ESD NEWS

This year's MIT Center for Biomedical Innovation BioMAN Summit will focus on Real Time Release, and posters on topics related to the general theme are welcome for consideration. Read full details, including information regarding student poster prizes, here. While this call for posters focuses on the applications of Real Time Release (RTR) to biopharmaceutical manufacturing, it will consider research and papers that identify lessons learned from RTR applications in other types of pharmaceuticals (e.g., small molecules, RNA, DNA) and therapies (e.g., cell) that could be translated to biomanufacturing. Submission deadline is Monday, October 27.

WORKING PAPERS

Three new papers have been added to the ESD Working Papers Series:

Towards better understanding Cybersecurity: Or are "Cyberspace" and "Cyber Space" the same?
Stuart Madnick
John Norris Maguire Professor of Information Technology and Professor of Engineering Systems, MIT Sloan School of Management and MIT School of Engineering, MIT

Nazli Choucri
Professor of Political Science and Associate Director of the Technology & Development Program, MIT Department of Political Science, MIT

Steven Camiña
Research Assistant, MIT Department of Electrical Engineering and Computer Science, MIT

Wei Lee Woon
Associate Professor, Electrical Engineering and Computer Science, Masdar Institute of Science and Technology

A Unified Approach for Taxonomy-based Technology Forecasting
Andreas Henschel
Assistant Professor, Electrical Engineering and Computer Science, Masdar Institute of Science and Technology, UAE

Erik Casagrande
Postdoctoral Researcher, Department of Chemical and Environmental Engineering, Masdar Institute of Science and Technology, UAE

Wei Lee Woon
Associate Professor, Electrical Engineering and Computer Science, Masdar Institute of Science and Technology, UAE

Isam Janajreh
Associate Professor, Department of Mechanical and Materials Engineering, Masdar Institute of Science and Technology, UAE
STEM Crisis or STEM Surplus? Yes and Ye

Yi Xue
Graduate, Technology and Policy Program, MIT

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

View these and other ESD Working Papers here.

PUBLICATIONS


“Relationship between Drivers’ Self-Reported Health and Technology Perceptions Across the Lifespan” – Chaiwoo Lee, Bruce Mehler, Alea C. Mehler, Joseph F. Coughlin, Bryan Reimer - AutomotiveUI ’14 Adjunct Proceedings of the 6th International Conference on Automotive User Interfaces and Interactive Vehicular Applications

IN THE MEDIA

TPP alum Emily Calandrelli is the host and co-producer of Xploration Outer Space, a new K-12 TV series

“Alumna takes up space on Saturday mornings: MIT alumna Emily Calandrelli is the host of Xploration Outer Space, a weekend TV show about all things space”
MIT News – October 14, 2014

***

Extensive additional coverage of paper co-written by Olivier de Weck

“Mars One (and done?): MIT team independently assesses the technical feasibility of the proposed Mars One mission”
MIT News – October 14, 2014

“Scary New Simulation Shows Mars One Colonists Could Suffocate, Starve”
The Huffington Post – October 14, 2014

“The first Mars One colonists will suffocate, starve, and be incinerated, according to MIT"
ExtremeTech – October 13, 2014

“MIT Students Claim Astronauts Will Starve On ‘Mars One’ Mission”
Popular Science – October 11, 2014
Read paper: "An Independent Assessment of the Technical Feasibility of the Mars One Mission Plan"

***

Coverage of study co-authored by Noelle Selin published in *Nature Climate Change*
"How Carbon Emission Reduction Can Pay For Itself"
Inspired Economist – October 8, 2014

***

TPP student Jessica Artiles quoted in article on recent MIT Maker Faire, of which she was a lead organizer
"First-ever MIT Maker Faire attracts nearly 3,000 attendees to campus"
MIT News – October 7, 2014

***

Eric Klopfer quoted in blog post about Minecraft as an educational tool
"Disruptions: Minecraft, an Obsession and an Educational Tool"
The New York Times - Bits blog - September 15, 2014

Also, Klopfer quoted in article about recently released report from the Institute-wide task force on the future of MIT’s education:
"With growing edX role, some students skeptical"
The Tech – October 14, 2014

***

Piece by Joe Coughlin on early retirement
"Why Early Retirement Often Backfires"
The Wall Street Journal - The Experts blog – October 14, 2014

Also, a Big Think blog post by Coughlin on technologies for caregiving

EVENTS

**Monday, October 20, 2014**
MIT SDM Systems Thinking Webinar Series
"A Systems Approach to the 2014 Midterm Elections: Voting to Achieve Systemwide Change"
Nicholas A. Ashford, Ph.D., J.D., Professor of Technology and Policy, MIT
Time: 12-1 pm

**Thursday, October 30, 2014**
SSRC Occasional Distinguished Lecture Series: Designing Sociotechnical Systems for a Complex World
"Success from the Perspective of a Jordanian Woman Scientist"
Prof. Rana Dajani, Hashemite University, Zarqa, Jordan
Time: 4:15-5:30 pm. Reception to follow.
Location: 1-190

**Monday, November 3, 2014**
MIT SDM Systems Thinking Webinar Series
"Integrated Design for Product Success"