ESD NEWS

On May 2, 2014, Yaniv Mordecai (Ph.D. Candidate at Technion – Israel Institute of Technology and Ballistic Missile Defense System Engineer at Elbit Systems) will present the “Model-Based Risk-Oriented Systems Engineering (MBROSE) Practical Research Workshop.” (His academic advisors include Dov Dori and Olivier de Weck.) This workshop aims to introduce and demonstrate a novel model-based risk-oriented systems engineering (MBROSE) framework and modeling approach. This approach enriches the core system model with risk modeling, analysis, and management constructs, leading to a system or product design that is more robust, resilient, and risk-oriented. More details and full agenda here. Sign up here.

***

AgeLab’s Joe Coughlin keynoted the 2014 American Society on Aging Conference (San Diego), addressing several thousand attendees at the general session on the future of aging services. Read Coughlin’s blog post on his remarks here. Coughlin also delivered an invited lecture at Caltech & NASA’s Jet Propulsion Laboratory on the implications of an aging and retiring science and engineering workforce.

PUBLICATIONS

New paper by TPP student Jesse Jenkins: Political economy constraints on carbon pricing policies: What are the implications for economic efficiency, environmental efficacy, and climate policy design? – Energy Policy

The Winter 2014 issue of The Public Policy & Aging Report (from the Gerontological Society of America) features several articles from MIT AgeLab researchers. Access the Table of Contents (with links to full articles) here.

WORKING PAPERS

The papers below have been added to the ESD Working Paper Series.

Engineering Effective Response to Outbreaks of Influenza

Stan Finkelstein
Senior Research Scientist, Engineering Systems Division, Massachusetts Institute of Technology and Harvard-MIT Division of Health Sciences & Technology, Associate Professor of Medicine, Harvard Medical School

Richard C. Larson
Mitsui Professor of Engineering Systems, Engineering Systems Division, MIT
Karima Nigmatulina
Acting Director at the Institute of Master Planning for the City of Moscow, Russian Federation

Anna Teytelman
Senior Research Staff, Google Inc.

***

A Rail Infrastructure Manager Problem: Analyzing Capacity Pricing and Allocation in Shared Railway System

Paper submitted for CESUN 2014 - Fourth International Engineering Systems Symposium to be held June 8-11, 2014 at Stevens Institute of Technology.

Maite Peña-Alcaraz
PhD Candidate, Engineering Systems Division, MIT

Mort D. Webster
Associate Professor of Energy and Mineral Engineering, Energy and Mineral Engineering, Penn State

Andrés Ramos
Professor, Institute for Research in Technology, Comillas Pontifical University

Joseph M. Sussman
JR East Professor of Civil and Environmental and Engineering and Engineering Systems, MIT

***

Hiring College Graduates to Flip Hamburgers: An Endogenous Theory of Professionalization

Navid Ghaffarzadegan
Assistant Professor, Grado Department of Industrial and Systems Engineering, Virginia Tech

Yi Xue
Technology and Policy Program student, MIT

Richard C. Larson
Mitsui Professor of Engineering Systems, Engineering Systems Division, MIT

***

A Joint Planning, Management and Operations Framework for Airport Infrastructure

Paper submitted for CESUN 2014 - Fourth International Engineering Systems Symposium to be held June 8-11, 2014 at Stevens Institute of Technology.

Alexandre Jacquillat
PhD Candidate, Engineering Systems Division, MIT

Vivek Sakhrami
PhD Candidate, Engineering Systems Division, MIT
IN THE MEDIA

Yossi Sheffi talks about CTL’s 10th annual Crossroads conference
“Upcoming conference puts supply chain management in broad context”
MIT News - March 12, 2014

***

Article on passport security by MIT PhD candidate Josephine Wolff
“Papers, Please: How to make every country check passports to make sure they aren’t stolen.”
Slate – March 2013

***

News item about new Japanese translation of Engineering Systems
MIT News – March 12, 2014

***

Steven Spear quoted in article on Toyota
“Toyota Kaikan: Inside one of the world’s most fascinating factory tours”
CNN.com – March 5, 2014

EVENTS

Wednesday, March 19, 2014
Speaker: Steven Spear, senior lecturer, MIT Sloan and ESD; senior fellow, Institute for Healthcare Improvement
Time: 4:15pm – 5:30pm
Location: E38-615

Monday, March 24, 2014
MIT SDM Systems Thinking Webinar Series
‘Gap-Filling Organizations’: Competing at Speed in a Fast-Moving World
Steven J. Spear, D.B.A., M.S., M.S., Senior Lecturer, Engineering Systems Division and Sloan School of Management, MIT
Time: noon-1pm
Free and open to all

Wednesday, April 2, 2014
SDM Info Evening
Time: 6-9pm
Location: Boston Marriott Cambridge
Please join us at the Boston Marriott Cambridge for an Information Evening on the System Design and Management (SDM) program, which offers a Master's degree in Engineering *and* Management. You will have the opportunity to learn more about this exciting program designed for mid-career professionals, discuss career opportunities, and network with SDM alumni, faculty, students, and staff. The MIT-SUTD dual masters' program with SDM will also be discussed.

###