ESE Digest
April 22, 2011

ESD NEWS

Congratulations to Professor Daniel Roos on the well-attended Miller Symposium given in his honor on April 20th in Bartos Theater. Stay tuned for videos of the symposium (to be available on TechTV soon), as well as an article about the event on the ESD and MIT websites.

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Zoe Szajnfarber has successfully defended her dissertation, "Innovation Pathways in Technology Intensive Government Organizations: Insights from NASA." (Chair: A. Weigel; Committee: E. Crawley, D. Hastings, J. Utterback)

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Qi Hommes has been awarded a research grant from the Ford MIT Alliance for the 2010-2011 academic year. The grant will be used to conduct research on quantifying the value of architecture flexibility for the hybrid vehicle battery hardware and software partitioning decisions. This grant was awarded in collaboration with Professor Richard de Neufville. TPP student Benyue Liu will be working on the project for her thesis.

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Arjun Gupta, TPP ’11, and teammate Priyanka Bakaya (Sloan ’11) recently participated in the Rice University Business Plan Competition, winning third place from Murphree Venture Partners and $2500 Best Energy Team from Energy Ventures totaling $24,100. They also won the $10,000 nCourage Entrepreneurs Investment Group. Their business, PK Clean, aims to convert plastic wastes to crude oil using a patented and 100% owned catalytic de-polymerization process. Read press release: http://www.alliance.rice.edu/alliance/NewsBot.asp?MODE=VIEW&ID=128.

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Reminder: On Saturday, April 30, MIT will open its doors to the public with the MIT150 Open House (which will also kick off the Cambridge Science Festival). There will be a wide array of activities for all ages throughout campus—including several from ESD. Read more at: http://esd.mit.edu/Headline/mit150_openhouse.html

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This summer, MIT Professional Education – Short Programs is offering a number of 2-5 day short courses taught by MIT faculty and experts, including several by members of the Engineering Systems Division. Read about these courses here: [http://esd.mit.edu/Headline/calendar/2011/shorts2011.html](http://esd.mit.edu/Headline/calendar/2011/shorts2011.html)

**IN THE MEDIA**

**Jarrod Goentzel quoted in article about logistics management salaries**
Logistics Management - April 7, 2011

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**Article explains lessons to be learned from a new book by Jonathan Byrnes, a senior lecturer at the MIT Center for Transportation & Logistics**
“Increasing profits without the pain”
National Post – April 19, 2011

**EVENTS**

**Monday, April 25, 2011**
MIT SDM Systems Thinking Webinar Series
“Using Quality by Design (QbD) and Systems Thinking in the Development, Commercialization and Life Cycle Management of Medicines and Vaccines”
Anando A. Chowdhury, Director, Organizational Strategy, Management & Operations, Global Science, Technology & Commercialization, Merck/MSD
Time: 12-1pm
Open to all

**Tuesday, April 26, 2011**
ESD Faculty Lunch
Noelle Selin: research presentation
Time: noon-1pm
Location: E40-298

**Tuesday-Wednesday, April 26-27, 2011**
Earth, Air, Ocean, and Space: The Future of Exploration (an MIT150 symposium)
[http://mit150.mit.edu/symposia/exploration](http://mit150.mit.edu/symposia/exploration)
This symposium will include a panel of 10 astronauts, nine of whom are MIT alums, including Apollo astronauts/moonwalkers Buzz Aldrin and Dave Scott. Dava Newman and David Mindell are among the faculty leads of the symposium.

**Wednesday, April 27, 2011**
LAI Research Seminar
“Underestimation in the ‘When It Gets Worse Before It Gets Better’ Phenomenon in Process Improvement” - presented by Braulio Fernandes
Time: 4:15-5:30pm
Location: E38-615
FYI-

Friday, April 29, 2011
MIT Anthropology Presents:
A talk by Ronen Shamir, Department of Sociology & Anthropology – Tel-Aviv University
Time: 3-5pm
Location: 16-220

Tuesday, May 3, 2011
ESD Faculty Lunch
Jessika Trancik – research presentation
Time: 12-1pm
Location: E40-298

Wednesday, May 4, 2011
ESD Distinguished Seminar Series
Speaker: Dr. Nicholas Christakis (Harvard University)
“Connected: The surprising power of social networks and how they shape our lives”
Time: 12-1:30pm
Location: E40-298
The ESD Student Society (ESS) presents the first talk as part of the ESD Distinguished Seminar Series. Seminars are open to ESD PhD students and faculty. RSVP at: https://spreadsheets.google.com/viewform?formkey=dHRlaml5x6UIJyMlFPejQyZkJlWY0RBNXc6MQ

Wednesday, May 4, 2011
Horace Crary Memorial Lectures: The Great Sendai Earthquake
(Sponsored by MIT Department of Civil & Environmental Engineering)
Location: 32-123
Professor Akira Wada, Tokyo Institute of Technology,
"Impact on the Built Environment" (3:00-4:00pm)
Professor David Simchi-Levi, MIT,
"Mitigating Supply Chain Disruptions" (4:30-5:30pm)
Refreshments will be served

Wednesday, May 4, 2011
LAI Research Seminar
Andrea Ippolito: Co-evolution of Process and Technology in the Provision of Behavioral Health Services
Time: 4:15-5:30pm
Location: E38-615

Saturday, April 30, 2011
Under the Dome (the MIT150 Open House)
http://mit150.mit.edu/open-house
Time: 11am-4pm
There will be a number of ESD-related activities: http://esd.mit.edu/Headline/mit150_openhouse.html

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