

SEI Bulletin

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Registration Opens for 2021 SEI Research Review

September 15, 2021 — Registration is now open for the 2021 Carnegie Mellon University [Software Engineering Institute \(SEI\) Research Review](#), a free virtual event scheduled to take place daily from November 8-10. This is the first time the event is open to registration by the general public. Each day's events will start at 11:00 a.m. and end no later than 4:00 p.m. EST.

The theme for the 2021 SEI Research Review is “inspire. integrate. innovate. the collaboration effect.” SEI researchers will provide in-depth discussions of recent, high-impact, DoD-line-funded fundamental research that improves the state of the art and practice in software engineering, cybersecurity, and artificial intelligence (AI) engineering.

[Read more »](#)

[Register to attend the Research Review »](#)



[Educators Meet to Share the Latest in Software Engineering](#)

Participants of the Software Engineering Workshop for Educators met virtually to exchange knowledge on AI, blockchain, and the post-COVID classroom.

[CERT Insider Risk Management Symposium 2021 to Explore Balanced Approaches to Insider Risk](#)

The eighth annual event will be held virtually September 28 and 29. [Watch the video of the related September 8 webcast.](#)

[2021 President's Cup to Find Top Federal Cyber Talent](#)

Registration for the SEI-supported competition, which begins mid-September, is now open for U.S. government cybersecurity professionals.

[**See more news »**](#)



[Introducing CERT Kaiju: Malware Analysis Tools for Ghidra](#)

Garret Wassermann and Jeffrey Gennari discuss new malware analysis and reverse engineering tools.

[The Latest Work from the SEI](#)

Douglas Schmidt highlights the latest work from the SEI in coordinated vulnerability disclosure, cyber risk and resilience management, automation, the science of cybersecurity, and diversity in software engineering.

[5 Ways to Start Growing an AI-Ready Workforce](#)

Rachel Dzombak and Jay Palat outline five factors that are critical for organizations and leaders to consider as they grow an AI-ready workforce.

[**See more blogs »**](#)



Latest Podcasts

[Agile Strategic Planning: Concepts and Methods for Success](#)

Linda Parker Gates and Suzanne Miller discuss the principles of Agile strategic planning and methods for success.

[Applying Scientific Methods in Cybersecurity](#)

Leigh Metcalf and Jonathan Spring discuss the application of scientific methods to cybersecurity, a subject of their recently published book, Using Science in Cybersecurity.

[Zero Trust Adoption: Benefits, Applications, and Resources](#)

Geoff Sanders discusses zero trust adoption and its benefits, applications, and available resources.

[See more podcasts »](#)



Latest Publications

[DevSecOps Days Los Angeles 2021](#)

These presentations were given virtually at DevSecOps Days Los Angeles, September 15.

[Cloud Security Best Practices Derived from Mission Thread Analysis](#)

This report presents practices for secure, effective use of cloud computing and risk reduction in transitioning applications and data to the cloud and considers the needs of limited-resource businesses.

[Accenture: An Automation Maturity Journey](#)

This technical report describes work in automation that netted Accenture the 2021 Watts Humphrey Software Process Achievement Award.

[See more publications »](#)



Latest Videos

[ACVIP Perspective on AADL](#)

This training video reviews the Architecture Centric Virtual Integration Process (ACVIP) for model creators and model users.

[Balanced Approaches to Insider Risk Management](#)

Randy Trzeciak and Dan Costa provide an overview of the ongoing research in this area and answer questions about how the threat landscape continues to evolve and what organizations can and should do to address insider threats.

[Test Suites as a Source of Training Data for Static Analysis Classifiers](#)

This video by Lori Flynn was recorded as part of the International Conference on Automation of Software Test AST 2021 (co-located with ICSE).



[Upcoming Events](#)

[AI Engineering: Ask Us Anything About Building AI Better](#), September 22

In this webcast, Rachel Dzombak and Matt Gaston take your questions and discuss what is needed to create, deploy, and maintain AI systems we can trust.

[CERT Insider Risk Management Symposium 2021](#), September 28-29

Join us to hear about the latest challenges and best practices in insider risk management from recognized leaders in insider threat research and development.

[AI World Government 2021](#), October 18-19

SEI experts will participate in this two-day forum to educate federal agency leaders on proven strategies and tactics to deploy AI and cognitive technologies.

[CMU SEI Research Review 2021](#), November 8-10

This free, virtual event spotlights recent, innovative SEI research projects through technical presentations and conversations among SEI subject matter experts and their collaborators.

Note: The SEI is evaluating all upcoming courses, conferences, and events case-by-case in light of COVID-19 developments. Check individual event pages for the latest

information.

[See more events »](#)



Upcoming Training

[Documenting Software Architectures](#)

October 26-29, 2021 (SEI, Live Online)

[Foundations of Incident Management](#)

December 6-9, 2021 (SEI, Live Online)

[Insider Threat Analyst](#)

December 7-9, 2021 (SEI, Live Online)

Note: The SEI is evaluating all upcoming courses, conferences, and events case-by-case in light of COVID-19 developments. Check individual training pages for the latest information. You may also contact us at courseregistration@sei.cmu.edu or +1-412-268-7388.

[See more courses, including live-online and eLearning offerings »](#)



Employment Opportunities

[Assistant Security Researcher](#)

[Senior Research Scientist - Advanced Computing](#)

[Senior Cybersecurity Engineer](#)

[All current opportunities »](#)

Carnegie Mellon University

Software Engineering Institute



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