

SEI Bulletin

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Webcast to Launch National AI Engineering Initiative and Invite Partnership

April 14, 2021 — In a webcast later this month, the SEI will put out a call for researchers, advocates, and co-funders to partner with the [National Artificial Intelligence \(AI\) Engineering Initiative](#) and support the growth and development of a new discipline. The initiative is led by AI experts from the SEI's [Emerging Technology Center \(ETC\)](#), who will define AI engineering, discuss why it matters, and detail opportunities for engagement in a [free webcast on April 21 from 1-2 p.m. ET.](#)

Alongside partners from defense and national security, industry, and universities, the SEI is guiding the creation of a multiyear research and development roadmap to foster development of AI systems that are human-centered, robust and secure, and scalable. “The ultimate objective for the national initiative is to realize the capability of AI for mission outcomes,” said Rachel Dzombak, the ETC’s lead of digital transformation.

[Register for the webcast »](#)

[Read more »](#)



SEI News

[April 21 Webcast to Launch National AI Engineering Initiative and Invite Partnership](#)

SEI experts will discuss establishing and growing an artificial intelligence engineering discipline and why diverse partnership is needed.

[SEI Blog Gets New Look](#)

The blog refresh includes improved user interface and search features.

[SEI Releases AADL/ACVIP User Days 2021 Videos and Presentations](#)

Session recordings and slides about the software architecture analysis tools are now available for free on the SEI's website.

[**See more news »**](#)



Latest Blogs

[Generating Realistic Non-Player Characters for Training Cyberteams](#)

Dustin Updyke and Tyler Brooks describe improving the realism of non-player characters (NPCs) in training exercises with new software ANIMATOR.

[The Latest Work from the SEI: Privacy, Ransomware, Digital Engineering, and the Solar Winds Hack](#)

Doug Schmidt rounds up the latest SEI publications.

[The Current State of DevSecOps Metrics](#)

Bill Nichols talks about how DevSecOps practices can yield valuable information about software performance.

[**See more blogs »**](#)



Latest Podcasts

[Digital Engineering and DevSecOps](#)

David Shepard discusses the relationship between the two approaches.

[A 10-Step Framework for Managing Risk](#)

Brett Tucker outlines OCTAVE FORTE, a 10-step framework to guide organizations in managing risk.

[7 Steps to Engineer Security into Ongoing and Future Container Adoption Efforts](#)

Thomas Scanlon and Richard Laughlin discuss seven steps developers can take to engineer security into ongoing and future container adoption efforts.

[See more podcasts »](#)



Latest Publications

[Attacking COM via Word RTF](#)

This presentation shows how Microsoft Word 2019 on Windows 10 is not too different from the IE6 ActiveX attack surface.

[Modeling and Validating Security and Confidentiality in System Architectures](#)

This report presents an approach for modeling and validating confidentiality using the Bell-LaPadula security model and the Architecture Analysis & Design Language.

[Overview of Practices and Processes of the CMMC Assessment Guides](#)

This paper is intended to help anyone unfamiliar with cybersecurity standards get started with the DoD Cybersecurity Maturity Model Certification (CMMC).

[See more publications »](#)



Latest Videos

[Pathways to Careers in Software](#)

SEI experts describe their jobs and work experiences to teach kids what working in software is like and the skills they need.

Webcast - [Amplifying Your Privacy Program: Strategies for Success](#)

Dan Costa and Carrie Gardner highlight best practices for privacy program planning and implementation.

Webcast - [DevOps Enables Digital Engineering](#)

Hasan Yasar and David Shepard introduce the concept of digital engineering and how they believe DevOps complements/enables it.



Upcoming Events

Webcast - [AI Engineering: The National Initiative for Human-Centered, Robust and Secure, and Scalable AI](#), April 21

Experts from the SEI's Emerging Technology Center will discuss the national initiative for human-centered, robust and secure, and scalable AI.

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](#)

May 18-20, 2021 (SEI, Live Online)

Cybersecurity Oversight for the Business Executive

May 26-27, 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

[Senior Machine Learning Research Scientist](#)

[Senior Machine Learning Researcher](#)

[Software Architecture Researcher](#)

[All current opportunities »](#)

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