ESD NEWS

Munther Dahleh, professor and associate department head of electrical engineering and computer science, has been appointed acting director of the Engineering Systems Division, and director-designate of a potential new organization that would incorporate the people and programs of ESD, the Laboratory for Information and Decision Systems, a significant new initiative in statistics, and potentially other programs and entities. Read more on the MIT website and in The Tech.

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Maria Yang was recently elected to be an ASME fellow. ASME cited her “exceptional record as a mechanical engineer, researcher, and educator in the field of engineering design.” Read more on the MIT MechE website.

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ESD PhD candidate Sahar Hashmi, MD, presented her poster on "Innovative Integrated Systems Design of Diabetes Care and Management Model" at the recent Innovations in Health Care Conference at MIT. Her poster was selected as a runner-up for best student poster presentation. Judges conveyed that the implementation of her model could be a breakthrough in the care and management of chronic diseases like diabetes. See her working paper on diabetes care, co-authored with Deborah Nightingale, in the Working Paper section.

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Chris Tucci (TPP '92) is now the Dean of the College of Management of Technology at the École Polytechnique Fédérale de Lausanne. Read full announcement here.

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The National Science Foundation has recently created a short video highlighting the work that Cambrian Innovation has done with its support. Dr. Matthew Silver, an ESD PhD alum, is founder and CEO of Cambrian Innovation. View the video here. You can learn more about Cambrian Innovation and its new EcoVolt wastewater treatment system on the company’s website.

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News from the MIT Portugal Program:

CBS News Radio San Francisco has recently talked to Ross Collins about the results of the FIRE-ENGINE project. Read details and listen to radio interview here.

Vasco Portugal, MIT Portugal Program PhD candidate, together with two MIT colleagues, has won the competition for the best research in Innovation in Urban Development. Presented in November in Washington D.C., their findings will be published in a special publication featuring solutions-oriented research on reducing urban poverty. Read more on the MIT Portugal website.

From an initial 97 applications involving 417 professionals from 17 countries, the Building Global Innovators (BGI) Venture Competition has selected this edition’s track finalists and honorable mentions in Health Tech, Smart Cities, Internet and Information Systems and Consumer Products and Services. Read more here.

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FYI—Read news from the System Design and Management (SDM) program at Keio University in their Sept. 2013 newsletter (English translation).

PUBLICATION


Note: This paper creates a generic model for end-use energy intensity in urban settings and is part of the CityNet water and energy modeling subsystems. The model is applied to Masdar City and was developed under funding from the MIT & Masdar Institute Cooperative Program.

WORKING PAPER

This new paper has been added to the ESD Working Papers Series:

“Innovative Concept Model Design for Linking Physicians to the System of Patient-Centered Care with Advancing Technologies in the World of Diabetes”

Sahar Hashmi, MD
PhD candidate Engineering Systems Division, Healthcare Systems Delivery and Management
Sociotechnical Systems Research Center (SSRC)
Massachusetts Institute of Technology (MIT)

Deborah J. Nightingale, PhD
Professor of the Practice of Aeronautics and Astronautics and Engineering Systems
Director, Sociotechnical Systems Research Center
Massachusetts Institute of Technology (MIT)
IN THE MEDIA

Recent Slate blog posts by ESD PhD candidate Josephine Wolff
“Great, Now Malware Can Jump the “Air Gap” Between Computers”
Slate – Future Tense blog – December 3, 2013

“Newly Released Documents Show How Government Inflated the Definition of Metadata”
Slate – Future Tense blog – November 20, 2013

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Thomas Kochan quoted in Boston Globe commentary on Black Friday shopping
“Will you shop on Thanksgiving?”
Boston.com – November 25, 2013

“Holiday shopping creep”
The Boston Globe – November 24, 2013

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Blog post related to holiday shopping by LGO faculty member Zeynep Ton
“Stop Forcing Employees to Work on Thanksgiving”
Cognoscenti blog – WBUR – November 27, 2013

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Article highlights MIT AgeLab research on voice controls in automobiles
“Voice Controls Can Be Surprisingly Distracting to Drivers”
MIT Technology Review – November 20, 2013

Also, AgeLab research mentioned in article on planning for retirement
“Living to 100? It’s more likely than it sounds”
MarketWatch – November 22, 2013

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Eric von Hippel quoted in article on digital health leaders
“My 2013 Digital Health Entrepreneur, Investor, and Writing of the Year”
Forbes – Online – November 27, 2013

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Coverage of MIT/Accenture Big Data in Manufacturing conference (mentions talk by David Simchi-Levi)
“Revenue Stream Revolution: Takeaways from the MIT/Accenture Big Data in Manufacturing conference”
Quality Digest – December 2, 2013
EVENTS

Wednesday, December 11, 2013
ESS Doctoral Symposia
Speaker: John Helferich
Title: A Hazard Analysis Method of Managers
Time: 12-1pm
Where: E40-298
RSVP: http://signup.mit.edu/ess
(Note: Attendees are asked to RSVP by Monday at midnight. If you sign up, but then are unable to attend, please delete your RSVP by returning to the page.)

Wednesday, December 11, 2013
Dissertation defense of Pearl Donohoo-Vallett
Title: Design of Wide-Area Electric Transmission Networks under Uncertainty: Methods for Dimensionality Reduction
Committee: M. Webster (co-chair), I. Pérez-Arriaga (co-chair), Y. Sheffi
Time: 1pm
Location: E38-467

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