



# WORKSHOP: Cybersecurity – Simplifying the Development of Provably Secure Multilevel Security Architectures

**PROGRAM MANAGER:** Mr. Walter Weiss, DARPA

**DATE:** Thursday, August, 20, 2020

**TIME:** 2:15 PM – 5:45 PM

## DESCRIPTION

*This interactive workshop introduces novel language extensions and software co-design tools developed under the DARPA Guaranteed Architecture for Physical Security (GAPS) program to revolutionize the development of cross-domain systems that are correct-by-construction with provable security guarantees. Attendees of this workshop will use GAPS development and emulation tools to express cross-domain security constraints within example applications and evaluate the results on an emulator modelling multiple security enclaves. Attendees will also learn about novel GAPS hardware in progress for further enforcing guards on the cross-domain boundary.*

## AGENDA

<b>2:15 PM</b>	<b><i>During the interactive workshop, attendees will use GAPS development and emulation tools to express cross-domain security constraints. Attendees will be able to work with example applications in a live, interactive digital space. The workshop will include demonstrations and individual course-work exercises so attendees can familiarize themselves with GAPS tools.</i></b> Mr. Michael Kaplan, Perspecta Labs, Scientific Research Analysis Manager
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**Afternoon Break: 3:45 PM – 4:00 PM**

<b>4:00 PM</b>	<b><i>Interactive Q&amp;A and Debugging of GAPS Exercises from Prior Session.</i></b> Mr. Michael Kaplan, Perspecta Labs, Scientific Research Analysis Manager
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**Virtual Exhibit Hall Office Hours: 5:45 PM – 6:45 PM**

## QUESTIONS

Please contact [GAPS@darpa.mil](mailto:GAPS@darpa.mil) for more information following this workshop.