



**PURDUE UNIVERSITY**

**Department of Mathematics Public Lecture**

Speaker: Professor Martin Golubitsky, Ohio State University

Title: "Patterns Patterns Everywhere"

Date: Tuesday, November 16, 2010

Time: 4:30 P.M.

Place: MATH 175

**Abstract**

Regular patterns appear all around us: from vast geological formations to the ripples in a vibrating coffee cup, from the gaits of trotting horses to tongues of flames, and even in visual hallucinations. The mathematical notion of symmetry is a key to understanding how and why these patterns form. In this lecture, the speaker will show some of these fascinating patterns and explain how mathematical symmetry enters the picture.

Refreshments will be served in the Math Library Lounge at 4:00 p.m.