



Newsletter #2: August 2015

### Upcoming (IC)<sup>3</sup> Workshop -- September 28

A day-long workshop is planned for September 28, in collaboration with the MIT Cybersecurity@CSAIL research group. Click for detailed agenda and [Registration information](#)

*(IC)<sup>3</sup> Partner-level members are invited to attend the CSAIL Annual meeting on September 29.*

### **Sept 28 (9am-2:30pm): (IC)<sup>3</sup> Workshop**

- Members: introductions, current activities, important issues and concerns
- Update: Vulnerability research (Michael Siegel et al)
- Update: House of Security research (Stuart Madnick et al)
- Discussion of research related to White House/NIST Cybersecurity Framework (Michael Coden gives overview, Nazli Choucri leads discussion of experiences and views of the members => goal is to identify research issues)

*Short discussions on new proposed research initiatives*

- Cybersecurity educational programs and research on best directions and for what purposes (George Wrenn and Nazli Choucri)
- Concern: "Does Cybersecurity Interfere with Innovation?" (Natasha Nelson)
- Wrap-up session (e.g., themes for future workshops)

### **Sept 28 (3pm-5:30pm): Panel on Cyber insurance**

Joint (IC)<sup>3</sup> – Cybersecurity@CSAIL Meeting

- Howard Shrobe, Director of Cybersecurity@CSAIL, opens and sets the stage for the conversation
- Stuart Madnick, Director of (IC)<sup>3</sup>, introduces panel

#### **Lawyers/Legal issues**

Lon Berk, Partner, Hunton & Williams LLP  
 Joe Stanganelli, Partner, Beacon Hill Law

#### **Sellers of cyber insurance**

TBA, Mass Mutual  
 Oliver Brew, SVP, Liberty Mutual, Liberty International Underwriters

#### **Buyer of cyber insurance**

Mike Curry, Deputy CISO, State Street

- Panel Speakers (8-10 minute position statements)
- Moderated Questions followed by Q&A with audience
- Closing remarks

**Sept 28 (6pm-7pm): Reception** for all (IC)<sup>3</sup> and Cybersecurity@CSAIL members  
 Opportunity to meet and network with your peers

**Sept 29 Cybersecurity@CSAIL Annual Meeting**  
 (IC)<sup>3</sup> Partner-level members are invited to attend

### Planning for November Workshop

We are planning to have an (IC)<sup>3</sup> workshop with a specific focus on Cybersecurity of Legacy Systems - especially Industrial Control Systems (ICS). Possible issues to be addressed include:

- ICS Constraints
- Long-term Architecture
- What to do now
- How to transition
- Role of industry standards

If you are interested in being a panelist, please contact [smadnick@mit.edu](mailto:smadnick@mit.edu)

### (IC)<sup>3</sup> in the News

(IC)<sup>3</sup> has been featured in several publications, most recently in the July 27<sup>th</sup> [CRN Interview of \(IC\)<sup>3</sup> Director Stuart Madnick](#) where he states: "In a world where data has increasing value, the chief data officer (CDO) has become a more important member of the C-suite, wearing many different hats on any given day, but the most important role of the CDO right now is leading the charge against cyberattacks."

### Recent Events and Activities

**MIT Chief Data Officer-Information Quality (CDO-IQ) Symposium – July 22, 2015: "The Role of the CDO in Improving an Organization's Cybersecurity"**

(IC)<sup>3</sup> was asked to organize a session at the popular [Chief Data Officer-Information Quality \(CDO-IQ\) Symposium](#) on the role of the CDO regarding cybersecurity, especially since the managerial, organizational, and strategic aspects of cybersecurity directly match CDO responsibilities.



Prof. Stuart Madnick (at left)



*Prof. Stuart Madnick at MIT Chief Data Officer-Information Quality (CDO-IQ) Symposium*

**(IC)<sup>3</sup> starts Cybersafety study with MIT Co-Generation Facility**

(IC)<sup>3</sup> has started a study to apply its Cybersafety analysis approach (previously used to study the TJX and Stuxnet events) in a forward-looking way to identify and mitigate cyber risks at the MIT Co-Generation Facility. Initial results are planned to be reported at the November workshop.



*(Center) James Kirtley, Professor of Electrical Engineering, and some of his Power System students signing in at the MIT Co-Gen facility*



*Prof. Stuart Madnick and Dr. Jerry Grochow in the Co-Gen Control Room*

**(IC)<sup>3</sup> participates in the global Security Startup Challenge**

The [Security Startup Challenge](#) (SSC) is a global initiative to encourage startups to protect the world from cyber threats. SSC was initiated by Kaspersky Lab and Mangrove and ABRT venture funds to create a three month business acceleration program, facilitated by mentors and workshops held around the world.

The initiative started with 237 candidate teams and through workshops held in diverse cities, such as Berlin, Moscow, Jerusalem, Singapore, San Francisco, Luxembourg, was narrowed to eleven finalists to come to MIT.

(IC)<sup>3</sup> and the MIT International Science and Technology Initiatives (MISTI) program hosted the Final Workshop and Awards Ceremony.

(IC)<sup>3</sup> contributed to this event in multiple ways. Chris Zannetos and Stuart Madnick were asked to give talks to the Finalists about their experiences starting companies and useful lessons learned, and participated in the media event. Several members of (IC)<sup>3</sup> were invited to join the Judges panel: Michael Coden, Stuart Madnick, Abel Sanchez, and John Williams. At the Awards Ceremony, Prof. Madnick gave one of the keynotes, welcoming everyone to MIT and presenting an introduction to (IC)<sup>3</sup>.



*(Left) Chris Zannetos giving talk on how to characterize and sell to CSOs and CISOs; (Right) Stuart Madnick and Michael Coden served as Judges at the Awards Ceremony*



**About Cybersecurity at MIT:**

The MIT Interdisciplinary Consortium for Improving Critical Infrastructure Cybersecurity, (IC)<sup>3</sup>, is one of three cybersecurity programs at MIT. It is focused on the managerial, organizational, and strategic aspects of cybersecurity. The other two programs are Cybersecurity and Internet Policy Initiative (CIPI), focused on policy, and Cybersecurity@CSAIL, focused on improved hardware and software.