ESD Digest
October 14, 2011

ESD NEWS

On October 5th, David Hartzband, Lecturer in Engineering Systems, presented to the Bipartisan Steering Committee on Telehealth & Medical Informatics. The Steering Committee's meeting was sponsored by Kent Conrad (D-N.D.) and Mike Crapo (R-ID). Dr. Hartzband's topic was “Transforming Medical Informatics through the Use of Big Data in Healthcare.”

Save the Date – Upcoming Events:

The Brunel Lecture on Complex Systems will be on November 1, 2011 in Bartos Theater at 4-5:30pm. The speaker will be Richard K. Miller, President of the Franklin W. Olin College of Engineering. He will present the talk, "From the Ground Up: A Comprehensive Systems Approach to the Redesign of Engineering Education." Olin College was established with a very large gift from the F.W. Olin Foundation in 1997 for the specific purpose of creating a new paradigm for engineering education. It is one answer to the question: how could you address the educational imperatives of the 21st century within a four-year undergraduate engineering program if you could literally start over—from the ground up? This talk will outline the motivations, inquiries and research, methods used, and results of building an independent college tuned to this particular task. In addition, some of the challenges involved in managing a project of this magnitude will also be shared. Reception in the Lower Atrium from 3-4pm.

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Save the date: The 9th ESS Poster Session will be on November 21, 2011 at 5-7pm in E14-674 (in the new Media Lab building). Current ESD PhD students will share their research. Earlier that day will be the ESD PhD Program Open House for Prospective Students from noon-3pm at E40-298.

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The Center for Biomedical Innovation is hosting its 4th annual Biomanufacturing Summit on November 18, 2011 in Bartos Theater. The title of this year’s Summit is “Implementing Innovation in Biomanufacturing: The Hurdles and the Opportunities.” Read more here.

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The Third International Engineering Systems Symposium (co-sponsored by CESUN, ESD, and TU Delft) will be on June 18-20, 2012 at TU Delft. This three-day meeting will address the challenges of designing and governing engineering systems by providing state-of-the-art, integrated framing and modeling approaches that embrace the complexity of large-scale, engineering systems from both technical and socio-economic perspectives. The call for submissions is now open; deadline for abstracts is November 1st. Read more here.
IN THE MEDIA

Article on MIT BLOSSOMS (Blended Learning Open Source Science Or Math Studies)
“Redefining how we teach: MIT BLOSSOMS program shows students how math and science pertain to daily life”
MIT News – October 11, 2011

David Marks and Mort Webster mentioned in story about educational collaboration between energy, environment, and water programs at MIT and the Cyprus Institute
“MIT and Cyprus Institute expanding collaborative research, education”
MIT News – October 14, 2011

Michael Cusumano quoted in NPR piece about Steve Jobs
“After Jobs, Who Will Be Next American Visionary?”
National Public Radio – October 7, 2011

Sandy Pentland briefly quoted in New York Times article on an automated data collection system that will use a wide range of publicly accessible data
“Government Aims to Build a ‘Data Eye in the Sky’”

LGO mentioned in piece on manufacturing companies addressing the lack of skilled workers
“What’s Being Done to Address the Lack of Skilled Workers?”
The Huffington Post – Business Blog – October 11, 2011

EVENTS

Monday, October 17, 2011
SDM Systems Thinking Webinar Series
“Transforming the Industrial State: The Ultimate Complex System Challenge”
Nicholas Ashford
Time: 12-1pm

Tuesday, October 18, 2011
ESD Faculty Lunch
Dava Newman will provide a Technology and Policy Program update
Time: 12-1pm
Location: E40-298

Wednesday, October 19, 2011
NECSI and ESD Seminar Series
“The End of a Physics Worldview: Heraclitus and the Watershed of Life”
Stuart Kauffman
Time: 12:30-2:00pm
Location: 3-133
Wednesday, October 19, 2011
LAI Research Seminar
“The Impact of Individual-, Unit-, and Enterprise-Level Factors on Psychological Health Outcomes”
Judy Wang and Wiljeana Glover
Time: 4:15-5:30pm
Location: E38-615

Friday, October 21, 2011
CTL Distinguished Speaker Series
“Ports and Maritime Economics”
Prof. Hilde Meersman & Prof. Eddy van de Voorde, University of Antwerp
Time: 11am-12pm
Location: W20-407

Monday, October 24 – Tuesday, October 25, 2011
2011 MIT SDM Conference on Systems Thinking for Contemporary Challenges
Location: Wong Auditorium
The Massachusetts Institute of Technology’s annual Conference on Systems Thinking for Contemporary Challenges, sponsored by the System Design and Management Program, will focus on addressing complexity and innovation in healthcare, energy, sustainability, and education.
Read more.

Tuesday, October 25, 2011
ESD Faculty Lunch
Supply Chain and Management Program update
Time: noon-1pm
Location: E40-298

Wednesday, October 26, 2011
Siemens Booklet of Knowledge: Eric Rebentisch and Hugh McManus
Time: 4:15pm – 5:30pm
Location: E38-615

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