

SEI Bulletin

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Secure Software by Design Event Agenda Announced

June 7, 2023—The CERT Division of the SEI recently announced the agenda for Secure Software by Design, a two-day live, in-person event on June 12 and 13 at the SEI's Arlington, Virginia, location. Presentations will cover memory-safe languages, secure infrastructure, zero trust, machine-learning systems, and more.

The event will promote making security an integral aspect of the entire software lifecycle as a result of following deliberate, intentional engineering processes rather than addressing security in individual stages as one-off activities. Greg Touhill, director of the SEI's CERT Division, and Joseph Bradley, executive director of the Cyber Resiliency Office for Weapon Systems (CROWS) in the U.S. Air Force, will deliver keynote addresses.

[Read more »](#)

[Register for the event »](#)



[DevSecOps Days Pittsburgh 2023 Presentations Now Available](#)

The slides, graphic recordings, and videos cover many aspects of integrating security into DevOps practices.

[Workshop Will Advance the Strategy for U.S. Leadership in Software and AI Engineering](#)

The workshop will explore the fundamental research needed to support progress in these critical domains.

[**See more news »**](#)



[Detecting and Grouping Malware Using Section Hashes](#)

Timur Snoke and Michael Jacobs explain how to take a collection of known malware files and use their section hashes to identify and analyze other candidate files in a malware repository.

[Join the SEI and White House OSTP to Explore the Future of Software and AI Engineering](#)

The SEI and the White House OSTP will co-host a workshop to inform a community strategy for building and maintaining U.S. leadership in software engineering and artificial intelligence (AI) engineering.

[**See more blogs »**](#)



[We Live in Software: Engineering Societal-Scale Systems](#)

John Robert and Forrest Shull discuss issues that must be considered when engineering societal-scale systems.

[Secure by Design, Secure by Default](#)

Gregory J. Touhill, director of the SEI CERT Division, talks with Suzanne Miller about secure by design, secure by default, a longstanding tenet of the work of the SEI and the CERT Division in particular.

[**See more podcasts »**](#)



[**Latest Publications**](#)

[You Can't Wait for ROI to Justify Model-Based Design and Analysis for Cyber Physical Systems' Embedded Computing Resources](#)

This paper and its related [presentation](#) propose an alternative approach to ROI for justifying the cost of building architectural models of embedded computing resources for cyber-physical systems.

[Securing UEFI: An Underpinning Technology for Computing](#)

This paper highlights the technical efforts to secure the UEFI-based firmware that serves as a foundational piece of modern computing environments.

[Using Model-Based Systems Engineering \(MBSE\) to Assure a DevSecOps Pipeline is Sufficiently Secure](#)

This report describes how analysts can use an MBSE approach to detect and mitigate cybersecurity risks to a DevSecOps pipeline.

[**See more publications »**](#)



[**Latest Videos**](#)

[Develop a Standard Protocol for Access Decisions in Zero Trust](#)

Trista Polaski highlights the importance of developing a standard protocol for access decisions in zero trust.

[Top 5 Challenges to Overcome on Your DevSecOps Journey](#)

Hasan Yasar and Joe Yankel discuss the top five challenges and barriers to implementing DevSecOps practices.



Upcoming Events

[Secure Software by Design](#), June 12-13

This in-person event in the SEI's Arlington, Va., location promotes making security an integral aspect of the entire software lifecycle.

[U.S. Leadership in Software Engineering & AI Engineering: Critical Needs & Priorities](#), June 20-21

The workshop in Alexandria, Va., will explore the fundamental research needed to support progress in these critical domains.

Webcast - [INtersect: Where DoD, Academia and Industry Meet](#), June 28
Matthew Butkovic and Lauren McIlvenny explore the domains of malicious code analysis and threat intelligence.

[See more events »](#)



Upcoming Appearances

[AFA Air, Space & Cyber Conference 2023](#), September 11-13

Visit the SEI at booth #231 in the exhibitor hall.

[InfoSec World 2023](#), September 25-27

See the keynote address by Greg Touhill, director of the SEI's CERT Division.

[See more opportunities to engage with us »](#)



Upcoming Training

[Foundations of Incident Management](#)

August 22-25 (SEI Pittsburgh, Pa.)

[OCTAVE FORTE: Connecting the Board Room to Cyber Risk](#)

September 19-20 (SEI Arlington, Va.)

[See more courses »](#)

 [Employment Opportunities](#)

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