

Past Seminars

Spring 2008

Date	Speaker	Affiliation	Title
Jan 29	Seth Guikema, PhD	JHU Dept. of Geography & Env. Engr.	Probabilistic Risk and Decision Modeling for Complex Infrastructure Systems
Feb 5	Kevin Dungey, PhD	JHU Center for Leadership Education	Delivering Effective Oral Presentations
Feb 12	Reid Sczerba & Richard Shingles	JHU Center for Educational Resources	Presentation of Research Results in Poster Sessions
Feb 19	Cris Moen	JHU Dept. of Civil Engineering	
Feb 26	John C. O'Quinn, J.D.	US Department of Justice	Engineer Turned Lawyer
March 4		No Seminar	
Mar 11	Thomas Haine, Ph.D.	JHU Dept. of Earth & Planetary Sciences	The Peculiar North Atlantic Ocean Circulation, Climate, and the Greatest Waterfall You've Never Heard of
Mar 18		No Seminar	(Spring Break)
Mar 25	Jim Ricles, Ph.D.	Lehigh University	
Apr 1	Robert Dean, ScD, P.E.	University of Florida	
Apr 8	Billy Edge, Ph.D.	Texas A&M University	
Apr 9	Denis Mertz, Ph.D.	University of Delaware	Richard J. Carroll Lecture
Apr 15	Susan Burmeister, P.E.	Cagley & Associates	
Apr 22	Sharon Wood, Ph.D., P.E.	U. of Texas at Austin	Passive Wireless Sensors for Structural Health Monitoring
Apr 29	Judith Mitrani-Reiser, Ph.D.	JHU Dept. of Civil Engineering	

Fall 2007

Date	Speaker	Affiliation	Title
Sept 11	Stephen Stich	JHU Sheridan Libraries	Navigating the Library's Resources for Civil Engineering
Sept 18	NO SEMINAR SCHEDULED		
Sept 25	Tarek Alkhrdaji, Ph.D., P.E.	Structural Preservation Systems, Inc.	Strengthening of Concrete Structures
Oct 2	Pam Scheff	JHU Professional Communication Program	Communicating Information Persuasively to Your Target Audience
Oct 9	Dan Linzell, Ph.D., P.E.	Penn State University	Advanced Coating Systems for Mitigating Blast Effects on Steel Structural Components
Oct 16	Marc Donohue, Ph.D.	JHU Vice Dean for Research	Engineering Ethics
Oct 23	Peter Chomowicz, Ph.D.	MICA	You're Out of Order
Oct 30	Macie Hall & Reid Sczerba	JHU Center for Educational Resources	Effective use of PowerPoint
Nov 6	Anne Raich, Ph.D.	Lafayette College	Multi-objective Design of Trusses using Evolutionary Algorithms and User Design Preferences
Nov 13	Ross Corotis, Ph.D., P.E.	U. of Colorado at Boulder	Risk Issues in the Built Environment
Nov 20	NO SEMINAR		
Nov 27			
Dec 4	Miguel A. Losada	CEAMA - Universidad de Granada, Spain	
Dec 11	STUDY WEEK - NO SEMINAR		
Dec 18	EXAM WEEK - NO SEMINAR		

Spring 2007

Date	Speaker	Affiliation	Title
JAN 23	No seminar scheduled.		
JAN 30	No seminar scheduled.		
FEB 6	No seminar scheduled.		
FEB 13	No seminar scheduled.		
FEB 20	No seminar scheduled.		
FEB 27	Ashkan Vaziri, Ph.D., Research Associate and Lecturer	Harvard University	Metal Sandwich Plates Subject to Shock Loading: Response, Failure and Design Optimization
MAR 6	Richard A. Regueiro, Assistant Professor	Dept. of Civil, Env. & Architectural Eng., University of Colorado at Boulder	
MAR 13	Spring Break		
MAR 20	Narutoshi Nakata, PhD Candidate	University of Illinois at Urbana- Champaign	Multi-Dimensional Hybrid Simulation using A Six- Actuator Self-Reaction Loading System
MAR 22 4pm - Maryland Hall 110	Oh-Sung Kwon, PhD Candidate	University of Illinois at Urbana- Champaign	Multi-Platform Hybrid Simulation Framework and its Application to Soil- Structure Interacting System
MAR 27	Zhengyu Zhang, PhD Candidate	University of Illinois at Urbana- Champaign	TBA
APR 3	Huaning Zhu, Ph.D. Postdoctoral Researcher	National Institute of Standards and Technology (NIST)	
APRIL 10	Zhang Chuhan	Department of Hydraulic Engineering Tsinghua University, Beijing, China	Challenges of High Dam Construction to Computational Mechanics
APRIL 17			
APRIL 24			

