



# Biomedical Engineering

## *Lecture Series Seminar*

### **Translational Application of Image Processing Techniques to Practical Medical Problems**

Friday, March 27<sup>th</sup>, 2009

3:00 pm, EC 2300

***Dr. Ian Miller***



Dr. Miller's interests in informatics, computational methods, and process optimization are longstanding, and related to his undergraduate education (B.Sc., Colorado School of Mines) in engineering and computer science. After attending the University of Iowa college of medicine, he completed post-graduate medical training in pediatrics (University of Utah), neurology and child neurology (University of Washington), and clinical neurophysiology (Miami Children's Hospital) before taking a full-time position in Miami. At present, he spends roughly 80% of his time devoted to research, which currently spans multiple areas including traumatic brain injury, diffusion tensor imaging, patient safety, and tuberous sclerosis. All of these projects have indirect clinical benefit to the Miami Children's Brain Institute, and help them provide cutting edge techniques, often which have just been translated to the bedside, in a systematic, routine, and efficient way.