



# SEI BULLETIN

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## News: SATURN 2016 Draws Record Attendance

The Software Engineering Institute (SEI) hosted its twelfth annual SEI Architecture Technology User Network (SATURN) Conference on May 2 through May 5 in San Diego, California. The conference attracted the highest attendance in the history of the event, drawing attendees from 20 countries and 126 organizations. Participants shared ideas, insights, and experiences about effective software architecture practices for developing and maintaining software-intensive systems.



"I believe that one of SATURN's greatest strengths is a focus on architectural thinking, through the application of the latest tools," said attendee Patrick Kua, technical principle consultant for ThoughtWorks. "Unlike some other conferences, I felt like the program tried to assemble a good collection of experience reports and presentations that emphasized the architectural principles, rather than focusing on the current tools."

[Learn more about SATURN 2016.](#)

Also in the news:

- [13th SEI Software Engineering Workshop for Educators Expands Scope](#)
- [CERT Guide to Insider Threats Named to Cybersecurity Canon](#)
- [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](#)

## SEI Podcast Series: Threat Modeling and the Internet of Things

Threat modeling, which has been popularized by Microsoft in the last decade, provides vulnerability analysts a means to analyze a system, identify various attack surfaces, and use that knowledge to bolster a system against vulnerabilities. A manufacturer that has been making products for more than 50 years knows what its products do. But what changes about a product when the manufacturer embeds a network connection in it? Manufacturers who are new to Internet connectivity now must consider vulnerabilities such as debug ports left turned on and default passwords. Computer security must become part of safety testing for these products.



In this podcast, Art Manion and Allen Householder of SEI CERT Division's Vulnerability Analysis team talk about threat modeling and its use in improving security of the Internet of Things.



Allen Householder

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

## CERT/CC Blog: When Is a Vulnerability a Safety Issue?

The CERT/CC has been researching vulnerabilities in connected vehicles. When the CERT/CC began its research, it became clear that in the realm of cyber-physical systems, safety is king. For regulators, manufacturers, and the consumer, we all want (and expect) the same thing: a safe vehicle to drive. But what does *safety* mean in the context of security?

The SEI CERT Division's Christopher King explores this question in the latest CERT/CC Blog post.

[Read the post.](#)



Christopher King

## Events: 13th SEI Software Engineering Workshop for Educators

Building on the twelve-year success of the Architecture-Centric Engineering Workshops for Educators (ACE), the SEI will this year expand the workshop's scope to embrace the entire field of software engineering. To reflect this growth, the event is now called the SEI Software Engineering Workshop for Educators. The SEI will host the workshop from August 2 to 4, 2016, at its Pittsburgh, Pennsylvania, headquarters. The workshop fosters an exchange of ideas among educators whose curricula include the subjects spanning software engineering. The three-day workshop will feature two days of SEI courses.



This year's courses cover big data and service-oriented architecture design. Day 3 is devoted to invited talks and group sessions, facilitated by SEI team members, where participants share experiences, ideas, and tangible artifacts for introducing software engineering topics into the college curriculum.

The workshop is open to any accredited, college-level educator. In lieu of an entry fee, attendees are expected to bring a shareable artifact to the workshop.

[Learn more about the 13th Software Engineering Educators workshop and register.](#)

## 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](#).

[Security Engineer](#)

[Senior Computer Security Information Analyst](#)

[Senior Software Systems Engineer](#)

[International Cybersecurity Analyst](#)



[More job listings...](#)

## Training Opportunities

### Upcoming Classes:

**July 14, 2016 (Arlington, Va.)**

[Vulnerability Response Capability Development](#)

**July 20 - 21, 2016 (Pittsburgh, Pa.)**

[Design Guidelines and Patterns for Modern SOA](#)



### 2016 Course Schedule

[All 2016 Courses](#)

**Software Engineering Institute, Carnegie Mellon University**

1-888-201-4479

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### 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.