



# Northeastern University

## College of Engineering

**CEE 7400: Graduate Seminar Series**  
Department Civil and Environmental Engineering

## **Geospatially Enabling Civil Engineering**

**Professor Kathleen L. Hancock**  
**Center for Geospatial Information Technology;**  
**Via Department of Civil and Environmental Engineering**  
**Virginia Polytechnic Institute and State University**

**Thursday, October 14, 2010**  
**3:00-4:00 PM\***  
**105 Shillman Hall**

### **Abstract**

With the maturing of GIS and geospatial information, Dr. Hancock performs research in bringing the power of geospatially-referenced information to the problems and decisions of today. Geospatial information, technology, and analysis are integrated into and across an ever increasing number of fields and professions. The integration, interpretation, use, and limitations of geospatial information as it is transformed into knowledge for decision making is an important and evolving necessity in today's geospatially aware environment. Geospatial technologies provide a transformational capability to integrate information across disciplines and domains using location as the integrator. A critical method for integrating hard and soft science topologies is through location or geospatial space. This presentation will summarize recent work in geospatially enabling civil engineering.



**Kathleen Hancock** is the Director for the Center for Geospatial Information Technology and an Associate Professor in the Via Department of Civil and Environmental Engineering at Virginia Tech. She has over 25 years of experience in transportation engineering and 15 years in geospatial analysis. Her research interests include the application of geospatial analysis and geographic information systems and intelligent mapping to engineering problem solving; freight planning and operations; and transportation safety.

*\* 30 minutes reception to follow*