

THE MATHEMATICS DEPARTMENT PRESENTS

A MATHEMATICS COLLOQUIUM

THURSDAY, January 31, 2008

BOND HALL 417

3:00 pm

Title: Homotopy theories in topology and algebra

Speaker: Julia Bergner, Kansas State University

Abstract: The classical notion of homotopy in topology and related notions in algebra can be generalized to the idea of a homotopy theory. Considering such a homotopy theory as a mathematical object in its own right has been the subject of much recent investigation. We'll look at some of the methods for studying such objects, as well as some examples of how they are being applied in both topology and algebra.

Refreshments will precede the talk at 2:30pm in Bond Hall 300
courtesy of Jenny Zhang.