ESD Digest
April 4, 2013

ESD NEWS

Reminder: The Charles L. Miller Lecture will be on Monday, April 22 in the MIT Faculty Club, Dining Room 5. Lawrence Bacow, President Emeritus of Tufts and former MIT Chancellor, will present the talk, “The Future of the Research University in a Digital Age.” You can read a recent Q&A with Dr. Bacow on the Slice of MIT alumni blog. This is an important and timely topic, and the Institute-wide Task Force on the Future of MIT Education recently held its opening session. All are encouraged to share thoughts on the future of MIT education via the Task Force website and Idea Bank.

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The ESS alumni committee is planning a special virtual/live event on Friday, April 19th. Daniel Livengood, the inaugural recipient of the Daniel and Eva Roos Engineering Systems Dissertation Prize, will present an overview of his dissertation research, titled “The Energy Box,” an always-on background processor for automating home or small business energy usage. There will also be a live broadcast of the seminar via WebEx. For more details and to register (please do so by April 7th), click here. (WebEx registration details will be provided as needed.) Contacts: Paul Grogan - ptgrogan@mit.edu and John Helferich - helferic@mit.edu.

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A paper by Richard Larson and Anna Teytelman (ORC PhD student) has been selected by the ISPOR Awards Committee as the recipient of the 2013 ISPOR Value in Health Paper of the Year Award. The paper is: “Modeling the Effects of H1N1 Influenza Vaccine Distribution in the United States” (Value Health 2012;15:158-66).

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David Simchi-Levi will be a speaker in a forum on “America’s New Manufacturing” at The Washington Post on April 23. View details here.

IN THE MEDIA

Yossi Sheffi quoted in The Wall Street Journal about the boom in freight railroads “Boom Times on the Tracks: Rail Capacity, Spending Soar”
The Wall Street Journal – March 26, 2013

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New research by MIT AgeLab and The Hartford shows ways exercise might help older drivers “Helping older drivers stay safe behind the wheel”
NBC Nightly News – April 1, 2013
A related web-only video: “Exercise is another tool to help keep you safe on the road”

“New Research By The Hartford And MIT AgeLab Shows Positive Effects Of Exercise On Mature Drivers”
Business Week – April 4, 2013

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Michael Cusumano considers the economic implications as educational institutions expand online learning
“Are the Costs of ‘Free’ Too High in Online Education?”
Communications of the ACM – April 2013

“Beware of the High Cost of ‘Free’ Online Courses”

“Is the Internet Sending Higher Education the Way of the Newspaper Industry?”
Boston Magazine - Online – March 27, 2013

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Research of Jessika Trancik covered in Forbes article
“Moore’s Law vs. Wright’s Law”
Forbes – March 25, 2013

EVENTS

Friday, April 5, 2013
CTL Distinguished Speaker Series
Transport for London’s Experience Organizing Public Transportation for the 2012 Olympic Games
Leon Daniels: Managing Director, Surface Transport - Transport for London
Time: 12:00pm-2:00pm
Location: W20-306

Monday, April 8, 2013
Dissertation Defense of John P. Thomas IV
"Extending and Automating a Systems-Theoretic Hazard Analysis for Requirements Generation and Analysis"
Committee: N. Leveson (chair), J. Sussman, J. Carroll
Time: 9:00am–10:30am
Location: E40-298

Monday, April 8, 2013
SDM Systems Thinking Webinar Series: Understanding and Designing Complex Sociotechnical Systems
Professor Joseph Sussman, JR East Professor of Civil and Environmental Engineering and Engineering Systems at MIT
Time: 12pm–1pm
Read news item [here](#)

Tuesday, April 9, 2013
ESD Faculty Lunch
John Brissone: opportunities with the MIT-SUTD Collaboration
Time: 12pm-1pm
Location: E40-298
Wednesday, April 10, 2013
ESS Doctoral Seminar Series
Maite Peña-Alcaraz: Capacity pricing and allocation in shared railway corridors
Time: 12pm–1pm
Location: E40-298

Wednesday, April 10, 2013
SSRC Conversations on Complexity: Architecting the Future Telebehavioral Health System of Care in the US Army
Time: 4:15pm–5:30pm
Location: E38-615
Andrea Ippolito will present her master's thesis work, which investigated the role of technology as a force extender to improve access and timeliness of care to psychological health care services in the Army. This research applied a systems approach to evaluating the current state of telehealth within the Military Health System. By examining the enterprise through the lenses of strategy, policy, organization, services, processes, infrastructure, and knowledge to analyze the current state of telebehavioral health, she proposed a future state architecture for telehealth delivery.

Wednesday, April 10, 2013
SDM Information Evening
Time: 6pm–9pm
Location: MIT Faculty Club
Please join us at the MIT Faculty Club for an Information Evening on the System Design and Management (SDM) program. You will have the opportunity to learn about MIT’s Master of Science in Engineering and Management, discuss career opportunities, and network with SDM alumni, faculty, students, and staff.

Thursday, April 11, 2013
Global Technology & Policy Research Seminar
Management of Energy Technology for Sustainability: Funding Energy Technology R&D
Prof. Erin D. Baker, Mechanical & Industrial Engineering, UMass
Time: 3:00pm-4:30pm
Location: E40-298

Thursday, April 11, 2013
CTL Global Leadership Lecture Series: An American Jobs and Growth Agenda to Revitalize Our Economy
Time: 4pm–5pm
Location: E51-345
Tom Donahue, President and CEO, U.S. Chamber of Commerce
Description: In an era of economic and fiscal challenges, Donohue has aggressively advanced The American Jobs and Growth Agenda, a plan that includes expanding trade and domestic energy production, rebuilding America's infrastructure, combating an avalanche of new regulations, protecting intellectual property, revitalizing capital markets, and reforming entitlements and the tax system. This session will be followed by a Q&A.

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