



**PURDUE UNIVERSITY**

**Department of Mathematics Special Colloquium**

Speaker: Dr. Svitlana Mayboroda, Ohio State University

Title: "Elliptic Partial Differential Equations in Non-smooth Domains"

Date: Wednesday, January 9, 2008

Time: 3:30 P.M.

Place: BRNG 1222

**Abstract**

Despite its long history, the theory of elliptic partial differential equations is abundant with open problems. We will discuss the main achievements in the theory, recent developments, surprising paradoxes related to the behavior of solutions near the boundary, and some fundamental questions which still remain open.