Fall 2006

Date	Speaker	Affiliation	Title
September 12	TBA		
September 19	Stephen E. Stich	Research Services Library for Science & Engineering	"Navigating the Library's Resources for Civil Engineering"
September 26	TBA		
October 3	TBA		
October 10	Monica Snow	University of New Brunswick	"Fracture Characteristics of Laminated Strand Lumber Bolted Connections"
October 17	TBA		
October 24	TBA		
October 31	Marc Donohue	Johns Hopkins University	
November 7	Amanda Clontz		"Sustainable Construction Management and the Bank of America Tower @ One Bryant Park"
November 16	Asghar Bhatti, Ph.D.		
November 21	Bob Knight	RTKL Associates	
November 27	James M. Thompson, Ph.D.	Ohio University	How Much Difference Does It Make? <i>NOTE: SPECIAL LOCATION: SHAFFER 3</i>
	<i>NOTE - SPECIAL SEMINAR DATE</i>		
November 28	Frank Lombardo, Ph.D. Candidate	Civil Engineering at Texas Tech University	Extraction and analysis of wind data from archived ASOS weather reports and discussion of other wind related projects

Spring 2006

Date	Speaker	Affiliation	Title
March 7	no seminar		
March 14	Eli B. Gottlieb, PE	Thornton Tomasetti Group	Redeveloping Times Square - A Story of 4 Towers
March 21	Spring Break, No Seminar		
March 28	Dr. Terrance McDonagh	Tishman Construction Corp	State-of-the-Art High Rise Construction in Manhattan
April 4	FE Advisory Committee Mtg, No Seminar		
April 11	Carroll Lecture this week, No Seminar		
April 12	Leslie E. Robertson, P.E., S.E.	First Class Architect/Engineer, Japan Chartered Structural Engineer, United Kingdom	2006 Spring Lecture of the Richard J. Carroll Memorial Lectureship
April 18	Dr. Paul Gauvreau	University of Toronto	
April 25	Kirk Martini	School of Architecture, University of Virginia	

Fall 2005

Date	Speaker	Affiliation	Title
September 13	No Seminar this week.		
September 20	Liz Mengel	MSE Library	Unlocking the Secrets of the JHU Libraries
September 27	Adrienne Via	Turner Construction	Overview of Construction Management
October 4	Matthew Begley	University of Virginia	Chemo-Mechanical Interactions Between Adsorbed Molecules and Thin Elastic Films
October 11	Jennifer Righman	University of Delaware	Moment Redistribution for Design and Rating of Steel I-Girder Bridges
October 18	Tihomir Hristov	Johns Hopkins University	Wind, surface waves and radar signals over the ocean: some new engineering aspects of air-sea interaction
October 25	Cancelled		
November 3 (Note: This is a Thursday)	Paul Kelley	Simpson Gumpertz & Heger Inc.	Structural Failure Investigations
November 8	Jamie Guest	Johns Hopkins University	Structural Topology Optimization
November 15			
November 22	Arash Yavari	Georgia Tech	Anharmonic Lattice Statics Analysis of Defective Crystals
November 29	Chris Earls	University of Pittsburgh	A New Direction in Structural Condition Assessment and Non-destructive Evaluation
December 6	Robert Dalrymple	Johns Hopkins University	The Drowning of New Orleans, 2005

