SEI Bulletin

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2024 SEI Research Review Crafts Connections

November 6, 2024—The SEI recently announced the agenda for its 2024 Research Review. The annual event showcases SEI research and development projects from the past year. It will be held in person in Pittsburgh, Pennsylvania, on Wednesday, November 13. Attendance at this free event is limited, and registration is required.

This year's theme, *Crafting Connections*, highlights the SEI's collaborative research to address the capability, timeliness, affordability, and trustworthiness of software for national defense and security.

Presentations will detail some of the SEI's most forward-leaning work in artificial intelligence, malicious code detection, rapid certification, modeling, and assurance.

Read more »

Register to attend »

SEI News

SEI Director and CEO Paul Nielsen Receives 2024 Cyber Security Hall of Fame Honor
Nielsen joins six other cybersecurity leaders in technology, business, education, government, and innovation as a 2024 honoree.

New SEI Tool Enhances Machine Learning Model Test and Evaluation
Machine Learning Test and Evaluation version 1.0 applies software engineering best practices to ensure ML model development results in production-ready ML models.

See more news »

Latest Blogs

Introduction to MLOps: Bridging Machine Learning and Operations
Machine learning operations (MLOps) has emerged as a critical discipline in artificial intelligence and data science. Daniel DeCapria introduces MLOps and its applications.

A Framework for Detection in an Era of Rising Deepfakes
Matthew Walsh details the evolving deepfake landscape and introduces a framework for detection.

See more blogs »

Latest Podcasts

Cybersecurity Metrics: Protecting Data and Understanding Threats
Scoping down objectives and determining what kinds of data to gather are persistent challenges in cybersecurity. Bill Nichols explores cyber metrics in our latest podcast.

3 Key Elements for Designing Secure Systems
To make secure software by design a reality, engineers must intentionally build security throughout the software development lifecycle. Timothy A. Chick discusses building, designing, and operating secure systems.

See more podcasts »

Latest Videos

Cyber Challenges in Health Care: Managing for Operational Resilience
Matthew Butkovic and Darrell Keeling explore approaches to maximize return on cybersecurity investment in the health-care context.

Independent Verification and Validation for Agile Projects
Justin Smith highlights a novel approach to providing independent verification and validation (IV&V) for projects that are using an Agile or iterative software development.

See more videos »

Latest Publications

Self-Assessment in Training and Exercise
This report introduces an approach to performance evaluation in team-based cyber warfare exercises that focuses on self-assessment.

Positive Deterrence for Reducing Insider Threat Collection
This collection contains materials related to the SEI's research on organizations' use of positive deterrence to reduce the risk of insider activity.

See more publications »

Upcoming Events

CMU SEI Research Review 2024, November 13
Research Review 2024 spotlights recent, innovative research projects through a mix of technical presentations and conversations among SEI subject matter experts and their collaborators working in sponsor, customer, and academic organizations.

FloCon 2025, March 4, 2025
FloCon is the SEI's annual conference on data-driven security.

See more events »

Upcoming Training

Cybersecurity Oversight for the Business Executive
January 15-16, 2025 (SEI Live Online)

Insider Threat Program Manager: Implementation and Operation
January 22-24, 2025 (SEI Live Online)

See more courses »

Employment Opportunities

AI Vulnerability Researcher

Embedded Software Engineer

Sr. Software Developer

All current opportunities »

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