Software Engineering Institute | Carnegie Mellon University

SEI BULLETIN

August 13, 2014 | [YouTube] [in] [f] [t] | [Careers @ SEI](#)

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. Because of your past participation as an SEI member, you have been automatically subscribed to receive the *SEI Bulletin*. Should you not wish to continue receiving the *Bulletin*, you may unsubscribe with [SafeUnsubscribe.](#) 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 and you could be featured in a future issue of the *SEI Bulletin*.

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News: SEI Hosts Cybersecurity Address by DOJ's John P. Carlin

On July 30, the SEI hosted an address delivered by John P. Carlin, assistant attorney general for national security in the U.S. Department of Justice (DOJ). The talk was part of the White House Business Council's [Business Leader Forum](#) and was organized by [Business Forward](#), the [National Cyber-Forensics & Training Alliance](#), the [Pittsburgh Technology Council](#), and [Carnegie Mellon University](#). Members of the audience represented more than 60 Pittsburgh area organizations in industry and education. Also attending were representatives from federal law enforcement agencies, representatives of the sponsoring organizations, and SEI leadership.

John P. Carlin, Assistant Attorney General for National Security

[Learn more about Carlin's address.](#)
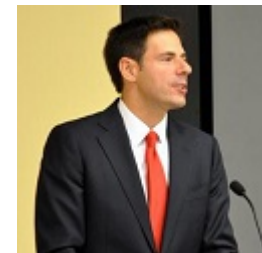
Also in the news:

- [Agile Collaboration Group Spurs Knowledge Sharing](#)
- [Insider Threat Center to Offer New Insider Threat Program Manager Certificate](#)
- [2013 SEI Year in Review Available for Download](#)
- [CERT Guide to Insider Threat Named a Must-Read Cybersecurity Book](#)

SEI Podcast Series: Applying Agile in the DoD: Seventh Principle

In this episode, the seventh in a series by Suzanne Miller and Mary Ann Lapham exploring the application of Agile principles in the Department of Defense, the two researchers discuss the application of the seventh principle: Working software is the primary measure of progress.

Listen to the podcast.

Mary Ann Lapham (top) and Suzanne Miller

SEI Blog: Principles of Big Data Systems: You Can't Manage What You Don't Monitor

The term big data is a subject of much hype in both government and business today. Big data is variously the cause of all existing system problems and, simultaneously, the savior that will lead us to the innovative solutions and business insights of tomorrow. All this hype fuels predictions such as the one from IDC that the market for big data will reach $16.1 billion in 2014, growing six times faster than the overall information technology market, despite the fact that the "benefits of big data are not always clear today," according to IDC. From a software-engineering perspective, however, the challenges of big data are very clear, since they are driven by ever-increasing system scale and complexity. This blog post, a continuation of Gorton's last post on the four principles of building big data systems, describes how we must address one of these challenges, namely, you can't manage what you don't monitor.

Ian Gorton

Read Ian Gorton's post on managing and monitoring big data.

Events: TSP Symposium 2014

The Team Software Process (TSP) Symposium will be held in Pittsburgh, Pennsylvania, November 3-6, 2014.

The TSP Symposium 2014 technical program will go beyond the core methodology of TSP to encompass a broader range of complementary practices that contribute to peak performance on system and software projects. The unifying theme of the conference is quality. Ultimately, a quality product and service must be delivered on time and within budget, be secure, be sustainable, and provide value to end users.

TSP Symposium 2014 will offer 40-minute experience-report presentations, 90-minute participatory sessions, and full-day and half-day tutorials.

In addition to sessions covering the core methodology of TSP, this year the symposium will also address other aspects of long-term sustainable achievement. Specific topics related to software quality may include the following:

- Overcoming obstacles in introducing TSP
- Disciplined measurement practices
- Culture change
- The executive view
- Architecture
- Agile practices
- Testing
- Security
- Personal Software Process (PSP) and TSP in academics

For more information and to register, please visit www.sei.cmu.edu/tspsymposium/2014/.

Events: FloCon 2015

FloCon 2015, the annual network security conference hosted by the SEI's CERT Division, will take place in Portland, Oregon, on January 12-15, 2015, at the Hilton Portland & Executive Tower.

Interested participants are invited to submit abstracts for presentations, posters, and demonstrations pertinent to this year's conference theme, "Formalizing the Art." Submissions should address the art of network analysis and methods for making it more formal, rigorous, reliable, well grounded, or repeatable. In particular, the FloCon committee encourages submissions related to academic advances in novel analytics, operationalization, and automation of well-known techniques.

For more information and to register, please visit www.cert.org/flocon/.

SEI Job Listings

Interested in joining the SEI? Below are a few recent employment opportunities. For more job listings and full position descriptions, check out the SEI Careers page.

Senior Cyber Security Engineer

Project Manager

More job listings...

Training

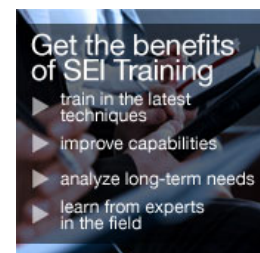**Upcoming Classes:**

September 18-19, 2014 (Pittsburgh, PA):
Software Architecture Design and Analysis

October 7-9, 2014 (Pittsburgh, PA):
Assessing Information Security Risk Using the OCTAVE Approach

SEI eLearning Course:

Data Rights and DoD Acquisition

New Registration Portal
SEI Training has recently upgraded to a robust registration portal. The new portal provides simple and secure online access to course registration payments, a purchase history, confirmation letters, and receipts.

To view a video demo of the new SEI Registration Portal, please visit:
http://www.sei.cmu.edu/training/registration/

More SEI training opportunities...

Software Engineering Institute, Carnegie Mellon University
1-888-201-4479

Join Our Mailing List!

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? Visit our Careers page.