

Friday, Oct 26, 2007

1:40 PM – 2:30 PM

Room 126

Engineering & Architecture Building

All are invited to attend

Pizza will be served

Environmental Seminar Series

**Building Sustainable and Resilient Communities --
Measuring the Intersection of Transportation, the Built
Environment and Social Infrastructure**

Kevin Gardner, Ph.D., P.E.
Director, Environmental Research Group
Associate Professor
Civil Engineering Department
University of New Hampshire

This research investigates interactions between the form of the built environment, transportation systems and services, and municipal infrastructure in order to understand interdependencies between these infrastructures and measurements of a community's resilience and sustainability. Physical form also interacts with civic infrastructure and so this research also investigates the relationships that exist between neighborhood-scale form and measures of social capital. This presentation will cover the conceptual basis for this research endeavor, describe some metrics that are used for studying sustainability from a variety of perspectives (environmental impact, energy use, social fabric, cost, resiliency etc.), and present some data to suggest that physical community form indeed does influence community sustainability.

**The CEE Department offers a Minor in Environmental Engineering, and a
MS in Environmental Engineering. For more information contact:
ceed@temple.edu, (215) 204-7814**