ESD NEWS

Judy Maro successfully defended her dissertation. The title of her dissertation is "Postmarket Sequential Database Surveillance of Medical Products." (Committee: D. Nightingale (co-chair), R. Welsch (co-chair), M. Webster, J. Brown)

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The Second STAMP Workshop will be on March 26-29, 2013. STAMP is an accident causality model based on systems theory and systems thinking described in Nancy Leveson's book Engineering a Safer World. The format for the second workshop will expand on the first, highly successful STAMP workshop (read MIT News coverage) and will offer: advanced tutorials, sharing among those in the same industry, presentations of experiences/lessons learned/challenges in using STPA/CAST, research papers, and perhaps some panels. (Unless there is expressed interest, there will not be another beginner's tutorial this time.) A detailed program will be available January 15. In the meantime, please find more information and registration here.

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This year's SDM Program Best Thesis Award was given to Jonathan Hickey, Commander of the US Coast Guard. His thesis (advised by Dr. Qi Van Eikema Hommes) applied the System Theoretic Process Analysis (STPA) to study a recent US Coast Guard helicopter training accident. He looked at both the technical design of the helicopter and the social aspect of the Coast Guard organization to identify systemic causes that had led to the sharp increase in the number of accidents occurring in the US Coast Guard. Comparing the STPA recommendations to the investigation report by the US Coast Guard Investigation board using traditional accident investigation method, the STPA approach identified more systemic and insightful causes. Jon's work is being presented to the Coast Guard.

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Edgar Blanco has been nominated for a VERGE 25 Award. The VERGE 25 awards recognize the visionary leaders from business, government, nonprofit and academic organizations making significant advancements toward the VERGE mission: the convergence of systems and technologies around energy, buildings and transportation. (Voting is open until 11:59pm on Nov, 7, 2012.) You can cast your vote here.

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FYI--The 3rd edition of the conference Complex Systems Design and Management will take place soon on December 12-14 in Paris. The conference features international keynote speakers coming from both industrial and academic fields. More details available here.

PUBLICATION

Research in Engineering Design - October 2012 - "Empirical evaluation of procedures to generate flexibility in engineering systems and improve lifecycle performance" Michel-Alexandre Cardin, Gwendolyn L. Kolfschoten, Daniel D. Frey, Richard de Neufville, Olivier L. de Weck, David M. Geltner
IN THE MEDIA

ESD social media presence highlighted in news item on new MITConnect website
“MIT’s New Social Media Dashboard Offers Up an Interactive Way to Explore the Institute”
BostInno – October 22, 2012

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CTL Research on Ocean Reliability Highlighted on Supply Chain Digest and Supply Chain TV
(CTL Postdoctoral Associate, Dr. Basak Kalcanci, was recently interviewed by
SCTV regarding research that she and Dr. Chris Caplice conducted on ocean transportation reliability.)
“Global Logistics News: MIT Research Puts Some Real Data Behind Ocean Shipping Variability”
Supply Chain Digest – October 23, 2012
“Research on Ocean Shipping Variability from MIT”
Supply Chain Television Channel – October 29, 2012
(Note: Dr. Kalcanci’s interview is from 3:24 to 10:00)

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David Simchi-Levi briefly quoted in article about Hurricane Sandy’s effect on U.S. manufacturers
and supply chains
“Industry Adapts Quickly to Storm”

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Richard Larson mentioned in article about why Americans wait in line
“Pumps and Polls: Why Americans Wait in Lines”
NPR Online – October 29, 2012

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Article on start-up by TPP alumni Matthew Pearlson and Adrian Rodriguez
“A Fashionable Comeback: The Company Bringing Bow Ties to Boston & Beyond”
BostInno – October 30, 2012

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Joe Coughlin interviewed by Money Magazine about planning for aging and retirement
“A 65-year-old woman can expect to live past 85. Aging expert Joseph Coughlin says she’ll need more
than a financial plan for that.”
Money Magazine – November 2012
(Hard copy only available; contact Stefanie Koperniak)

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Recent AgeLab coverage on technologies for safe driving
“He Read, She Read: The Right Typeface Can Get Your Eyes Back on the Road Quicker”
Forbes – October 30, 2012

“Researchers find 10 best technologies for older drivers”
Los Angeles Times – October 30, 2012

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EVENTS

Wednesday, November 7, 2012
MIT Center for Biomedical Innovation Research Seminar Series
“Preparing the US for Pandemics and National Health Security Events: A Drug Development Case Study in Public-Private Partnerships, Enterprise Building and Intrapreneurship”
Monique K. Mansoura, PhD, MBA; Novartis Vaccines & Diagnostics, Inc.; MIT Center for Biomedical Innovation; MIT Sloan Fellow (SF12)
Time: 3pm, refreshments at 2:45pm
Location: E25-401

Thursday, November 8, 2012
“Flexibility in Engineering Design: Oil Platforms as an Example”
Time: 6-7pm
Location: E51-151
Description: The Mining, Oil and Gas Club is honored to present Professor Richard de Neufville, who will give a lecture entitled “Flexibility in Engineering Design: Oil Platforms as an Example”. This event is organized by the MIT Mining, Oil and Gas Club and the System Design and Management Program. It is open to the whole MIT Community and everyone interested in the topic. Refreshments will be served.

Friday, November 9, 2012
CTL Distinguished Speaker Series
“Supply Chains: Where We’ve Been and Where We’re Going”
Tom Linton - Chief Procurement Officer, Flextronics
Time: 12-1pm
Location: 35-225

FYI - Wednesday, November 14, 2012
Third Annual Transportation Showcase
(Organized by the MIT Transportation Club)
Time: 6-9:30pm
Location: MIT Museum
Deadline for submission of posters: Friday, November 9

Wednesday, November 14, 2012
Time: 1-2pm
MIT Center for Transportation & Logistics presents the first webinar in the Advances in Supply Chain Management series, Rethinking Supply Chain Strategy in Complex Markets.
Dr. Roberto Perez-Franco, director of the SC2020 project, will explain the framework’s structured, actionable methodology. This event is a great opportunity to gain early access to new research on SCS that is due to be published next year. Register here.

Thursday, November 15, 2012
MIT’s Center for Biomedical Innovation’s 5th Annual Biomanufacturing (BioMAN) Summit
Location: MIT Faculty Club (E52-6th Floor)
Title: The Impact of Biosimilars and Biobetters on Biopharmaceutical Manufacturing
This is a day-long symposium and open to the MIT Community; Registration is required.

Friday, November 16, 2012
PhD Program Open House & Poster Session
Time: 9am–6pm (various locations)
Learn about the ESD PhD program at this day-long event, culminating in the ESD PhD Poster Session. Tentative agenda available here.

The ESD PhD Alumni Open House will also happen on this day, from noon-6pm. Details here.

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