

SEI Bulletin

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2019 SEI Year in Review Highlights Accomplishments in AI, Data Analysis, and More

June 24, 2020 — The [2019 SEI Year in Review](#), the SEI's latest yearbook of research and development projects, is now online. This year's edition showcases more than a dozen projects that pushed the boundaries of fundamental research in software, cybersecurity, and next-generation technology and had direct impact for SEI customers, including the U.S. Air Force, U.S. Army, Defense Innovation Unit, Department of Homeland Security, and the U.S. Office of the Director of National Intelligence.

Download the [2019 SEI Year in Review](#) to learn more about our recent work in artificial intelligence engineering, advanced data analysis, software acquisition policy reform, defense supply chain security, technical debt, and much more.

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[Anita Carleton Named Director of the SEI's Software Solutions Division](#)

The long-serving leader and researcher is advancing a national agenda for software engineering R&D.

[Organizations Must Reset Expectations to Spring Back from Pandemic](#)

The CERT Division's Matt Butkovic predicts how business operations might change after COVID-19.

[FloCon 2021 Invites Abstracts on Using Data to Defend](#)

Submissions to the 16th annual data analysis conference are due August 14.

[See more news »](#)



[Beyond NIST SP 800-171: 20 Additional Practices in CMMC](#)

Andrew Hoover and Katie Stewart take a deeper dive into the 20 CMMC security practices that go beyond NIST SP 800-171.

[Writing and Delivering the Final DevOps Assessment Report: Seventh in a Series](#)

Jose Morales discusses writing and delivering final DevOps assessment reports to clients.

[Kalki: Solution for High Assurance Software-Defined IoT Security](#)

Sebastian Echeverria describes Kalki, an SEI-developed software-defined IoT security platform.

[Help us evaluate upcoming updates to the SEI Blog by chatting with one of our designers.](#)

[See more blogs »](#)



Latest Podcasts

[Challenges to Implementing DevOps in Highly Regulated Environments](#)

Hasan Yasar and Jose Morales discuss challenges to implementing DevOps in highly regulated environment (HREs), exploring issues such as environment parity, the approval process, and compliance.

[The Future of Cyber: Cybercrime](#)

David Hickton, founding director of the University of Pittsburgh Institute for Cyber Law, Policy, and Security, sits down with Bobbie Stempfley, director of the SEI's CERT Division, to talk about the future of cybercrime and secure elections.

[Designing Trustworthy AI](#)

Carol Smith discusses a framework that builds upon the importance of diverse teams and ethical standards to ensure that AI systems are trustworthy and able to effectively augment warfighters.

[See more podcasts »](#)



Latest Publications

[2019 SEI Year in Review](#)

This yearbook highlights the work of the institute undertaken during the fiscal year spanning October 1, 2018, to September 30, 2019. For more on these topics, see the [Resources collection](#).

[A Risk Management Perspective for AI Engineering](#)

This paper describes several steps of OCTAVE FORTE in the context of adopting AI technology.

[CMMC Scoring Fact Sheet](#)

This fact sheet explains the concept of CMMC assessment level scoring.

[See more publications »](#)



Latest Videos

Webinar - [Solving Current Cyber Challenges: Academic and Industry Collaboration](#)

Timothy Shimeall and Timur Snok discuss how academia and industry can collaborate on cybersecurity research and real-world practice.

Webinar - [A Discussion on DoD Software Advances and What's Next from SEI](#)

SEI Chief Technology Officer Tom Longstaff interviews Jeff Boleng, a senior advisor to the U.S. Department of Defense, on recent DoD software advances and accomplishments.

Webinar - [Top 5 Considerations Before Boarding the Container Ship](#)

David Shepard and Aaron Volkmann discuss some of the potential pitfalls of using containers and provide some food for thought to software teams considering embarking on a journey to containers.

[See more videos »](#)



[Upcoming Events](#)

[NatCSIRT 2020](#)

Is your organization responsible for protecting the security of nations, economies, and critical infrastructures? If so, attend NatCSIRT 2020 to discuss these unique challenges with your peers. Discussions will focus on current National CSIRT issues, tools, and methods.

[FloCon 2021](#)

Our theme of *Using Data to Defend* is more critical than ever, given the security challenges of moving customers and vendors online and supporting a remote workforce.

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

[Insider Threat Program Manager: Implementation and Operation](#)

September 15-17, 2020 (SEI, Live Online)

[Insider Threat Program Evaluator](#)

September 22-24, 2020 (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 »](#)



Employment Opportunities

[Machine Learning Engineer](#) - Full Time

[All current opportunities »](#)

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