

## SEI BULLETIN

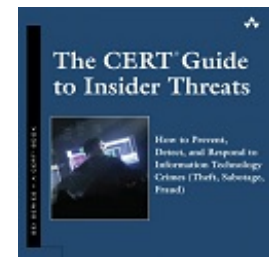
April 20, 2016 |     | [Careers @ SEI](#)**In This Issue**

- [CERT Guide to Insider Threats Named to Cybersecurity Canon](#)
- [SEI Podcast Series: Open Systems Architecture: When and Where to Be Closed](#)
- [SEI Blog: A Platform for Dynamic Defense Technologies](#)
- [Events: SEI Architecture Technology User Network \(SATURN\) Conference](#)
- [Agile in Government Summit 2016](#)
- [SEI Jobs](#)
- [Training Opportunities](#)

**News: CERT Guide to Insider Threats Named to Cybersecurity Canon**

Palo Alto Networks has announced that the [CERT Guide to Insider Threats: How to Prevent, Detect, and Respond to Information Technology Crimes](#) will be inducted into the Cybersecurity Canon in 2016. The book was published by Addison-Wesley Professional in 2012. Two SEI CERT Division researchers, Randall Trzeciak and Andrew Moore, who coauthored the book with Dawn Cappelli, were recognized for their contributions to the field at the Ignite 2016 Cybersecurity Conference on April 4 in Las Vegas, Nevada.

[Learn more about the CERT Guide and the Cybersecurity Canon.](#)



Also in the news:

- [Poort Named Winner of 2016 Linda Northrop Software Architecture Award](#)
- [SEI Teams with \(ISC\)2 to Host High School Cybersecurity Competition](#)
- [SEI Staff Members Named Fellows of ASQ](#)
- [More Than 200 Thought Leaders Convene to Spur Pittsburgh's Role as Center for Cybersecurity Innovation](#)

**SEI Podcast Series: Open Systems Architectures: When and Where to Be Closed**

Department of Defense (DoD) systems today are highly capable and complex. However, they also face increasing scale, computation, and security challenges. Compounding these challenges, DoD systems were historically designed using stove-piped architectures that lock the government into a small number of system integrators, each devising proprietary point solutions that are expensive to develop and sustain over the lifecycle. Although these stove-piped solutions have been problematic (and unsustainable) for years, the budget cuts occurring under sequestration are motivating the DoD to reinvigorate its focus on identifying alternative means to drive down costs, create more affordable acquisition choices, and improve acquisition program performance. A promising approach to meet these goals is open systems architecture (OSA).



Don Firesmith

In this podcast, Don Firesmith discusses how acquisition professionals and system integrators can

apply OSA practices to effectively decompose large monolithic business and technical architectures into manageable and modular solutions that can integrate innovation more rapidly and lower total ownership costs.

[Listen to or view the podcast.](#)

## SEI Blog: A Platform for Dynamic Defense Technologies

Dynamic Network Defense (or Moving Target Defense) is based on a simple premise: a moving target is harder to attack than a stationary target. In recent years the government has invested substantially into moving target and adaptive cyber defense. This rapidly growing field has seen recent developments of many new technologies--defenses that range from shuffling of client-to-server assignments to protect against distributed denial-of-service (DDOS) attacks, to packet header rewriting, to rebooting servers. As researchers develop new technologies, they need a centralized reference platform where new technologies can be vetted to see where they complement each other and where they do not as well as a standard against which future technologies can be evaluated.



Andrew Mellinger

In this blog post, the SEI's Andrew Mellinger describes work led by researchers at the SEI's Emerging Technology Center (ETC) to create a secure, easy-to-use, consistent development and deployment path to organize dynamic defenses.

[Read the post.](#)

## Events: SEI Architecture Technology User Network (SATURN) Conference

SATURN is designed for practitioners who are responsible for producing robust software architectures and those who view software architecture as a critical element of achieving their business goals.

As the premier architecture conference for senior engineers, SATURN has traditionally offered keynotes and sessions on both essential skills and cutting-edge methods for software architects. SATURN 2016 will continue this tradition with talks covering topics of strong foundations in software architecture as well as software craftsmanship for those pushing the state of the art in this field. This year's keynote speakers are

- **Grady Booch**, IBM Fellow and Chief Scientist at IBM/Watson
- **Daniel Jackson**, Professor of Computer Science, MacVicar teaching fellow, and Associate Director of the Computer Science and Artificial Intelligence Laboratory at MIT
- **Joe Salvo**, Director of GE Global Research

Registration for SATURN 2016 is now open. To learn more and to register, please visit [www.sei.cmu.edu/saturn/2016/index.cfm](http://www.sei.cmu.edu/saturn/2016/index.cfm).



## Events: Agile in Government Summit 2016

The SEI is cosponsoring the Association for Enterprise Information Agile in Government Summit 2016, to be held May 10-11, 2016, in Washington, DC. The summit will focus entirely on adoption of Agile principles by government programs, agencies, and teams. Leading industry experts and government officials will address

- what Agile techniques are working best
- where Agile and DevOps are best applied
- why Agile requires discipline, skill and training
- how Agile benefits agency performance and mission

Registration and the call for presentations are now open.

[Learn how you can participate.](#)



## SEI Jobs

The SEI is a great place to pursue your passion. Headquartered in Pittsburgh, Pa., the SEI also has offices in the Washington, DC, and Los Angeles, Calif., metropolitan areas.

Interested in working for the SEI? Below are a few recent employment opportunities. For more job listings and full position descriptions, check out the [SEI Careers page](#).



[Systems Engineer](#)

[Senior Computer Security Information Analyst](#)

[Program Business Development Manager](#)

[Senior Accountant](#)

[Software Engineer](#)

[Network Security Engineer](#)

[Cyber Security Engineer - Penetration Tester](#)

[Machine Learning Research Scientist](#)

[Information Security Analyst](#)

[More job listings...](#)

## Training Opportunities

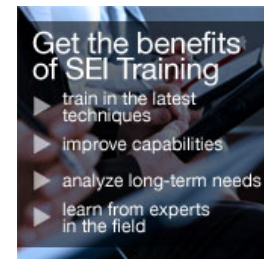
### Upcoming Classes:

**May 24, 2016 (Virtual Classroom)**

[Secure DevOps Process and Implementation](#)

**June 7 - 8, 2016 (Pittsburgh, Pa.)**

[ATAM Evaluator Training](#)



### 2016 Course Schedule

[All 2016 Courses](#)

**Software Engineering Institute, Carnegie Mellon University**

1-888-201-4479

[Join Our Mailing List!](#)

### About the SEI Bulletin

The SEI Bulletin is a biweekly newsletter designed to keep you up to date on SEI news, events, research, and other matters of interest to the SEI community. We hope you find the SEI Bulletin useful and informative.

### Send Us Your Story

Do you have a story about how an SEI technology has positively affected your team or organization? If so, the SEI would like to hear about it. Send a short summary of your success to [info@sei.cmu.edu](mailto:info@sei.cmu.edu) and

you could be featured in a future issue of the SEI Bulletin.