

# Math & Physics Weekly Seminar

## DAVID SIMINOVITCH

**Chair, Physics & Astronomy**

Friday—November 9, 2012

12:00 to 12:50 P.M.

B650 UHall

MAGNETIC MOMENTS:  
A CENTURY OF SPIN PHYSICS

What is the Einstein - de Haas effect? What does it have to do with quantum computing? Find out as we take a grand tour of magnetic resonance: gyromagnetism, spin precession, and rotations in spin and coordinate space. We emphasize the deep connections between mathematics and physics, and highlight some of the current unsolved problems at the frontier of magnetic resonance research.

SOME REFRESHMENTS! EVERYONE WELCOME!