ESD NEWS

ESD PhD student Alexandre Jacquillat is the winner of the 2013 Best Student Presentation Award from the INFORMS Aviation Applications Section. The title of the presentation was “Airport Congestion Mitigation through Schedule Coordination: An Integrated Approach.” You can read a related paper in the ESD Working Paper Series.

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Stuart Madnick has won the Merritt Williamson Award for Best Annual Conference Paper from the American Society for Engineering Management (ASEM). The winning paper, “Using System Dynamics to Analyze the Effect of Funding Fluctuation on Software Development,” is co-authored with Travis Trammell (U.S. Military Academy, West Point) and Allen Moulton (Research Scientist, MIT).

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A paper featuring research that was part of the FIRE-ENGINE collaboration, under the auspices of the MIT Portugal Program, received press coverage from the major Portuguese news source Público (view article). The paper is: “Forest fire management to avoid unintended consequences: A case study of Portugal using system dynamics” (Ross D. Collins, Richard de Neufville, João Claro Tiago Oliveira, Abílio P. Pacheco), Journal of Environmental Management, Volume 130, 30 November 2013 (Paper is currently available online via ScienceDirect).

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WORKING PAPER

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

“Gas-Electricity Coordination in Competitive Markets under Renewable Energy Uncertainty”

Pablo Dueñas
Assistant Researcher
Institute for Research in Technology
Advanced Technical Engineering School
IN THE MEDIA

MIT News coverage of a new report co-authored by Jessika Trancik
“Innovation in renewable-energy technologies is booming”
MIT News – October 10, 2013

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Article by ESD PhD candidate Josephine Wolff
“Guilty as Charged: The best way to stop shady mug shot website operators: talk to credit card companies.”
Slate – Future Tense (partnership of Slate, the New America Foundation, and Arizona State University) – October 8, 2013

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Coverage of DARPA-funded project led by MIT’s Biomanufacturing Research Program (BioMAN), part of the MIT Center for Biomedical Innovation (CBI)
"MIT Researchers Aim to Make Drugs on the Battlefield"
The Boston Globe – October 7, 2013
Read more about this $10.4 million biomanufacturing grant from DARPA

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Alan Davidson (TPP alum) quoted in blog post about allegations that the National Security Agency has influenced encryption standards
“NSA’s Involvement in Standards Setting Erodes Trust”
Also, Davidson quoted in *The Wall Street Journal* - “The Morning Download” (Scroll down to “Gauging NSA involvement in security standards”)

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**Article by Joseph Coughlin about delaying retirement**

“3 top issues for workers delaying retirement”

MarketWatch – October 9, 2013

**EVENTS**

**Tuesday, October 15, 2013**

ESD Faculty Lunch  
Time: 12–1pm  
Location: E40-298

**Wednesday, October 16, 2013**

ESS Doctoral Symposia  
Speaker: Ross Collins  
Title: A dynamic systems analysis of sustainable development and national wealth: The case of Saudi Arabia  
Time: 12-1pm  
Where: E40-298  
RSVP: [http://signup.mit.edu/ess](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, October 16, 2013**

The MIT Sociotechnical Systems Research Center (SSRC) continues its series, “Conversations on Sociotechnical Systems.”

Dr. Marco Zenati, Professor of Surgery at Harvard Medical School, will present “Cognitive Overload Management in High-Consequence, Error-Prone Surgery.”

Time: 4:15-5:30pm  
Location: E38-615  
Light refreshments will be served.

**Thursday, October 17, 2013**

Designing Systems for a Complex World  
Beyond the Engineer of 2020: Wither Engineering Education?  
Presenter: Daniel Hastings  
Time: 4:15–5:30pm  
Location: E51-376

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