

SEI Bulletin

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2022 Research Review Videos and Presentations Available

November 23, 2022—The SEI showcased its latest work in software engineering, cybersecurity, and artificial intelligence (AI) engineering in the 2022 Research Review this month. Sixteen presentations, as well as videos of the three-day event are now available in the SEI's Digital Library.

On November 14, 15, and 16, the SEI's technical staff gave in-depth presentations on some of the institute's latest methods, prototypes, and tools for AI engineering, DevSecOps, computing at the tactical edge, cyber threat hunting, continuous integration and continuous delivery, machine learning trustworthiness, and more.

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[SEI News](#)

[DevSecOps Platform-Independent Model Receives Major Update](#)

New features bolster cybersecurity, personnel modeling, and DevSecOps flow.

[Touhill Receives Award for Lifetime of Service](#)

Gregory J. Touhill, director of the SEI CERT Division, recently was recognized for his service to the country.

[FloCon 2023 Registration Opens for January In-Person Event](#)

FloCon 2023's academic, industrial, and government speakers on using data to defend enterprise networks will gather in Santa Fe, New Mexico.

[**See more news »**](#)



[**Latest Blogs**](#)

[Modeling Languages for Model-Based Systems Engineering.\(MBSE\)](#)

John McGregor and Sholom Cohen summarize the benefits, practices, and tools for using a modeling language and compare the capabilities of SysML and AADL for use in model-based systems engineering (MBSE).

[MXNet: A Growing Deep Learning Framework](#)

Jeffrey Mellon discusses MXNet, Apache's open source spin on a deep-learning framework that supports building and training models in multiple languages, including Python, R, Scala, Julia, Java, Perl, and C++.

[Writing Ansible Roles with Confidence](#)

Matthew Heckathorn provides guidance on how best to begin developing Ansible roles with confidence that they will work as intended.

[**See more blogs »**](#)



[**Latest Podcasts**](#)

[A Method for Assessing Cloud Adoption Risks](#)

Chris Alberts discusses with Suzanne Miller a prototype set of cloud adoption risk factors and describes a method that managers can employ to assess their cloud initiatives against these risk factors.

[Software Architecture Patterns for Deployability](#)

Rick Kazman talks with Suzanne Miller about using patterns for software deployability.

[A Roadmap for Creating and Using Virtual Prototyping Software](#)

Douglass Post and Richard Kendall discuss their experiences applying virtual prototyping in Computational Research and Engineering Acquisition Tools and Environments (CREATE).

[**See more podcasts »**](#)



[**Latest Publications**](#)

[CMU SEI Research Review 2022](#)

This collection includes presentations, booklets, and videos from all three days of the 2022 SEI Research Review event.

[Acquisition Security Framework \(ASF\): Managing Systems Cybersecurity Risk](#)

This report overviews the Acquisition Security Framework (ASF), a description of the practices developed thus far, and a plan for completing the ASF body of work.

[**See more publications »**](#)



[**Latest Videos**](#)

[CMU SEI Research Review 2022 Day 1 Video](#)

Presentations from Day 1 of the 2022 SEI Research Review event.

[CMU SEI Research Review 2022 Day 2 Video](#)

Presentations from Day 2 of the 2022 SEI Research Review event.

[CMU SEI Research Review 2022 Day 3 Video](#)

Presentations from Day 3 of the 2022 SEI Research Review event.



Upcoming Events

Webcast - [Finding Your Way with Software Engineering Buzzwords](#)

In this webcast, Hasan Yasar discusses the new technologies and buzzwords required to implement a complete software delivery pipeline.

Conference - [FloCon 2023](#), January 9-12, 2023

The SEI's conference on using data to defend enterprise networks returns in person.

[See more events »](#)



Upcoming Training

[Cybersecurity Oversight for the Business Executive](#)

January 18-19, 2023 (SEI, Live Online)

[Software Architecture: Principles and Practices](#)

January 23-26, 2023 (SEI, Live Online)

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