



Newsletter #7: March-April 2016

(IC)³ Annual Conference on 11-12 July 2016

We welcome up to 3 attendees from each organization, this is an opportunity to get one or two of your other colleagues more deeply involved.

Note: This conference is by invitation-only for our (IC)³ members and a couple prospective members.

The URL for EventBrite registration should have been sent to your organization. If not, contact either smadnick@mit.edu or jcliment@mit.edu

Periodically updated agenda will be available at: <http://ic3.mit.edu/ic3docs/2016-07-11Agenda.pdf>

Current draft Agenda

(Titles, Sequence, and Speakers / Panelists subject to change)

July 11, 2016

Sessions (most 45 minutes):

- Members updates on what they are doing and major challenges (90 minutes)
- Lesson Learned from Ukraine power grid attack (TBA)
- Update of House of Security survey data results (Stuart Madnick & Mohammad Jalali)
- Cybersecurity Impact on Innovation (Natasha Nelson)
- Cybersecurity Risk Analysis, Control, and Cyberinsurance (Raphael Yahalom)
- Cybersecurity Executive Education – with interactive exercise (Michael Siegel & Mohammad Jalali)

Panel: “Cybersecurity of Industrial Control Systems (ICS)”

- ICS Constraints, How to transition, Lessons Learned, Role of industry standards, Converge with IT?

- Moderator: Michael Coden
- Panelists: **Engie** (Jos Menting); **ExxonMobil** (Johan Nye); **Idaho National Labs** (Andrew Bochman); **Schneider Electric** (Andy King); TBD

Reception & Poster Session @ MIT Sloan School Faculty Lounge, 100 Main St., Room E62-546

July 12, 2016

Sessions (most 45 minutes)

- Executive Education – analysis of data from July 11 (Michael Siegel & Mohammad Jalali)
- The New Security Workforce: Improve Defense and Understand the Offense (Michael Siegel)
- Updates and Lessons Learned from Cybersafety Analysis (Stuart Madnick)
- Effectiveness of the NIST Cybersecurity Framework (Nazli Choucri and Gaurav)

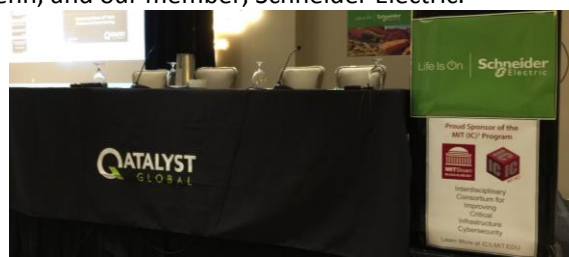
- Brief intros to new research projects (20-minute each)
 - Balancing Usability with Security specially in IoT Devices, focus on Medical Devices (Saurabh Dutta)
 - Cybersecurity of Critical Urban Infrastructure (Greg Falco)
 - Anatomy of Cyber Threat Information Sharing (Priscilla Cherie Koepke)
- Discussion: Planning research agenda
- Panel: "Cybersecurity Governance"** - where does / should cybersecurity fit in the organization
- Moderator: Stuart Madnick
- Panelists: **AIG** (TBA), **Fannie Mae** (Michael Valmont), **New York Power Authority & TradeWeb** (Lena Smart), **Proctor & Gamble (P&G)** (Bob MacDonald)

(IC)³ Conference & Workshop Appearances

(IC)³ is everywhere! In March and April we were at: [Cyber Security for Critical Assets USA](#), [CREDC Industry Workshop](#), [FinTech Conference](#), [ILP ICT Conference](#)

Cyber Security for Critical Assets USA (March 16-17, 2016, Houston, Texas) – This event brought together the key players involved in advancing Cyber Security and defending critical assets, allowing them to discuss challenges, share experiences and investigate best practice guidelines.

(IC)³ was represented by our Assistant Director, George Wrenn, and our member, Schneider Electric.



“Proud Sponsor of MIT-(IC)³ Program” prominently displayed by Schneider Electric.

CREDC Industry Workshop (March 28-29, 2016, Champaign, Illinois) – The CREDC Industry Workshop focused on exchange and collaboration between CREDC researchers and energy industry stakeholders involved in providing cybersecurity and resiliency of energy delivery systems for electricity, oil, & gas. (IC)³ Director, Stuart Madnick, co-chaired the “Challenges to EDS cyber resiliency from an expanding attack surface” discussion group and (IC)³ Associate Director, Michael Siegel, co-chaired the “Human factors and usability” discussion group.



