



"Design of Offshore Wind Turbines for Hurricane Resilience"

Graduate Seminar

Thursday, December 5, 2013, 12pm – 1pm

Andrew Myers, Ph.D. Northeastern University.



"Computational Methods for Evolving Interfaces in Mechanics"

HEMI Seminar

Thursday, November 21, 2013, 12pm – 1pm

John Dolbow, Ph.D. Duke University



"Agent-Based Computational Modeling from Playground to Planet: Toward New Foundations"

Graduate Seminar

Thursday, November 14, 2013, 12pm – 1pm

Joshua Epstein, Ph.D. Johns Hopkins University



"Numerical and Analytical Study of the Buckling Capacity of Shallow Gridshells"

Graduate Seminar

Thursday, November 7, 2013, 12pm – 1pm

Samar Malek, Marshall-Sherfield Fellow, University of Bath, UK



"Resilience: An Engineering Challenge"

Graduate Seminar

Thursday, October 17, 2013, 12pm – 1pm

Mary Comerio, Professor Emerita, Department of Architecture,
University of California, Berkeley



"Gel Mechanics: A thermo-mechanically coupled theory for fluid permeation in elastomeric materials "

Special – CISMM Seminar

Thursday, October 10, 2013, 12pm – 1pm

Lallit Anand, Professor, Department of Materials Science and
Engineering, Massachusetts Institute of Technology, BA



" Baltimore Hilton Convention Center Hotel: Challenges and Constraints of designing a Convention Center Hotel in an Urban Setting "

Undergraduate Seminar

Tuesday October 08, 2013, 12pm – 1pm

Hope Furrer and **Stephanie Slocum**, Hope Furrer Associates.



" The Bay Bridge Suspension Cable Dehumidification Project "

Undergraduate Seminar

Tuesday October 01, 2013, 12pm – 1pm

Shane Beabes, AECOM.



"BIM and its Impact on Today's Structural Engineering Workflows"

Undergraduate Seminar
Tuesday, September 24, 2013, 12pm – 1pm
Dan Monaghan, Nemetschek North America



"One-Way versus Two-Way Coupling in Reservoir-Geomechanical Models"

Special Seminar
Friday, September 20, 2013, 12pm – 1pm
Jean Prévost, Ph.D. Princeton University



"Form-finding and Patterning Techniques for Membrane Structures"

Graduate Seminar
Friday, August 2, 2013, 12pm – 1pm
Krzysztof Szewczyk, Technical University of Denmark



"Probabilistic Nano-Mechanical Theory of Quasibrittle Structure Strength, Crack Growth, Lifetime and Fatigue"

Special – MoM Seminar
Friday, April 26, 2013, 12pm – 1pm
Zdeněk Bažant, Ph.D. Northwestern University



"Technical Consulting: The Intersection of Mythbusters, CSI, and Civil Engineering"

Graduate Seminar

Thursday, April 25, 2013, 12pm – 1pm

Troy Morgan, Ph.D. Exponent, Inc.



"Bridges, Webs, and Molecules – From Structures to Materials And Back"

Graduate Seminar

Thursday, April 18, 2013, 12pm – 1pm

Steven Cranford, Ph.D. Northeastern University



"Toward a New Structural Engineering"

Undergraduate Seminar

Tuesday, April 16, 2013, 12pm – 1pm

Powell Draper, University of Maryland



"Practical Engineering: Life as a Consulting Engineer and Scientist"

Undergraduate Seminar

Tuesday, April 02, 2013, 12pm – 1pm

Mark Johnson, Geosyntec Consultants



"Climate Extremes: The Science, Impacts, and Policy Relevance"

Graduate Seminar

Thursday, March 28, 2013, 12pm – 1pm

Auroop Ganguly, Ph.D. Northeastern University



"800 / 900 North Glebe Road buildings in Arlington, VA"

Undergraduate Seminar

Tuesday, March 26, 2013, 12pm – 1pm

Mark Erdman, Structura, Inc.

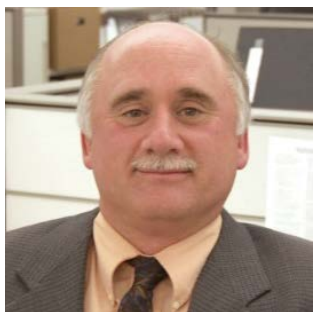


"Stormwater Management at Seagirt Marine Terminal"

Undergraduate Seminar

Tuesday, March 05, 2013, 12pm – 1pm

Craig Huntley, Moffatt & Nichol Engineers



"Replacement of Superstructure and Rehabilitation of a Deck-Stiffened Arch Bridge on US 40 over the Patapsco River"

Undergraduate Seminar

Tuesday, February 26, 2013, 12pm – 1pm

Stephen Matty, URS Corporation



"From Concrete to the Cardiovascular System: Computational Mechanics for Engineering Inverse Problems"

Graduate Seminar

Thursday, February 21, 2013, 12pm – 1pm

John Brigham, Ph.D. University of Pittsburgh



"Sensors and Information Models for Construction and Facility Operations"

Graduate Seminar

Thursday, November 29, 2012, 12pm – 1pm

Burcu Akinci, Ph.D. Carnegie Mellon University



"Condition Assessment: 1964 World's Fair NYS Pavilion"

Undergraduate Seminar

Tuesday, November 27, 2012, 12pm – 1pm

Bob Knight, RTKL Associates



"Seismic Assessment and Repair Design: The Washington Monument and the Washington National Cathedral"

Undergraduate Seminar

Tuesday, November 20, 2012, 12pm – 1pm

Erik Sohn and Kathryn Francis, Wiss, Janney, Elstner Associates, Inc.



**Mechanics
of Materials**
CIVIL ENGINEERING

"Analysis of Structures under Extreme Loads using the Applied Element Method"

Special Seminar

Monday, November 19, 2012, 12pm – 1pm

Hatem Tagel-Din, Ph.D., Nabil Rahman, Ph.D., and Michael Hahn



"Form Finding and Optimization of Civil Structures"

Graduate Seminar

Thursday, November 15, 2012, 12pm – 1pm

Sigrid Adriaenssens, Ph.D. Princeton University



"Emergency Damage Assessment of the Washington Monument after the 2011 Virginia Earthquake"

Undergraduate Seminar

Tuesday, November 06, 2012, 12pm – 1pm

Carlos Lazarte, Ph.D. Schnabel Engineering



"Real-Time Hybrid Simulation for Structural Performance Evaluation"

Graduate Seminar

Thursday, November 01, 2012, 12pm – 1pm

Brian Phillips, Ph.D. University of Maryland



"Structural Performance of Residential and Light Commercial Building Assemblies and Components when Subjected to Severe Wind and Rain Events"

Graduate Seminar

Thursday, October 11, 2012, 12pm – 1pm

Perry Green, Ph.D.



"Mechanical Properties of CNTs and CNT Nanocomposites Through Ab Initio and Atomistic Simulations"

Special – MoM Seminar

Monday, October 08, 2012, 12pm – 1pm

Baidurya Bhattacharya, Ph.D. The Indian Institute of Technology, Kharagpur



"Large Deformation Dynamic Material Behavior"

Special – MoM Seminar

Thursday, September 27, 2012, 12pm – 1pm

Curt Bronkhorst, Ph.D. Los Alamos National Laboratory