ESD NEWS

ESD PhD Candidate Wen Feng presented a paper (coauthored with Professor Edward Crawley, Professor Olivier de Weck, Professor Donald Lessard, and Dr. Bruce Cameron) at the Strategic Management Society (SMS) 32nd Annual International Conference in Prague, Czech Republic, from October 6-9, 2012. Their paper, "Understanding the Impacts of Indirect Stakeholder Relationships—Stakeholder Value Network Analysis and Its Application to Large Engineering Projects," develops a multi-relational network approach to model the value exchanges between stakeholders, so that the strategic impacts of indirect stakeholder relationships as well as other important exchange/structural network properties can be better understood for the long-term success of large engineering projects. This paper has been nominated by the conference committee for both the SMS Best Conference Paper Prize (top 51 out of 1200) and the SMS Best Conference Paper Prize for Practice Implications (top 31 out of 1200).

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Professor Noelle Selin will be giving the keynote talk at the annual retreat (to be held this weekend) of the Program on Atmospheres, Oceans and Climate, which is in the MIT Department of Earth, Atmospheric and Planetary Sciences (EAPS). More information on the retreat is available here. The theme of the retreat this year is "Human fingerprints on the Earth System."

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Three high school biology teachers from the Washington, D.C. public school system have just completed two new online video lessons for the MIT BLOSSOMS program. Full details—including links to the videos—available here.

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Next Friday, the Second MIT Presidential Election Conference will examine the presidential electoral process. This event (also listed in the events section) is sponsored by the MIT Sociotechnical Systems Research Center and the MIT Center for Engineering Systems Fundamentals.

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This week marks the official launch of MIT Connect, a new website aiming to help individuals explore MIT's many departments, labs and centers via social networking sites. (This project was a collaboration between MIT Communication Production Services and the MIT News Office.) You can view ESD's "profile card," which shows/links to all of ESD's social media platforms, here. If you have any questions, please contact Stefanie Koperniak.
PUBLICATION

This paper was published in a special issue on design under uncertainty.

ESD IN THE MEDIA

Nancy Leveson speaks at SEC trading technology roundtable
"SEC Technology Roundtable: How To Test Your Software To Avoid Technical Glitches"
Wall Street & Technology - October 2, 2012
"What does a space expert know about markets? SEC reckons plenty"
Automated Trader - October 2, 2012

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Sandy Pentland quoted in article on apps that could be used in healthcare
“Apps Alert the Doctor When Trouble Looms”

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Profile of LGO student Jan Ma
“Destination known: Leaders for Global Operations student Jan Ma plans to explore the world, and make it better”
MIT News – October 10, 2012

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Article about LGO students' summer 2012 leadership unit
“Leadership class injects muppets, Star Wars into 'Antigone'”
MIT News – October 5, 2012

EVENTS

Monday, October 15, 2012
MIT SDM Systems Thinking Webinar Series: Strategies for Evolution and Sustenance of Network Ecosystem
Saujanya Shrivastava, SDM ’11 Senior Product Manager, Amazon
Time: 12-1pm

Monday, October 15, 2012
A Fireside Chat with Hamid R. Moghadam CE ’77: Global Supply Chains: The Role of Logistics Real Estate
Time: 5:30-6:45pm
Location: Building 32, Room 155
An informal fireside chat with MIT alumnus, Mr. Hamid Moghadam CE ’77, Chairman of the Board and Co-CEO of Prologis, Inc. Prologis is the leading global owner, operator and developer of industrial real estate, and provider of logistics infrastructure. William Wheaton, MIT Professor of Economics, will serve as moderator. There will be time for a brief Q&A.
Tuesday, October 16, 2012
ESD Faculty Lunch
Research presentations by: Soheil Sibdari, Stein Ove Erikstad, and Ignacio Perez-Arriaga
Time: noon-1pm
Location: E40-298

Wednesday, October 17, 2012
Dissertation defense of Bryan Palmintier
Time: 10-11am
Location: E40-298
Title: “Incorporating Operational Flexibility into Electric Generation Planning: Impacts and Methods for System Design and Policy Analysis”
Committee: M. Webster (chair), I. Perez-Arriaga, R. de Neufville, J. Kirtley Jr.

Wednesday, October 17, 2012
Dissertation defense of Blandine Antoine
Time: 12:15–1:15pm
Location: 33-116
Title: “Systems Theoretic Hazard Analysis (STPA) Applied to the Risk Review of Complex Systems: an example from the medical device industry”
Committee: N. Leveson (chair), O. de Weck, J. Sussman, C. Hilbes

Wednesday, October 17, 2012
MIT Center for Biomedical Innovation 2012 Research Seminar Series
"Is Knowledge Trapped Inside the Ivory Tower?: Technology Spawning and the Genesis of New Science-Based Inventions"
Michaël Bikard, MIT Sloan and Center for Biomedical Innovation
Time: 3-4pm (Refreshments at 2:45)
Location: E25-401

Friday, October 19, 2012
The Second MIT Presidential Election Conference: Does the Current Presidential Election System Serve America Well?
(Sponsored by SSRC and CESF)
Location: Bartos Theater
This is a day-long symposium; view program here.

Friday, October 19, 2012
CTL Distinguished Speaker Series
"The Future of the Global Airline Industry"
Sadiq Gillani Senior Vice-President, Corporate Strategy, Lufthansa Group
(co-promoted with the Transportation Club)
Time: 12-1pm (lunch available shortly before noon)
Location: 32-124
This interactive session will address key trends emerging in the airline industry over the next decade, including winners and losers as well as major challenges and opportunities.

FYI--Friday, October 19, 2012
MIT Energy Night
Time: 5-8:30pm
Location: MIT Museum
The MIT Energy Night showcases energy research, initiatives, and entrepreneurship at MIT. It is a large-scale poster session and is free and open to the public. Presenters are MIT graduate students, postdocs and MIT-affiliated start-ups. In past years, MIT students, MIT faculty, energy professionals, technology investors, and local and national press have attended the event.

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