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

I3P DECEMBER 2017 WEBINAR: Measuring Human Performance on a Network

presented by Dr. Jennifer Cowley (Department of Defense, Army Research Laboratory); co-authors, Steve Hutchinson and Jason Ellis. Dr. Cowley discussed the results of the first phase involving a packet reduction tool (the LSS(r) capability) and shared details how this work fits in their overall strategy. LISTEN HERE for the presentation.

I3P JANUARY 2018 WEBINAR: Secure Remote Attestation of Embedded Systems and IoT Devices
Remote Attestation (RA)

- Remote verification of internal state of a prover by a verifier
  - Secure updates, deletion/erasure and resetting
- Challenge-response protocol between
  - Trusted Verifier: powerful entity
  - Untrusted Prover: embedded device

![Diagram of RA process]

presented by Dr. Karim Eldefrawy (SRI International). Dr. Eldefrawy's talk focused on two recent developments: (1) RA architectures and techniques based on formally verified components, and (2) practical lightweight RA protocols for groups of interconnected devices. [LISTEN HERE](#) for the presentation and register below for the next I3P webinar: **Blockchain: clarifying the hope from the hype**

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### I3P MEMBER HIGHLIGHTS

**Andrew Bochman** (Idaho National Laboratory) will be speaking at [SANS ICS Security Summit](#), March 19-26 in Orlando, FL. Topic: Better Security Lies Beyond Hope and Cyber Hygiene: An Introduction to INL's Consequence-driven, Cyber-informed Engineering (CCE) Methodology. CCE is gaining steam. He will let the audience in on some of the specifics including a few things you can do right now.

**Diana Burley** (George Washington University) has been appointed to a 3 year term (effective January 1, 2018) on the National Academies [Board on Human-Systems Integration](#) (BOHSI) within the Division on Behavioral and Social Sciences, and Education. The Board on Human-Systems Integration has a broad mandate that includes providing new perspectives on theoretical and methodological issues concerning the relationship of individuals and organizations to technology and the environment; identifying critical issues in the design, test, evaluation, and use of new human-centered technologies; and advising sponsors on the research needed to expand the scientific and technical bases for designing technology to support the needs of its users.

**Additional Highlights include:**

- The Boeing Empowering Women Forum at the Boeing International, Arlington, VA regional headquarters in December 2017.
With the support of the Boeing Executive Council’s Women in Leadership Project Team, including executive sponsor Leanne Caret, Boeing Defense Systems (BDS) President, Boeing is hosting a series of Women’s Forums across its U.S. sites to help Boeing women advance their careers. Dr. Burley participated in a panel discussion with Boeing executives Sue Gainor, Vice President Global Trade Controls, Office of Internal Governance; Greta Lundeberg, Vice President Strategy & Advocacy, Government Operations; and Sean Schwinn, Vice President Strategy & Market Development, Boeing International.

- Dr. Burley was the featured guest on the [Ellevate Podcast: Conversations With Women Changing the Face of Business](https://www.ellevatepodcast.com/episodes/why-we-need-cybersecurity). The episode is entitled Why We Need Cybersecurity. (Episode 87).

Advisory board member, **Renee Forney**, an executive-level strategist and leader in cybersecurity has taken a new role. Capital One has hired her as the Senior Director of Cyber Assurance. She brings a wealth of experience from both the public and private sector and has a unique ability to engage and guide a wide range of technical and business stakeholders in the advancement of enterprise cybersecurity.

**Additional highlights include:**

Renee Forney, was one of the featured speakers on [Government Matters](https://www.govmatters.com/) discussion on Agencies cope with lack of confirmed tech leadership in December 2017.

**Sean Peisert** (Lawrence Berkeley National Laboratory) now has 17 papers from the #SP18 proceedings available for download and perusal! Newly available findings on usable security, blockchains, password cracking economics, browser fingerprinting, GPS spoofing, and more! [IEEE Computer Society](https://ieeexplore.ieee.org/).
I3P Webinar Series: Blockchain: clarifying the hope from the hype
Friday, February 16, 2018 12PM ET | REGISTER!

Eliezer Kanal (Carnegie Mellon University) is presenting Blockchain: clarifying the hope from the hype. Dr. Kanal is a technical manager at CERT.

These complimentary 30 minute webinars, held at noon ET on the 3rd Friday of each month, provide a relaxed forum through which I3P experts share state-of-the-art research on topics of importance to securing cyber infrastructure.

Upcoming Speakers (2018)

- March 16: Dr. Diana Burley (George Washington University) will discuss Global Cybersecurity Curricular Guidelines

- April 20: Elliott School of International Affairs (George Washington University) graduate student team advised by Rhea Siers and Diana Burley will discuss their work exploring international cybersecurity policy

- May 18: No webinar. GW Commencement.

*Do you want to provide your staff or clients with exclusive learning opportunities lead by global cybersecurity experts? Contact us to discuss partnership opportunities!

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