Spring 2005

Date	Speaker	Affiliation	Title
Feb 1			ASCE Organization
Feb 15	Jeff Cippola	Prof. Robert (Tony) Dalrymple	The Sumatra Tsunami in Thailand
Feb 22		ASCE	ASCE Conference Planning
March 4	Professor Andrew Smyth	Columbia University	Structural Health Monitoring
March 22	Hugh Ellis	Dept. of Civil Engineering, Chairman	A Tuesday Twofer
March 29	Delong Zuo	Thesis Defense; JHU - Graduate Student, Advisor: Nicholas P. Jones	Understanding Wind and Rain Induced Stay Cable Vibrations
March 30	Prof. Sharif Rahman	University of Iowa	New Dimension-Reduction Methods for Computational, Stochastic Mechanics
April 4	Suren Chen, Ph.D.	Louisiana State University	Dynamic performance of bridges and vehicles under wind
April 5	Deborah Goodings	University of MD	Two New Initiatives at the University of MD
April 8	Lijuan (Dawn) Cheng	University of California, San Diego	Analytical and Experimental Investigation of a Free FRP-Concrete Slab-on Girder Modular Bridge System
April 13	Dr. Zdenek Bažant	Northwestern University	Richard J. Carroll Memorial Lecture, Size Effect and Need for Reform of Reliability Concepts for Quasibrittle Structures
April 19	Hiroshi Katsuchi	Yokohama National University	Long-span bridge aerodynamics in Japan and Akashi Kaikyo Bridge
May 6	Jannette Frandsen, Ph.D	Louisiana State University	Fluid-Structure Interactions
May 8	James (Jamie) Guest, Ph.D.	Princeton University	Design of Structures and Materials using Topology Optimization
May 12	Jeffrey Scruggs	California Institute of Technology	Structural Control Using Regenerative Force Actuation Networks

Fall 2004

Date	Speaker	Affiliation	Title
September 7	Wilkins Aquino	Cornell	TBD
September 14	Jeff Cippola	ABAQUS, Inc.	TBD
September 21	Maria Garlock	Princeton	TBD
September 28	Somnath Ghosh	OSU	Multi-Level Computational Models For Multiple Scale Analysis of Composite Materials (more)
October 5	George Voyiadjis	LSU	Nonlocal Model with Bridging of Length Scales for Impact Damage in Materials (more)
October 12	Majid Manzari	GWU	A Unified Approach to Deformation and Failure Analysis (more)
October 19	Eduardo Kausel	M.I.T.	TBD
October 26	Bill Curtin	Brown	TBD
November 2	TBD	TBD	TBD
November 9	Alan Kushner	NTSB	TBD
November 16	C.C. Mei	M.I.T	Localization of water waves scattered by a randomly rough seabed (more)
November 23	TBD		TBD
November 30	TBD		TBD
December 7	Tony Ingraffea	Cornell	TBD

Spring 2004

Date	Title	Speaker / Affiliation
January 27	TBD	TBD
February 3	TBD	TBD
February 10	"Fatigue and Fracture in Steel Bridges"	Dr. Ed Zhou, Ph.D., P.E. Project Manager/Sr. Structural Engineer, URS Corporation/Hunt Valley
February 17	"Rip Currents - Can We Predict Them?"	Robert A. Dalrymple, Ph.D., P.E. Hackerman Professor and Chairman Department of Civil Engineering, JHU
February 24	The Rehabilitation of Loch Raven Dam	Michael Jubran & Dave Smyth, P.E. Gannett Fleming Engineers & Planners
March 2	"Forensics on Concrete Structures"	Ms. Vicki Stewart MD State Highway Administration
March 9	"Developments in Deep Foundation Practice - The Last Quarter Century"	Mr. Jerry DiMaggio Principal Geotechnical Engineer, Federal Highway Administration
March 16	None -- Spring Break Week	
March 23	Theoretical & Applied Mechanics	Dr. Florin Bobaru University of Nebraska - Lincoln
March 30	Taking the Easy Way Out: Perturbation Methods Applied to Wave / Wave and Wave / Structure Interactions	Dr. David Hill Dept. of Civil & Environmental Engineering Pennsylvania State University
April 6	"The Great Baltimore Fire"	Mr. Charles Duff Jubilee Baltimore
April 13	Preservation through Documentation: Covered Wooden Bridges	Rachael Sangree & Tim Ruth JHU - CE
April 20	Statistical Energy Analysis – A Tool for Building Design	Dr. Richard H. Lyon, RH Lyon Corp, Cambridge MA
April 27	Steps Toward a Better Understanding of the Buckling Modes of Thin-walled Beam-columns	Dr. Sandor Adany JHU - CE

