

*Mathematical Research  
at Notre Dame*



UNIVERSITY OF  
NOTRE DAME  
Department of Mathematics

**Speaker:** Richard Hind  
University of Notre Dame

Friday, November 4, 2011  
4:00 pm  
231 Hayes-Healy Hall

**Title:** 'From Hamilton's equations to quantitative symplectic geometry'

**Abstract:**

I will describe how Hamilton's equations of motion motivate symplectic geometry. Natural questions lead to classical uncertainty principles and a symplectic analogue of the Kepler problem.

There will be pizza provided by the department following the lectures.