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Carnegie Mellon University Software Engineering Institute



SEI Bulletin — January 22, 2020

CTO Tom Longstaff Talks AI Engineering at the SEI

In the new Cyber Talk video "[SEI Artificial Intelligence Engineering Roadmap](#)," the SEI's chief technology officer, Tom Longstaff, sits down with Rotem Guttman, a cybersecurity exercise developer and trainer in the SEI's CERT Division, to discuss the institute's efforts to create an engineering discipline for artificial intelligence (AI).

"If you're going to take advantage of the world of artificial intelligence or machine learning, or ever get any progress in that," says Longstaff in the video, "then you have to have an engineering discipline in creating these tools so you can build them, you can trust them, and you can defend them."

AI engineering will also speed development of AI capabilities into field-ready tools for the warfighter, says Longstaff.

In the new Cyber Talk video, Longstaff and Guttman cover the opportunities expected and challenges foreseen in integrating the promise of AI technology with the needs of the Department of Defense.

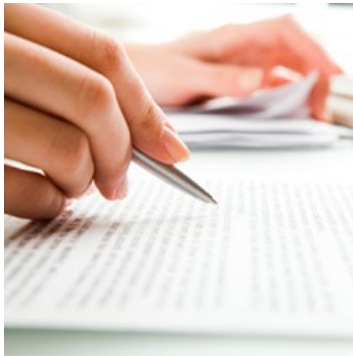
[Watch the video.](#)

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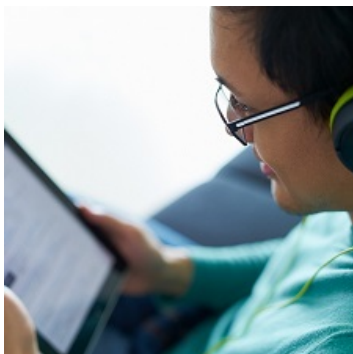
- [Software and Cyber Solutions Symposium: Past Presentations](#)
- [Designing Ethical AI Experiences: Checklist and Agreement](#)
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SEI Blog

Recent posts

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SEI Podcast Series

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Short videos of SEI work from our experts

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- [Summarizing and Searching Video \(2019\)](#)



SEI Training

- [Creating a Computer Security Incident Response Team](#)
March 2, 2020 (SEI Arlington, Va.)
- [Managing Computer Security Incident Response Teams](#)
March 3-5, 2020 (SEI Arlington, Va.)



SEI Careers

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About the SEI Bulletin

The SEI Bulletin is a biweekly newsletter designed to keep you up to date on SEI news, events, research, and other matters of interest to the SEI community. We hope you find the SEI Bulletin useful and informative.

Send Us Your Story

Do you have a story about how an SEI technology has positively affected your team or organization? If so, the SEI would like to hear about it. Send a short summary of your success to info@sei.cmu.edu, and you could be featured in a future issue of the SEI Bulletin.



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