Fall 2003

Date	Title	Speaker
September 9	NO SEMINAR	
September 16	Research	Civil Engineering Faculty
September 23	Research	Civil Engineering Faculty
September 30	Overview of Engineering Information Resources for Civil Engineering Juniors, Seniors, and New Graduate Students	Elizabeth Mengel, MSE Library
October 7	NO SEMINAR	
October 14	Modeling of Natural Catastrophes for use in the Insurance and Reinsurance Sectors	Federico Waisman
October 21	NO SEMINAR	
October 28	Green Design and Durability	Peter Nobile
November 10	Mathematical Modeling of Tsunami Propagation and Its Coastal Effects	Philip Liu, Cornell
November 11	Failure Analysis, The Boston Hancock Tower	Thomas A. Schwartz
November 19	Traditions in Dam Design: Massive and Structural	Donald Jackson
November 25	None—Thanksgiving week	
December 2	Measuring the Life-Cycle Environmental and Economic Performance of Products: The BEES Approach	Barbara C. Lippiatt

Spring 2003

Date	Title	Speaker / Affiliation
January 28	NO SEMINAR	NO SEMINAR
February 4	Developing Nonlinear Models of Aeroelastic Behavior	Dean Mook, Air Force Office of Scientific Research
February 11	Urban Excavation Support	J. Andrew Steele, Steele Foundations, Inc.
February 18	CANCELLED	CANCELLED
February 25	Image Analysis Applications in Geoenvironmental Engineering	Ahmet Aydilek, University of Maryland
March 4	Mechanism of damage to a pile-foundation structure on coastal ground due to liquefaction	Shinichiro Mori, Ehime University
March 11	None--Spring Break Week	
March 18	Shocks, Gridlock and Rips	Benedict Rogers, Johns Hopkins University
March 25	Prediction and Performance of Supported Excavations	Richard Finno, Northwestern University
April 1	Numerical Simulation of Reinforced Wall with Cohesive Backfill and Polymeric Inclusions	Victor Kaliakin, University of Delaware
April 9 WEDNESDAY	The Richard J. Carroll Memorial Lectureship	Theodore V. Galambos, University of Minnesota
April 15	The Pentagon - September 11th, 2001 FEMA's Urban Search and Rescue Mission	Leo Titus, Jr., Engineering Consulting Services, Ltd.
April 22	Career Development of a Structural Engineer	Kirk Mettam, Robert Silman Associates, P.C.
April 29	An Expert System for Predicting Mine Burial	Alan Brandt, Johns Hopkins Applied Physics Laboratory

Fall 2002

Date	Title	Speaker / Affiliation
September 10	NO SEMINAR	NO SEMINAR
September 17	Research	Civil Engineering Faculty
September 24	Research	Civil Engineering Faculty
October 1	A 3D Look at the Fracture Mechanics of Heterogeneous Materials	Eric Landis, University of Maine
October 8	Cancelled	
October 15	Overview of Engineering Information Resources, with a Focus on Electronic Access	Elizabeth Mengel, MSE Library
October 22	Planning, Investigation, and Design for Historic Building Restoration Projects	Niklas Vigener, Simpson, Gumpertz and Heger, Inc.
November 5	Wind Research for a New Generation of Standards	Emil Simiu, National Institute of Standards and Technology
November 12	Engineering Heritage and the Civil Engineering Profession	Eric Delony, National Park Service
November 19	Micromechanical Mapping of Biomaterials and Living Cells	Denis Wirtz, Johns Hopkins University
November 26	None—Thanksgiving week	
December 3	A New Framework for Sediment Management at Coastal Inlets	Robert G. Dean, University of Florida

