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News: SEI Architecture Technology User Network (SATURN) Conference Announces Call for Submissions

The 12th SEI Architecture Technology User Network (SATURN) Conference 2016 Call for Submissions is now open. SATURN 2016 will be held at the Sheraton San Diego Hotel & Marina in San Diego, California, May 2-5, 2016.

SATURN 2016 will feature the Internet of Things (IoT) as a theme for one of its four tracks. This theme is intended to inspire the SATURN architecture community to cut through the hype and discuss real architecture challenges and solutions to building IoT reference architectures, products, and services. In addition to the IoT track, this year's technical program offers tracks for Architecture Methods and Design Patterns, Technology and Tools, and Leadership and Business. Proposals must be submitted no later than January 15, 2016.



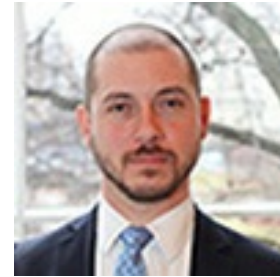
[Learn more about the Call for Submissions.](#)

Also in the news:

- [Software Solutions Conference Keynote Speakers Announced](#)
- [SEI Hosts 12th Annual ACE Workshop for Educators](#)
- [CERT Division Hosts High School Cybersecurity Competition](#)
- [SEI Contract Renewed by Department of Defense for \\$1.73 Billion](#)
- [SEI Hosts Crisis Simulation Exercise for Cyber Intelligence Research Consortium](#)

CERT Podcast Series: How the University of Pittsburgh Is Using the NIST Cybersecurity Framework

In this podcast, Sean Sweeney, information security officer for the University of Pittsburgh, discusses Pitt's use of the National Institute of Standards and Technology (NIST) Cybersecurity Framework (CSF). The University of Pittsburgh is a large, decentralized institution with a diverse population of networks and information types. The challenge of balancing academic freedom with security and protection of research data is put to the test every day.



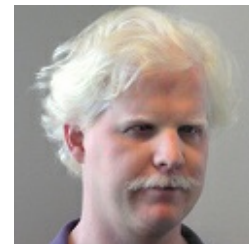
Sean Sweeney, ISO,
University of Pittsburgh

The use of the CSF as a common starting point for improving the cybersecurity of critical infrastructure providers has proven valuable to help Pitt understand its baseline security posture, prioritize gaps, and set a target profile for improvement. The flexibility of the five NIST CSF categories (Identify, Protect, Detect, Respond, Recover) provides a solid starting point from which to understand the information security practices that are already in place at Pitt and the practices that are needed to improve the overall program.

[Listen to the podcast.](#)

SEI Blog: Is Java More Secure than C?

Whether Java is more secure than C is a simple question to ask but a hard question to answer well. When we began writing the [SEI CERT Oracle Coding Standard for Java](#), we thought that Java would require fewer secure coding rules than the [SEI CERT C Coding Standard](#) because Java was designed with security in mind. We naively assumed that a more secure language would need fewer rules than a less secure one. However, Java has 168 coding rules compared to just 116 for C. Why? Was our (admittedly simplistic) assumption completely spurious? Are there problems with our C or Java rules? Or are Java programs, on average, just as susceptible to vulnerabilities as C programs?



David Svoboda

In this post, the SEI CERT Division's David Svoboda analyzes the CERT rules for both C and Java to determine if they indeed refute the conventional wisdom that Java is more secure than C.

[Read the post.](#)

Events: Software Solutions Conference, November 16-18, 2015

On November 16-18, 2015, the Carnegie Mellon Software Engineering Institute (SEI) will host its first Software Solutions Conference (SSC) in Crystal City, Va. The conference is designed to increase attendees' awareness of emerging technologies and technical strategies for assuring quality, timeliness, trust, and affordability in current and future software-reliant systems.



The keynote speakers are

- **David Duma**, Principal Deputy Director, Operational Test and Evaluation, U.S. Department of

Defense

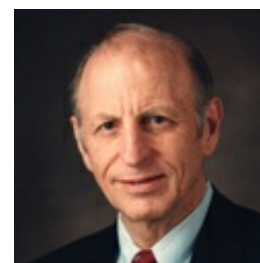
- **Arun Seraphin**, Professional Staff Member, Senate Armed Services Committee
- **Philip Koopman**, Associate Professor of Electrical and Computer Engineering, Carnegie Mellon University
- **Tim Rudolph**, Chief Technology Officer, Air Force Life Cycle Management Center
- **Kevin Fall**, Chief Technology Officer, Carnegie Mellon University Software Engineering Institute

In addition to talks by leading experts in the field of software engineering, the conference will provide a forum for networking and participation outside of formal sessions and for influencing the SEI research agenda.

[Learn more and register.](#)

Events: Nominations Sought for 2016 IEEE/SEI Watts S. Humphrey Award

Nominations are now open for the 2016 IEEE Computer Society/SEI Watts S. Humphrey Software Process Award (SPA). Since 1994, the SEI and the Institute of Electrical and Electronics Engineers (IEEE) Computer Society have cosponsored the award, which recognizes outstanding achievements in improving an organization's ability to create and evolve high-quality software-dependent systems.



Watts Humphrey

Nominations must be submitted by October 15, 2015.

Achievements recognized by the Watts S. Humphrey Award can be the result of any type of process-improvement activity. They need not have been based on a specific framework, model, or body of software engineering principles, practices, techniques, or methods.

[Read more and learn how to submit your nomination.](#)

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](#).

[Technical Team Lead - Enterprise Threat and Vulnerability Management Team](#)

[Cyber Operations Trainer](#)

[Associate Cybersecurity Researcher](#)

[Cybersecurity Engineer - Exercise Developer](#)

[More job listings...](#)

Training

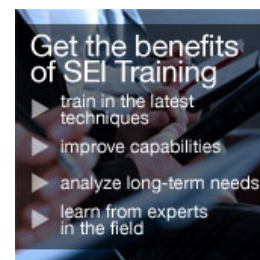
Upcoming Classes:

October 22-23, 2015 (Pittsburgh, Pa.)

[Advanced Software Architecture Workshop](#)

October 27-29, 2015 (Arlington, Va.)

[Introduction to the CERT Resilience Management Model](#)



SEI eLearning:

[Big Data: Architectures and Technologies](#)

New Course: December 1-2 (Arlington, Va.)

[Measuring What Matters: Security Metrics Workshop](#)

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

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