

AIAA San Gabriel Valley Seminar
December 12 at 1pm, PST
RSVP online: <https://tinyurl.com/aiaa-cyber>



Leveraging Digital Twins and Cyber-Physical Testbeds for Cybersecurity Analyses

Abstract: This talk will focus on the practical application of digital twins and cyber-physical testbeds to support cybersecurity related training, vulnerability exploration and identification, and remediation. The speakers will explore the benefits and challenges of implementing digital twins and cyber-physical testbeds and share insights based on experiences with both the space segment (e.g., satellite command & data handling) and ground segment (e.g., building control and surveillance).

About the Speakers:

Brian Barsda has been with Booz Allen Hamilton for 6 years as a software engineer designing simulation software for space, maritime and aviation platforms, system reliability modeling, AR / VR, and GIS visualizations. He holds a BS in Computer Science from Cal State University Northridge. He has also studied Music Theory and Composition at Vanderbilt University and The University of Georgia, producing music, sound effects and audio engineering services for companies such as Electronic Arts and NBC Universal.

Fuchee Vang joined Booz Allen Hamilton in 2017 as Cyber Security Analyst and has worked on various projects involving reverse engineering, vulnerability assessments, and penetration testing. Fuchee earned a B.S. in Information Technology with a focus in Software Engineering/Databases from George Mason University in Fairfax, VA. Prior to joining Booz Allen, he worked at Sparta (Parsons Corporation) supporting the Intelligence Community as an Offensive Cyber Security Developer.