ESD NEWS

A special event on October 13th celebrated the 20th anniversary of the East Japan Railway Company Professorship at MIT—which is held by ESD Interim Director Professor Joseph Sussman. The event included remarks from Prof. Sussman, JR East Executive Vice President Masaki Ogata, and Professor Claude Canizares (Vice President for Research and Associate Provost, MIT). Read more and view photos on the ESD website and MIT website.

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Yesterday and today MIT hosted a workshop on STEM education entitled, "STEM: What Works, What's Broken, How Do We Fix It?". Workshop participants included STEM experts, teachers, and policy makers from around the country. Richard Larson provided attendees with an initial overview of the workshop and chaired two of the panels. A reception at the MIT Museum included a BLOSSOMS demo. The MIT Administration was represented at the workshop by Dean of Undergraduates, Dan Hastings, and Dean of the School of Engineering, Ian Waitz. More details will be available next week.

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Reminder: The Brunel Lecture on Complex Systems will be on November 1, 2011 in Bartos Theater at 4-5:30pm. The speaker will be Richard K. Miller, President of the Franklin W. Olin College of Engineering. He will present the talk, "From the Ground Up: A Comprehensive Systems Approach to the Redesign of Engineering Education." Olin College was established with a very large gift from the F.W. Olin Foundation in 1997 for the specific purpose of creating a new paradigm for engineering education. It is one answer to the question: how could you address the educational imperatives of the 21st century within a four-year undergraduate engineering program if you could literally start over—from the ground up? This talk will outline the motivations, inquiries and research, methods used, and results of building an independent college tuned to this particular task. In addition, some of the challenges involved in managing a project of this magnitude will also be shared. Reception in the Lower Atrium from 3-4pm.

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AgeLab Director Joseph Coughlin was invited to present testimony today before the New York City Council. His remarks focused on the potential of applying a systems approach to healthy aging – integrating information communications technology, insights in human behavior, and innovations in the delivery of public-private services to meet the needs of a new generation of older adults and their caregivers. Read more (and access a PDF of the testimony) here.

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Read the latest news from MIT Portugal in the online newsletter here.
IN THE MEDIA

Yossi Sheffi awarded Salzberg Medallion from Syracuse University
“Sheeti, C&S Wholesale win prestigious Salzberg Medallions”
DC Velocity – October 27, 2011

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MIT News five-part “Power Up” series on energy this week
Part One: “What can make a dent?” (Ernest Moniz quoted)
October 24, 2011

Part Two: “Where the wind blows?”
October 25, 2011

Part Three: “Shining brighty” (Ernest Moniz quoted)
October 26, 2011

Part Four: “Harnessing the Earth, the atom and the leaf”
October 27, 2011

Part Five: “Conserve, conserve, conserve” (John Sterman quoted)
October 28, 2011

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John Sterman talks about the growing disconnect between the science of climate change and public perception of it
“How to get the message across on climate change”
MIT News - October 27, 2011

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Edward Crawley recently named president of Skolkovo Institute of Science and Technology
“Skolkovo Foundation and MIT to collaborate on developing the Skolkovo Institute of Science and Technology”
MIT News – October 26, 2011

Selected coverage includes:
“MIT Signs Historic Deal With New Russian Technology Hub”
WGBH – October 27, 2011

“MIT Will Help Develop a New Graduate Research University Near Moscow”
The Chronicle of Higher Education – October 26, 2011

“Conversation with Edward Crawley and Susan Hockfield” (transcript)
Russian Presidential website – October 26, 2011

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Jim Rice briefly quoted in piece about a radioactive cargo container that was found in Genoa in 2010 and more general issues about supply-chain security
“Why Is This Cargo Container Emitting So Much Radiation?”
Wired – October 21, 2011

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AgeLab's AGNES suit featured in US News & World Report

“High-Tech Suit Lets You Know What It's Like to Be Old”

Also, Bryan Reimer of AgeLab quoted in AARP Bulletin article about smart cars:

“A Are Cars Getting Too Smart?”
AARP Bulletin - October 1, 2011

EVENTS

Monday, October 31, 2011
MIT Humanitarian Speaker Series: Dynamic Multi-Period Humanitarian Relief Routing Problem
Irina Dolinskaya, Northwestern University
Time: 12-1pm
Location: E62-650

Monday, October 31, 2011
SDM Systems Thinking Webinar
A Systems View of Enabling Enterprise Change
Time: 12-1pm
Mark Moran, SDM '09; Manager of Portfolio Management and Marketing Operations, Enterprise Advanced Marketing Group, John Deere

Monday, October 31, 2011
FYI-MIT Political Science Distinguished Speaker Series
Ted Strickland, former Governor of Ohio will speak on "Rebuilding Manufacturing: A Governor's View from the Center of the Country." This series is co-sponsored with a new Institute initiative: Production in the Innovation Economy (PIE).
Time: 4:00-5:30pm
Location: E14-633

Tuesday, November 1, 2011
ESD Faculty Lunch
Oli de Weck will be giving an update on CESUN and plans for the 3rd International Symposium on Engineering Systems at TU Delft in June 2012.
Time: 12-1pm
Location: E40-298

Tuesday, November 1, 2011
Brunel Lecture on Complex Systems
"From the Ground Up: A Comprehensive Systems Approach to the Redesign of Engineering Education"
Richard K. Miller, President of the Franklin W. Olin College of Engineering
Time: 4:00-5:30pm
Location: E15, Bartos Theater
Reception in the Lower Atrium from 3-4pm.

Wednesday, November 2, 2011
New England Complex Systems Institute (NECSI) Open House
Time: 12-3pm
Location: NECSI Office, 238 Main Street Suite 319
Connect with students, postdoctoral fellows, faculty, professionals, and others from various disciplines, sharing an interest in complex systems. Learn about our research, and collaboration opportunities. Refreshments will be served. All are welcome.
**Wednesday, November 2, 2011**
“Qualitative Research On Customer Value in Product Development” – Philipp Maryl
Time: 4:15-5:30pm
Location: E38-615

**Friday, November 4, 2011**
NECSI and ESD Seminar Series
Cesar Hidalgo: “Economic Complexity and the Wealth of Nations”
Time: 12:30-2pm
Location: 1-190

See the ESD online [calendar](#) for additional event listings.

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