



February 10, 2016 |     | [Careers @ SEI](#)

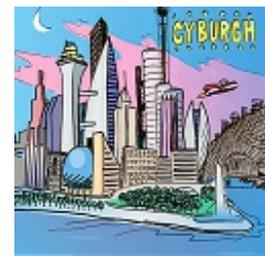
In This Issue

- [More Than 200 Thought Leaders Convene to Spur Pittsburgh's Role as Center for Cybersecurity Innovation](#)
- [CERT Podcast Series: Building Security In Maturity Model \(BSIMM\) - Practices from Seventy-Eight Organizations](#)
- [SEI Blog: Big Data Technology Selection: A Case Study](#)
- [Events: SEI Architecture Technology User Network \(SATURN\) Conference Registration Open](#)
- [SEI Jobs](#)
- [Training Opportunities](#)

News: More Than 200 Thought Leaders Convene to Spur Pittsburgh's Role as Center for Cybersecurity Innovation

Citing the region's seminal role and long history in the field, former Pennsylvania Governor and Secretary of Homeland Security Tom Ridge called Pittsburgh "the tip of the cybersecurity spear." Ridge offered his remarks as keynote speaker for the inaugural Cyburgh, PA Initiative event, which was conducted February 1, 2016 at Carnegie Mellon University (CMU).

The SEI's CERT Division, the Pittsburgh Technology Council (PTC), and CMU organized this event to bring local organizations together to identify shared cybersecurity challenges, barriers to success, needed resources, and solutions. The goal of the initiative is to help organizations use the world-class resources available in Pittsburgh to create a local, collaborative cybersecurity innovation and education center.



[Find out more about the Cyburgh Initiative.](#)

Also in the news:

- [Nominations Open for Linda M. Northrop Software Architecture Award](#)
- [2016 TSP Symposium Eyes "Going Beyond Agile"](#)
- [SEI's Kevin Fall Named ACM Fellow](#)
- [SEI Cybersecurity Expert Joins White House Office of Science and Technology Policy](#)
- [SEI Contract Renewed by Department of Defense for \\$1.73 Billion](#)

CERT Podcast Series: Building Security In Maturity Model (BSIMM) - Practices from Seventy-Eight Organizations

The Building Security In Maturity Model (BSIMM) is the result of a multi-year study of real-world software security initiatives. It is built directly from data observed in 78 software security initiatives from firms in nine market sectors. The best way to use the BSIMM is to compare and contrast your own initiative with the data about what other organizations are doing as described in the model. You can then identify goals and objectives and refer to the BSIMM to determine which additional activities make sense for you.



Gary McGraw

The BSIMM data show that high-maturity initiatives are well rounded-carrying out numerous activities in all 12 of the practices described by the model. The model also describes how mature software security initiatives evolve, change, and improve over time.

In this podcast, Gary McGraw, the Chief Technology Officer for Cigital, discusses the latest version of BSIMM and how to take advantage of observed practices from high-performing organizations.

[Listen to the podcast.](#)

SEI Blog: Big Data Technology Selection: A Case Study

A recent [IDC forecast](#) predicts that the big data technology and services market will realize "a 26.4 percent compound annual growth rate to \$41.5 billion through 2018, or about six times the growth rate of the overall information technology market." In previous posts highlighting the SEI's research in big data, we explored some of the challenges related to the rapidly growing field, which include the need to make technology selections early in the architecture design process. We introduced an approach to help the Department of Defense (DoD) and other enterprises develop and evolve systems to manage big data. The approach, known as Lightweight Evaluation and Architecture Prototyping for Big Data (LEAP4BD), helps organizations reduce risk and streamline selection and acquisition of big data technologies.



John Klein

In this blog post, the SEI's John Klein describes how we used LEAP4BD to help the Interagency Project Office achieve their mission to integrate the health IT systems of the Military Health System and the Veterans Health Administration.

[Read the post](#)

Events: SEI Architecture Technology User Network (SATURN) Conference Registration Now Open

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 at MIT Computer Science and Artificial Intelligence Laboratory
- **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.

The SATURN [Linda M. Northrop Software Architecture Award](#) is given to an individual or team that has used architecture-centric engineering to significantly improve practices in an organization or in the software development community. The Call for Nominations is open until February 29.



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](#).

[Integrated Marketing Campaign Developer](#)

[Senior Technical Writer and Content Strategist](#)

[Machine Learning Research Scientist](#)

[Information Security Analyst](#)

[Windows System Administrator](#)

[Program Development Manager, Government Program Development](#)

[More job listings...](#)

Training

Upcoming Classes:

February 17 - 18, 2016 (Pittsburgh, Pa.)

[Software Architecture Design and Analysis](#)

March 7 - 11, 2016 (Pittsburgh, Pa.)

[Personal Software Process \(PSP\) Fundamentals](#)



2016 Course Schedule

[January-June course offerings](#)

Registration Portal

SEI Training has a robust registration portal that provides simple and secure online access to course registration payments, a purchase history, confirmation letters, and receipts.

To view a video demo of the 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!](#)

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