ESD NEWS

Online registration is now open for the CESUN 2014 conference from June 8-11, 2014 at Stevens Institute of Technology’s campus in Hoboken, NJ. Register here: http://www.cesun2014.com/info/registration.

CESUN 2014 will bring together individuals active in academia, industry, and government, as well as experts in the paradigms, methods and tools required for tackling such complex systems. The symposium will focus on the following theme tracks with multiple application domains:

- Bridging the Gap Between Complexity Sciences and Engineering Systems
- Resilience of Socio-Technical Systems and Enterprises
- Dynamics of Innovation, Adaptation and Evolution of Complex Systems

In addition, the symposium will have domain-specific sessions and discussion panels on systemic challenges in healthcare systems, financial systems, and urban systems. The full list of tracks, sub-tracks and application domains are listed here: www.cesun2014.com

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Reminder: 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. More details and full agenda here. Sign up here.

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MIT Consortium for Engineering Program Excellence (CEPE) researchers presented their findings at the recent 12th Annual Conference on Systems Engineering Research (CSER 2014) in Los Angeles CA on Mar 21-22, 214, based on recently-completed CEPE research projects. They are:

- “Understanding the Front-end of Large-Scale Engineering Programs,” by Sebastian Lucae, Eric Rebentisch, and Josef Oehmen
- “Planning for Resilient Lean Programs,” by Deborah Secor, Sebastian Lucae, and Eric Rebentisch
- “What to Measure for Success in Lean System Engineering Programs?“ by Janaina M H Costa, Monica Rossi, Eric Rebentisch, Sergio Terzi, Marco Taisch, and Deborah Nightingale
- “Designing Workshops for the Introduction of Lean Enablers to Engineering Programs,” by Kilian Gersing, Josef Oehmen, and Eric Rebentisch
Steve Eppinger has been honored as a runner-up for the POMS (Production and Operations Management Society) Wickham Skinner Award for Best Paper published in *Production and Operations Management* during 2013. The winning paper, “Structuring Work Distribution for Global Product Development Organizations,” is co-authored with Anshuman Tripathy (whose dissertation work the paper is based upon—Tripathy holds a Sloan PhD in OM and is now at IIM-Bangalore). The award will be presented on May 11th during the POMS 25th Annual Conference held in Atlanta.

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Last week, BLOSSOMS hosted 27 high school science teachers from around the US. They were all in Boston for the annual National Science Teachers Association conference. They learned about BLOSSOMS and participated in a crash course in designing BLOSSOMS lessons. They split into teams (arranged by subject matter) and collaborated to create a concept for a new BLOSSOMS lesson. This event was well-received by the teachers and some have expressed an interest in adding videos to the BLOSSOMS library.

**IN THE MEDIA**

**Op-ed by ESD research scientist Afreen Siddiqi**

"From water scarcity to surplus"  
The Express Tribune (with The International New York Times) - April 8, 2014

**EVENTS**

**Friday, April 11, 2014**  
Dissertation defense of Liliana Rivera  
Title: Logistics Clusters: Prevalence and Impact  
Committee: Y. Sheffi (chair), K. Polenske, L. D'Ambrosio, R. Welsch  
Time: 9:30am  
Location: 9-450A

**Wednesday, April 16, 2014**  
SSRC Conversations on Sociotechnical Systems  
**Rethinking and Redirecting Health System Performance**  
Speaker: Bobby Milstein, ReThink Health director and Sloan visiting scientist  
Time: 4:15-5:30pm  
Location: E38-615

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