

# SEI Bulletin

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## SEI Supports Cybersecurity Awareness Month

**September 29, 2021** — The SEI will support the upcoming [Cybersecurity Awareness Month](#) with free webcasts. Every October, the Cybersecurity and Infrastructure Security Agency (CISA) raises awareness about the importance of cybersecurity across the nation. To help spread the word next month, the SEI's CERT Division will highlight some of its cybersecurity research and development by presenting free webcasts:

- [Zero Trust Journey](#), October 7
- [CRO Success Factors in the Age of COVID](#), October 21
- [A Cybersecurity Engineering Strategy for DevSecOps](#), October 27

Register for the webcasts, and keep an eye on our website for more cybersecurity-related events from the SEI. Also watch for new cybersecurity blog posts, like our recently published entries on system resilience over time and malware analysis tools for Ghidra.

[See all upcoming SEI events »](#)

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### [Registration Opens for 2021 SEI Research Review](#)

Registration is now open for the 2021 Carnegie Mellon University Software Engineering Institute (SEI) Research Review, a free virtual event November 8-10.

### [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 was held virtually September 28 and 29. [Watch the video of the related September 8 webcast.](#)

[See more news »](#)

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### [System End-of-Life Planning: Designing Systems for Maximum Resiliency Over Time](#)

Grant Deffenbaugh and Lyndsi Hughes discuss how deployment plans for computing environments must account for hardware replacements and decommissions even though they may not occur for years.

### [Systems Engineering and Software Engineering: Collaborating for the Smart Systems of the Future](#)

Paul Nielsen explains how convergence between systems engineering and software engineering is forging new practices for engineering the smart systems of the future.

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

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

[See more blogs »](#)

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## [Latest Podcasts](#)

### [My Story in Computing with Rachel Dzombak](#)

Rachel Dzombak discusses the journey that led to her current leadership role at the SEI as digital transformation lead in AI engineering.

### [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.

[See more podcasts »](#)

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## [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 »](#)

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## Latest Videos

Webcast - [The Future of AI: Scaling AI Through AI Engineering](#)

The SEI's Matt Gaston interviews Steve Chien, of the National Security Commission on AI and Jet Propulsion Laboratory, and Jane Pinelis, of the DoD Joint AI Center, on scaling AI.

Webcast - [AI Engineering: Ask Us Anything About Building AI Better](#)

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

[ACVIP Perspective on AADL](#)

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

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## Upcoming Events

Webcast - [Zero Trust Journey](#), October 7

Geoffrey Sanders and Tim Morrow discuss the purpose of and how to think about Zero Trust Architecture transition.

Webcast - [CRO Success Factors in the Age of COVID](#), October 21

Experts will discuss the critical factors for risk executives to be successful and protect critical assets.

[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.

Webcast - [A Cybersecurity Engineering Strategy for DevSecOps](#), October 27

Carol Woody and Rita Creel present a strategy for cybersecurity engineering in DevSecOps environments.

[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 »\*\*](#)

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## [\*\*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](mailto:courseregistration@sei.cmu.edu) or +1-412-268-7388.

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

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## [\*\*Employment Opportunities\*\*](#)

[Senior Software Acquisition Innovation Specialist](#)

[Associate Software Researcher](#)

[Temporary IT Support Associate](#)

[\*\*All current opportunities »\*\*](#)

**Carnegie Mellon University**  
Software Engineering Institute



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