

SEI Bulletin

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New Report Recommends Department of Defense Software Advisory Board

July 19, 2023—The National Defense Industrial Association (NDIA) Emerging Technologies Institute (ETI) recently released a report urging the Department of Defense (DoD) to create a software advisory board. The recommendation is one of many in *Coding the Future: Recommendations for Defense Software R&D*. The report summarizes the outcome of an ETI workshop, held in collaboration with the SEI, on software as a modernization priority for the DoD.

“Given the speed and breadth with which software capabilities are advancing, and the amount of private investment pushing developments, DoD needs a routine touchstone to help it better understand and assess if they have their investment strategy ‘about right,’” wrote the report's authors.

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SEI News

[FloCon 2024 Seeks Presentations on Situational Awareness Beyond the Network](#)

The conference on using data to defend enterprise networks will take place in Mobile, Alabama, next January.

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Latest Blogs

[Contextualizing End-User Needs: How to Measure the Trustworthiness of an AI System](#)

Carrie Gardner, Katherine-Marie Robinson, Carol Smith, and Alexandria Steiner explore leading research and lessons on measuring trustworthiness of AI so warfighters and end users can realize promised outcomes.

[The Seven Virtues of Reconciling Agile and Earned Value Management \(EVM\)](#)

Stephen Wilson, Patrick Place, and Keith Korzec discuss the interactions between Agile software development and earned value management.

[The Latest Work from the SEI: Rust, DevSecOps, AI, and Penetration Testing](#)

Doug Schmidt presents the SEI's latest work in penetration testing, model-based design for cyber-physical systems, UEFI, and DevSecOps.

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Latest Podcasts

[Automating Infrastructure as Code with Ansible and Molecule](#)

Matthew Heckathorn offers guidance for systems engineers, system

administrators, and others on developing Ansible roles and automating infrastructure as code.

[Identifying and Preventing the Next SolarWinds](#)

Gregory J. Touhill, director of the SEI CERT Division, talks with Suzanne Miller about the 2020 attack on SolarWinds software and how to prevent another major attack on key systems that are in widespread use.

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[**Latest Publications**](#)

[Coding the Future: Recommendations for Defense Software R&D](#)

This report outlines the key recommendations from the November 2022 workshop "Software as a Modernization Priority."

[Software Excellence Through the Agile High Velocity DevelopmentSM Process](#)

The High Velocity DevelopmentSM process earned Ishpi Information Technologies, Inc. the 2023 Watts Humphrey Software Quality Award.

[SCALE Software](#)

As part of research on modular static analysis classification and prioritization for optional use in a continuous integration (CI) system, many features have been added to SCALE, the SEI's static analysis aggregation framework.

[**See more publications »**](#)



[**Latest Videos**](#)

[Research Services High Tea 2023](#)

The event featured speakers from Carnegie Mellon University Libraries and the SEI discussing ways to lead the nation in advancing cybersecurity.



Upcoming Events

Webcast - [Will Rust Solve Software Security?](#) July 26

David Svoboda and Joe Sible will evaluate the Rust programming language from a cybersecurity perspective.

Webcast - [What's Wrong with ROI for Model-Based Analysis of Cyber-Physical Systems?](#) August 9

Fred Schenker and Linda Parker Gates discuss the benefits of using a model-based approach to improve the design of a CPS' embedded computing resources.

[DevSecOps Days Washington D.C. 2023](#), October 12

At this free, SEI-hosted event, learn how to integrate security into your DevOps practices and transform your DevSecOps journey.

[See more events »](#)



Upcoming Appearances

[AFA Air, Space & Cyber Conference 2023](#), September 11-13

Visit the SEI at booth #231 in the exhibitor hall.

[InfoSec World 2023](#), September 25-27

See the SEI's Randy Trzeciak, Tom Scanlon, Hasan Yasar, Tim Chick, and Mark Sherman.

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Upcoming Training

[Foundations of Incident Management](#)

August 22-25 (SEI Pittsburgh, Pa.)

[Designing Modern Service-Based Systems](#)

October 17, 2023 (SEI Live Online)

[Design Guidelines and Patterns for Microservices](#)

October 24-27, 2023 (SEI Live Online)

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