

# **Math and Stat Colloquium**

**Thursday, October 1**

**3:30pm ANSC 303**

Refreshments will be served in the Lund Hall Foyer at 3:00pm



**Speaker: Min Chen**

**Department of Mathematics**

**Purdue University**

## **“Modeling of Water Waves: Theory and Simulations”**

### **Abstract:**

**An introduction on various water wave models and an overview of their application ranges and their limitations. Recent theoretical results on three-dimensional wave patterns will then be presented. Numerical experiments on three-dimensional waves, including experiments related to wave patterns and solitary wave interactions, will also be demonstrated.**