ESD NEWS

John Thomas has successfully defended his dissertation. His dissertation title is "Extending and Automating a Systems-Theoretic Hazard Analysis for Requirements Generation and Analysis." (Committee: N. Leveson (chair), J. Sussman, J. Carroll)

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Professor Joseph Sussman’s April 8th SDM Systems Thinking Seminar, “Understanding and Designing Complex Sociotechnical Systems,” drew more than 360 registrants—the second highest number of registrants in the history of the series. The next SDM Systems Thinking Seminar (on April 22 at noon) will be “Flexibility in Engineering Design,” presented by Professor Richard de Neufville.

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Josef Oehmen and Eric Rebentisch, two research scientists with the Sociotechnical Systems Research Center, won the 2013 Shingo Research Award for their e-book The Guide to Lean Enablers for Managing Engineering Programs. The research was conducted in collaboration with PMI and INCOSE. The press release by the University of Utah, which administers the award, can be found here. The e-book can be downloaded here.

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Raja Systems has been selected as one of the 2013 MIT Clean Energy Prize semi-finalists. The project, which was proposed by a diverse team including MIT Portugal PhD candidate Claudio Vergara, addresses some of the most important issues in energy efficiency today: distributed generation and microgrids. Read more here.

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MIT has announced a five-year research collaboration with Accenture, a global management consulting, technology services and outsourcing company, to develop advanced analytics solutions. The Accenture and MIT Alliance in Business Analytics will be headed by Narendra Mulani, senior managing director, Accenture Analytics, and David Simchi-Levi, professor of civil and environmental engineering and engineering systems at MIT. Read more here: “MIT, Accenture plan analytics research” (Trade Arabia – April 8, 2013).

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Stephen M. Zoepf presented to the National Academy panel on CAFE regulations about his TPP thesis work on technology deployment.
IN THE MEDIA

Extensive ongoing coverage of Ernest Moniz as energy secretary nominee, including:
“Energy Nominee Moniz on Path for Approval”
Wall Street Journal – April 10, 2013

“Obama's energy, environment picks face Senate grilling this week”
Reuters – April 8, 2013

“Energy Dept. choice backs natural gas use”
Washington Post – April 9, 2013

“Three Obama Nominees Encounter No Opposition at Senate Confirmation Hearings”

Moniz backs natural gas 'revolution'
Associated Press – April 9, 2013

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Bryan Reimer quoted in New York Times article about driver workload management
“As Workload Overwhelms, Cars Are Set to Intervene”
The New York Times – April 5, 2013

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Research by Chris Caplice and Basak Kalkanci mentioned in article on ocean transportation
"Myths and Realities of Ocean Shipping" (p. 6)
Supply Chain Management Review – Mar/Apr 2013

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John Hansman quoted in article on study of smaller airports
“Imperiled Towers Fall in Safety for Low-Traffic Airports”
Bloomberg News – April 4, 2013

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Missy Cummings quoted in Boston Globe article on drone manufacturers
“Drone manufacturers struggle for acceptance”
The Boston Globe – April 7, 2013

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Sandy Pentland mentioned in piece on data science
“The Potential and the Risks of Data Science”
The New York Times – Bits blog – April 7, 2013

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Research of Thomas Allen mentioned in article on engineering workplaces to maximize innovation
“Engineering Serendipity”
The New York Times – April 7, 2013

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Thomas Kochan quoted in NPR story about sanitation workers in Memphis
“Decades After MLK Death, Memphis Jobs In Spotlight”
NPR - Online – April 3, 2013

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Seth Lloyd quoted on quantum computers in article about Blackberry
“If Mike Lazaridis Can't Save Blackberry, He'll Try To Save Waterloo”
The Huffington Post – March 29, 2013

Also, Lloyd quoted in:
“Entangled photons beat noise through teamwork”
Nature – Online – April 5, 2013 (This article also ran with Scientific American)

EVENTS

Tuesday, April 16, 2013
ESD Faculty Lunch: informal discussion
Time: 12-1pm
Location: E40-298

Wednesday, April 17, 2013
ESS Doctoral Seminar Series
Abby Horn: Modeling Supply Chain System Structure to Trace Sources of Food Contamination
Time: 12:00-1:00pm
Location: E40-298

Wednesday, April 17, 2013
MIT CTL Advances in Supply Chain Management Webinar Series
Delivering Green: Three Case Studies in Carbon-Efficient Logistics
Time: 1:00-2:00pm
Register here

Wednesday, April 17, 2013
SSRC Distinguished Lecture Series: Designing Systems for a Complex World
Farm Animal Production in America
Bob Martin - Senior Policy Advisor, Johns Hopkins Center for a Livable Future
Time: 4:30-5:30pm (Reception 5:30-6:00pm)
Location: E25-111

Friday, April 19, 2013
ESD Special Seminar: The Energy Box
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. The Roos Prize recognizes a recent graduate of the ESD doctoral program “whose research the greatest contribution of original and generalizable scholarship to the engineering systems field of study.”
Time: 1:30pm–2:30pm
Location: E51-376 & online via WebEx

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