

WORKSHOP: Best Practices for Measuring Security at the System Level

PROGRAM MANAGER(S): Keith Rebello

DATE: Tuesday, October 19, 2021

TIME: 3:15pm – 5:30pm

ROOM NAME: John Marsh

DESCRIPTION

As technologies for hardware and system security are developed, the question naturally arises: “How much more secure are systems that use this technology?” This question has implications not just for determining the success of R&D programs, but also for informing decisions by business leaders and policy makers when weighing the costs of incorporating new security technologies against the realizable security benefits. Currently, security improvements are approximated using synthetic benchmarks based on known attacks methods, red team evaluations that provide feedback from attackers, or formal methods to prove correctness of key parts of the system architecture. All of these techniques provide an incomplete answer to the question. This workshop will focus on establishing the benefits and limitations of various security evaluation mechanisms and exploring new approaches or combinations of approaches that might be used to evaluate security.

AGENDA

Insert Time 3:15pm	Workshop introduction and problem overview Keith Rebello – DARPA Program Manager
3:25pm	Government Perspective Stephen Smalley – Researcher at the National Security Agency
3:50pm	Enterprise Perspective David Weston – Partner Director of Enterprise and OS Security at Microsoft
Afternoon Break: 4:15pm-4:30pm	
4:30pm	Handset Perspective Alex Gantman – VP Engineering; Head of Product Security at Qualcomm
4:45pm	Industrial Control Systems Perspective Ron Brash – Director of Cyber Security Insights at Verve Industrial Protection
5:00pm	Moderated open discussion

QUESTIONS

Please contact the ERI Summit mailbox for more information following this workshop at ERI-Summit@darpa.mil.