Spring 2002

Date	Title	Speaker / Affiliation
January 29	Vortex-Excited Vibrations - A Brief Overview	Sathish Balasubramanian, Band, Lavis & Associates
February 5	The Raising of the Ehime Maru	Patrick Hudson, Johns Hopkins Applied Physics Laboratory
February 13 WEDNESDAY	The Richard J. Carroll Memorial Lectureship	William Gene Corley, Construction Technology Laboratories, Inc.
February 19	Toward a Theory of Engineering Design	George Hazelrigg, National Science Foundation
February 26	Accelerated Deterioration of Structural Piles at Waterfront Facilities	Philip Vitale, Naval Facility Engineering Systems Command
March 5	Modeling Kinematic Hardening in a Dispersion Strengthened Aluminum Alloy Using a Stochastic Cellular Automaton	Sarah Baxter, University of South Carolina
March 12	The Role of Project Engineers	Richard Akers, Kiewit Constructors, Inc.
March 19	None--Spring Break Week	
March 26	ACI Technology Seminar on High Performance Concrete	Rod Meyers, Master Builders Technologies
April 2	Ground Improvement by Stone Columns for Power Plant Projects: Selection, Design, Testing, Installation and Settlement Performance	José L.M. Clemente, Bechtel Corporation
April 9	Understanding Failure: Numerical Simulations of Dynamic Crack Propagation	Jean-Francois Molinari, Johns Hopkins University
April 16	Cyclic Demand under Seismic Shaking	Praveen Malhotra, Factory Mutual Research
April 23	Probabilistic Modeling of Transitional Flows	Meelan Choudhari, NASA Langley Research Center
April 30	CANCELLED	

Fall 2001

Date	Title	Speaker / Affiliation
September 11	Research	Cancelled
September 18	Research	Civil Engineering Faculty
September 25	Research	Civil Engineering Faculty
October 2	Engineering Information Resources with a Focus on Electronic Access	Elizabeth L. Mengel, Resources Services Librarian, MSE Library
October 9	A Microscopic Study of Ice Formation and Propagation in Concrete	David Corr, Johns Hopkins University
October 16	Construction Engineering: From Concept to Reality	Frank Palmer, Whiting Turner Contractors
October 23	The Structural Mechanics Research Program at the Air Force Office of Scientific Research	Daniel Segalman, Air Force Office of Scientific Research
October 30	The Structural Mechanics Research Program at the Air Force Office of Scientific Research	Daniel Segalman, Air Force Office of Scientific Research
November 6	The Effects of Depositional Method and Silt Content on the Undrained Behavior and Microstructure of Sands	Jerry A. Yamamuro, University of Delaware
November 13	Wind-induced oscillation of long-span suspension bridges	Luca Caracoglia, Johns Hopkins University
November 20	None—Thanksgiving week	
November 27	Probabilistic Robustness Analysis	Steve Wojtkiewicz, Sandia National Laboratory
December 4	Balancing Bridge Maintenance, Preservation and Replacement: BMS Decision Support	Edgar Small, Catholic University of America

Spring 2001

Date	Title	Speaker / Affiliation
January 30	The Structure of Gusts in the Atmospheric Boundary Layer	Taiichi Hayashi, Kyoto University
February 6	Proper Storm Drain Design and Installation	Ann Couwenhoven, CSR
February 13	Introduction to Construction Management	Lisa Decker, Whiting Turner Contractors
February 20	A Numerical Analysis of an Ocean Wave-Energy Conversion System	David Kraemer, Johns Hopkins University
February 27	Adaptive Structural Identification of Nonlinear Systems for Damage Detection and Robust Control	Andrew Smyth, Columbia University
March 6	Case Studies in Structural Failures	Jeffrey Garrett, Exponent
March 14 WEDNESDAY	The Richard J. Carroll Memorial Lectureship Ultra High Performance Concrete	Surendra P. Shah, Northwestern University
March 20	None--Spring Break Week	TBA
March 27	NO SEMINAR	
April 3	Micro-Macro Modeling, Computational Testing and Design of Advanced Materials	Tarek I. Zohdi, University of Hanover
April 10	Mechanics of Fibrous Composites: "It isn't all obvious"	Carl Herakovich, University of Virginia
April 17	Civil Infrastructure Life-Cycle Costing: New Perspectives for an Old Tool	Miriam Heller, National Science Foundation
April 24	A Crash Course in Airport Design, From Putting Thoughts on Paper to Cutting the Ribbon	Charles Trice, URS Corporation
May 1	Constructing a Philosophy of Engineering	Priyan Dias, Carnegie Mellon University

