Carnegie Mellon University
Software Engineering Institute (SEI)

Systems and Software Engineering
Lunch and Learn Series
Session 7 of 12

Wed Nov 16, 2022
12:00 – 1:30 PM EST

Dr. John Lee
Carnegie Mellon University

Facing the Challenges of Artificial Intelligence – *Building the Discipline of AI Engineering*

A **FREE** Virtual Event – Registration Required

1 PDU / CEU

John Lee leads AI Engineering for the Software Engineering Institute (SEI) at Carnegie Mellon University. At the SEI, He focuses on the tools, practices and processes that enable the building of scalable, robust, secure, and human-centered AI. Prior to the SEI, he worked at a leading professional services organization, helping to build an AI practice, through the hiring of hundreds of AI professionals, and the delivery of hundreds of engagements to Fortune 100 companies. He led a global rollout of AI capabilities to 10+ countries, creating a platform for collaboration including approaches for IP sharing, licensing, and engineering standards. He has delivered AI across a number of areas, including financial regulations, sporting league operations, AI strategy, utilities, and has led AI due-diligence as a part of private equity acquisitions. John received his MS and PhD from UCLA, and his bachelors degrees from the University of California at Berkeley.

Abstract. AI is continuing to make headlines, by beating the best humans in competitive games, generating large-language models that trigger debates on sentience, and enabling new applications on our mobile devices. The field is growing rapidly, with rapid advances not only in capabilities, but in the practices and tools used to create it. In this talk, we'll talk about where AI is now, some of the big challenges around AI, and discuss some of the efforts being done at the Software Engineering Institute around building the discipline of AI Engineering.

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The International Council on Systems Engineering (INCOSE) is a not-for-profit membership organization founded in 1990 to develop and disseminate trans-disciplinary principles and practices that enable the realization of successful systems. INCOSE is designed to connect systems engineering professionals with educational, networking, and career-advancement opportunities in the interest of developing the global community of systems engineers and systems approaches to problems. We are also focused on producing state-of-the-art work products that support and enhance this discipline's visibility in the world.