

# Topology Seminar

## **Gabriel Drummond-Cole**

of Center for Geometry and Physics will be speaking on

### Homotopy probability theory on a Riemannian manifold

on November 14 at 4:30 in  
MIT Room 2-131

Homotopy probability theory is a homological enrichment of algebraic probability theory, a toy model for the algebra of observables in a quantum field theory. I will introduce the basics of the theory and use it to describe a reformulation of fluid flow equations on a compact Riemannian manifold.