(IC)³ Director, Prof. Stuart Madnick, and (IC)³ Associate Director, Michael Siegel, arriving for the CREDC Board Meeting

FinTech Conference (Apr. 16 2016, Cambridge, MA) -- The FinTech (Financial Technology) Conference brings together emerging and established entrepreneurs, current industry leaders, and policymakers to discuss innovation and disruption in financial technologies over the next decade.

(IC)³ Director, Stuart Madnick, led a session titled: “Cybersecurity of Financial Technologies: Is the Worse Yet To Come?” with Panelists – Patricio Hernandez – Global Head of Processing and Network Solutions, Mastercard; Michael Woodson – Risk Director, VP Office of the CISO, State Street; and Jim Cupps – Director, Data Architecture and Services, Liberty Mutual.



Stuart Madnick (left) arriving at FinTech; Panelists (from left to right): Jim Cupps, Patricio Hernandez, Michael Woodson



Packed and energized crowd at FinTech listen in

2016 MIT Information and Communication Technologies Conference (April 20-21, 2016, Cambridge, MA) -- The annual MIT Information & Communication Technologies (ICT) Conference explores the latest ICT research from across MIT and its potential impact across industries. This year’s conference included two sessions on Cybersecurity, along with sessions on Artificial Intelligence, and the Future of Works.

Prof. Madnick was asked to organize a session on “Cybersecurity Governance and Culture,” with focus on the managerial, organizational, and strategic aspects of cybersecurity with emphasis on critical infrastructure.

The other speakers in this session were David Clark, of CSAIL, and Mohammad Jalali, of the MIT Sloan School. Click [here](#) for the agenda with links to all of the presentations and videos, including the Q&A. Madnick’s video is at <https://ilp.mit.edu/videodetail.jsp?confid=135&id=1703>



Stuart Madnick (left); Speakers/Panelists (from left to right): David Clark, Mohammad Jalali

Upcoming Conference & Workshops

July 12-14, 2016: Chief Data Officer – Information Quality Symposium

The Chief Data Officer (CDO), by any name, is emerging as the central player in the business of creating value from data and addressing challenges such as cybersecurity. In its tenth year, the MITCDOIQ Symposium continues to explore the developing landscape, from local organizational issues to global challenges, through case studies from industry, academic, government and healthcare leaders.

Special discount for (IC)³ members: We have arranged for (IC)³ members to get an extra special 75% discount by using the code: **Madnick75** (only pay \$248.7525 instead of \$995). Several of our (IC)³ members attended last year and gave great reviews. Register at <http://www.mitcdoiq.org/>

(IC)³ in the News

What Every MBA Must Know About Cyber Security

(IC)³ was highlighted in an article on “Big Data: This Is What Every MBA Must Know About Cyber Security” in [Business Because](#). Dr. Madnick noted that: “... companies need people in decision making roles that understand the consequences of cyber attacks. But that expertise is lacking, he insists. So, there are a swelling number of career avenues for MBAs to take in the field of information management.”

Dark Web hackers trump good guys in sharing information and Security of IoT-enabled devices remains low priority for developers

Dr. Madnick was interviewed for a series of articles in *Tech Target*, [one](#) had the sub-head: “Organizations are getting better at defending against cyberattacks, says MIT Sloan’s Stuart Madnick, but dark Web hackers maintain an edge. He explains why.”

[Another](#) starts with “he talks about how marketplace pressures, the newness of the technology and human error make IoT-enabled infrastructure vulnerable to attack.”

[Another piece](#) was entitled: “CISOs enter the boardroom” and starts with “One of the questions Stuart Madnick will ask of a panel of CIOs at the upcoming MIT Sloan CIO Symposium is who should the company’s CISO report to.”

About Cybersecurity at MIT:

The MIT Interdisciplinary Consortium for Improving Critical Infrastructure Cybersecurity, (IC)³, 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 the Internet Policy Research Initiative (IPRI), focused on policy, and Cybersecurity@CSAIL, focused on improved hardware and software. More information on (IC)³ can be found at <http://ic3.mit.edu> or by contacting smadnick@mit.edu