SEI Bulletin

Advancing the Strategy for U.S. Leadership in Software and AI Engineering

May 24, 2023—The SEI and the Networking and Information Technology Research and Development program in the White House Office of Science and Technology Policy will co-host an upcoming workshop to inform a community strategy for building and maintaining U.S. leadership in software engineering and artificial intelligence (AI) engineering. The workshop will be held in person in Alexandria, Virginia, on June 20 and 21. Registration for the event closes June 16.

The event will gather thought leaders from federal research funding agencies, research laboratories, and mission agencies, as well as relevant commercial organizations, to explore the fundamental research needed to support progress.

Read more »

SEI News

Software Engineering Workshop for Educators Returns for 20th Anniversary

The event will feature programming on cyber forensics, incident response, experiential learning, supporting neurodivergent students, and the workshop's history.

See more news »

Latest Blogs

How Can Causal Learning Help to Control Costs?

Michael Konrad describes how to apply causal-modeling algorithms and tools to project data to identify, measure, and test causality.

The Challenge of Adversarial Machine Learning

Matthew Churilla, Nathan VanHoudnos, and Robert Beveridge examine how machine-learning systems can be subverted through adversarial machine learning, the motivations of adversaries, and what researchers are doing to mitigate their attacks.

See more blogs »

Latest Podcasts

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.

Key Steps to Integrate Secure by Design into Acquisition and Development

Robert Schiela and Carol Woody discuss the importance of integrating the practices and mindset of secure by design into the acquisition and development of software-reliant systems.

Latest Publications

DevSecOps Days Pittsburgh 2023

These presentations and graphic recordings are from the recent conference helping to educate, evolve, and explore concepts around developing security as code.

Program Managers—The DevSecOps Pipeline Can Provide Actionable Data

This paper describes the Automated Continuous Estimation for a Pipeline of Pipelines research project, which automates data collection to track program progress.

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

INtersect: Where DoD, Academia, and Industry Meet, May 24

Matthew Butkovic interviews Craig Lewis, director of SEI computing, about his role in establishing operating guidelines and network infrastructure best practices for information technology services.

[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.

[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

[Software Architecture Design and Analysis](#)
June 5-8 (SEI Live Online)

[OCTAVE FORTE: Connecting the Board Room to Cyber Risk](#)
September 19-20 (SEI Arlington, Va.)

[See more courses »](#)

Employment Opportunities

[Reverse Engineer Researcher](#)

[Senior Software Developer](#)

[Associate AI Workforce Development Engineer](#)

All current opportunities »

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