Fall 2000

Date	Title	Speaker / Affiliation
September 12	Overview of Clark Hall Construction Project	Kelli Cutler, Clark Construction Group
September 19	Engineering Information Resources	Pat Lovett, Resources Services Librarian, MSEL
September 26	Research	Civil Engineering Faculty
October 3	Research	Civil Engineering Faculty
October 10	Hierarchical Ignorance Categories and Uncertainty Types in Engineering Systems	Bilal M. Ayyub, University of Maryland
October 17	Dynamic Soil-Structure Interaction: Deterministic and Stochastic Modeling	Didier Clouteau, Ecole Centrale de Paris
October 24	High Performance Concrete	Henry B. Prenger, Blue Circle Cement
October 31	Case Studies of Several Structural Failures Attributed to Secondary Stresses	Richard Magnani, Whitney, Bailey, Cox & Magnani
November 7	Urban Landmark Bridges for the 21st Century	Fred Gottemoeller, Rosales Gottemoeller & Associates
November 14	Coupled-Mode Vibration of Hydraulic Gates	Charles W. Knisely, Bucknell University
November 21	None—Thanksgiving week	
November 28	Cancelled	
December 5	Soil Reinforcement: Mechanically Stabilized Earth Walls and Reinforced Soil Slopes	Jerry DiMaggio, Federal Highway Administration

Spring 2000

Date	Title	Speaker
February 1	Analysis of Existing Postensioned Concrete Containment	Sanj Malushte
February 8	I-15, The Mother of All Design-Builds	Joel Oppenheimer, <i>Sverdrup Civil, Inc.</i>
February 15	Nondestructive Determination of Concrete Strength in situ	J. Popovics
February 22	What Have We Done for Natural Disasters Lately? A Fresh Look	Tim Cohn, <i>U.S. Geological Survey</i>
February 29	Advanced Analysis of Steel Frames	R. Ziemian
March 7	Drought Management and Urban Water Supply	John Boland, <i>Professor, Johns Hopkins University</i>
March 14	High-Performance Steel Bridge Girders with Corrugated Webs	M. Elgaaly
March 28	New Developments in the Seismic Design and Retrofitting	Ian Friedland, <i>Applied Technology Council</i>
April 4	TBA	TBA
April 11	Rehabilitation of New York City Bridges	C. Crawford
April 18	Mid-Frequency Structural Dynamics and Acoustics	C. Soize
April 25	New Advances in Ground Improvement Techniques	J. Wheeler

Fall 1999

Date	Title	Speaker / Affiliation
September 14	Research	CE Faculty
September 21	Research	CE Faculty
September 28	Resources at MSE Library	Pat Lovett, <i>MSEL Librarian</i>
October 5	Coastal Engineering	R.A. Dalrymple, <i>University of Delaware</i>
October 12	Bridge management processes	Edgar Small, <i>FHWA</i>
October 19	Flood hazard mitigation	C. Oliver, <i>FEMA</i>
October 26	Woodrow Wilson bridge project	R. Healy, <i>SHA, MD</i>
November 2	Construction management	D. Mongan, <i>Whitney-Bailey</i>
November 9	Risk analysis of earth dams	G. Baecher, <i>Univ. Maryland</i>
November 16	Hurricane storm surge prediction	W. Shaffer, <i>NOAA</i>
November 23	None—Thanksgiving week	
November 30	Bridge field testing program	Jeffrey Laman, <i>Penn St. Univ.</i>

Spring 1999

Date	Title	Speaker / Affiliation
February 2	Federal Highway Administration's High Performance Concrete Initiative: Bridges	Terry Halkyard <i>Federal Highway Administration</i>
February 23	Maryland's Statewide Bridge Inspection Program	Joseph R. Miller <i>Maryland State Highway Administration</i>
March 2	Grouting for Infrastructure Rehabilitation	Michael J. Byle, <i>Gannett Fleming, Inc.</i>
March 23	Nondestructive Evaluation of Bridge Conditions	Lou Triandafilou, <i>FHWA/Eastern Resource Center</i>
March 30	Electrochemical Technologies for Contaminant Cleanup	Sibel Pamukcu, <i>Lehigh University</i>
April 6	Use of Carbon Fibers in Structural Rehabilitation	Peter Emmons, <i>President, Structural Preservation</i>
April 13	Geotechnical Engineering Design, Construction, and Behavior Issues	Chris Dumas, <i>FHWA/Eastern Resource Center</i>
April 20	Numerical Simulations of Flow Around Bluff Body	Dr. Sakamoto, <i>Taisei Corporation, Japan (Visiting Scholar, JHU)</i>