

WELCOME TO *THE I3P MONTHLY*

The Institute for Information Infrastructure Protection (I3P) is a consortium of 26 leading universities, national laboratories, and nonprofit institutions dedicated to strengthening the cyber infrastructure of the United States.

The I3P Monthly highlights the impact of I3P experts on research, policy, and practice. For more information on the I3P, see our website - thei3p.org.

CONSORTIUM NEWS

The I3P (PI: **Diana Burley, The George Washington University**) was awarded \$350,000 by the National Science Foundation (NSF) to support the development of comprehensive curricular guidelines in cybersecurity education. Dr. Burley serves alongside **Matt Bishop (University of California, Davis)** as co-chairs of the [ACM Joint Task Force on Cybersecurity Education](#) which has been at the forefront of this effort.

From June 13-15, the I3P hosted the **2016 International Security Education Workshop (ISEW)**. The workshop, sponsored by Intel and the National Science Foundation, convened members of academia, industry, and government to collaboratively engage with the development of cybersecurity curricular guidelines. [Dr. Herb Lin](#), Senior Research Scholar for the [Center for International Security and Cooperation](#) at Stanford University, and member of [President Obama's Commission on Enhancing National Cybersecurity](#), gave the ISEW keynote address.



(ISEW working groups. Photo credit: Delores Gibson)

Congratulations to industry partner, **Scott Buck of Intel** who received the 2016 Industry Leader of the Year award at the 20th Colloquium for Information Systems Education (CISSE) in mid-June. Scott was recognized for his tireless efforts to



(Scott Buck receiving the 2016 Industry Leader of the Year Award. Photo credit: Delores Gibson)

The I3P Welcomes Summer Interns!

Symantha Gant is a rising senior at Chantilly High School and participates in volleyball and journalism. She hopes to study psychology in college and eventually become a nurse anesthetist. Symantha volunteered to be an intern for the I3P this summer to gain exposure to work life and professional writing opportunities. **Aidan Gant** is a rising sophomore at South Lakes High School and is a member of the marching band. He wants to study sound engineering and physics in college. Through his internship with the I3P, Aidan hopes to learn about working in a professional environment.

I3P MEMBER HIGHLIGHTS

Apu Kapadia (Indiana University) and his colleagues were awarded an Honorable Mention in the Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems. They presented their work, entitled [Enhancing Lifelogging Privacy by Detecting Screens](#), in a session devoted to "Privacy over Time and Relationships."

Mustaque Ahamad (Georgia Institute of Technology) co-authored the research report [MobiPot: Understanding Mobile Telephony Threats with Honeycards](#), which is now available in the Proceedings of the 11th ACM on Asia Conference on Computer and Communications Security.

Emery Berger (University of Massachusetts Amherst) served as Program Chair for the [37th Annual ACM SIGPLAN Conference on Programming Language Design and Implementation \(PLDI\)](#) which was held June 13-17 in Santa Barbara, CA.

Sean Peisert (Lawrence Berkeley National Laboratory) presented "Computer Security and the Electric Power Grid" for the **I3P Webinar Series** on June 17. As Dr. Peisert explained, "the electrical grid use to be controlled by humans pushing switches and levers in generation plant control rooms, and in substations that – at best – were connected by voice telephone lines, but just as often may have required driving in a service truck to a remote substation to physically adjust equipment in

person. Today, there is a desire in many sectors to connect just about everything possible to a computer network, including many of the systems that control and monitor electrical generation, transmission, distribution, and consumption." His webinar provided an overview of risks to the country's electrical grid to attacks via computer networks by briefly embedding it within a historical context, before sharing some key efforts currently underway to mitigate those risks.

Via his role at the LBNL-managed [ESNet](#), Dr. Peisert also collaborated in the organization of the [Open Science Cyberthreat Profile](#) (OSCTP.) This working group of cybersecurity experts will address risk management for assets found within the open science community. Dr. Peisert is a longstanding associate of this consortium, currently serving as LBNL's I3P Representative after a previous appointment as an I3P Research Fellow.

Diana Burley (The George Washington University) gave a keynote address entitled "Global Cybersecurity Curricular Standards: Is It Time?" at the [National Cyber Summit](#) on June 9th. A recording of the speech is available on [YouTube](#).

Michael Mylrea (Pacific Northwest National Laboratory and a doctoral student in The George Washington University's Holistic Executive Leadership CyberCorps Program), will speak on "Cybersecurity Risk Management for Modern Energy Organizations" at the U.S. Department of Energy's [2016 Energy Exchange](#) in August.

UPCOMING EVENTS

The I3P Webinar Series

July 15, 2016 | [Registration](#)

James Alves-Foss (University of Idaho) is presenting "Automated Software Vulnerability Analysis and Patching: The DARPA Cyber Grand Challenge" on July 15. **Dr. Foss**, Director and founding member of the [Center for Secure and Dependable Systems](#), has over 25 years of experience in the design and analysis of secure systems. These complimentary 30 minute webinars, which commence at noon ET on the 3rd Friday of each month, allow our colleagues a relaxed forum through which to share insight into their work and expertise. Upcoming speakers:

- August 19: **Kartik Gopalan (Binghamton University)**
- September 16: **Rhea Seirs (The George Washington University, Center for Cyber and Homeland Security)**
- October 21: **Matt Bishop (University of California, Davis)**

SAVE THE DATE - The I3P Fall Consortium Meeting and Event

October 13-14, 2016 | Washington, DC

Details are forthcoming but hold the evening of October 13th for a public event featuring I3P experts.

More information on the I3P is available [here](#). Contact us at thei3p@gwu.edu to discuss opportunities to engage with I3P subject matter experts.

