitoba

**9:30** *Brad Counden* “Modern models of extra dimensions in string theory”

**9:50** *Nick Reid* “A dark theory for a light problem”

**10:10** Break

**10:30** *Joe Smith* “The 4-vertex in scalar- $\Psi^4$  theory using the 2PI effective action”

**10:50** *Gabriel Chernitsky* “Searching for gamma radiation in dwarf galaxies”

**11:10** Break

**11:20** *Morgan Mercredi* “Cell migration in competing chemotactic environments”

**11:40** *Jared Enns* “Dark light: Exploring dark radiation Models”

**12:00** Lunch & Discussion

**13:30** *Nils Deppe* “Adaptive mesh refinement for constrained 1D hyperbolic systems”

**13:50** *Allison Kolly* “Gravitational collapse in anti-de Sitter space”

**14:10** Break

**14:30** *Ben Guest* “A new galactic pulsar candidate revealed by the Chandra X-ray Observatory”

**14:50** *Chelsea Braun* “Supernova remnants as astrophysical laboratories for the formation of the elements”

**15:10** Break

**15:20** *Angel Barria* “On the algebraic and topological structures of the Levi-Civita field”

**15:40** *Darren Flynn* “On delta functions on the Levi-Civita field”

**16:00** Break

**16:10** *Gidon Bookatz* “On locally uniformly differentiable functions on the Levi-Civita field: the inverse function theorem and the intermediate function theorem”

**16:30** *William Grafton* “Fourier analysis on the Levi-Civita field”

