

SCHOOL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCE

presents the Fall 2008

## EECS Seminar Series

TODAY!

### Ingo Scholtes

*University of Trier, Germany*

#### **“HyperVerse - Towards a Self-Organizing and Sustainable Global-Scale Virtual Environment”**

Monday, November 17, 2008 • 2:00 p.m. • HEC (Harris Center) 101

Distributed Virtual Environments (DVEs) are increasingly more popular in several fields including entertainment, education, and virtual collaboration and are likely to be one of the applications available in the near future on the Internet.

A global-scale, immersive virtual environment, poses significant challenging for the field of distributed systems. Such an environment calls for a massive usage of P2P technologies and the application of self-organization principles. The talk will discuss concepts from statistical mechanics and spatial computing used to improve scalability, dependability and user-experience in the research project HyperVerse.

#### **MR. INGO SCHOLTES**

Ingo Scholtes is currently a Ph.D. candidate with System Software and Distributed Systems Group at University of Trier, Germany. His undergraduate education is in Mathematics and Computer Science. He is currently involved in design and implementation of the Emon Middleware, a highly scalable P2P Data Distribution Framework for distributing collision event data for the ATLAS detector at CERN.