

Chapter Meeting – September 2020



Topic: Systems Engineering Considerations for UAS Proliferation

Presenters: Addam Jordan and Adam Monslave, from CNA, a nonprofit research and analysis organization located in Arlington, VA.

Date: Thursday, September 17, 2020

Agenda: 6:30 - 7:00 PM CT – Announcements & Introductions
7:00 - 8:30 PM CT – Feature Presentation and Q&A

Abstract

Drones, Drones, Everywhere! Once primarily focused on military use and the backyard hobbyist, the use of unmanned aircraft systems (UAS) has exploded in the past decade. As applications for UAS continue to expand, the approach for integrating these actors into the existing airspace system for use among traditional manned aircraft has grown increasingly more complex. This presentation will highlight several near and long term initiatives for integrating UAS in the public domain and some of the key challenges and considerations from the Systems Engineering perspective.

About Our Speakers



Addam Jordan has over 13 years experience in applying air traffic control and Systems Engineering to support the Federal Aviation Administration in developing modernization concepts for the National Airspace System. He currently serves as Chief Systems Engineer within the CNA Center for Enterprise Systems Modernization. Mr. Jordan's experience includes developing and validating air traffic modernization concepts, developing operational enterprise architecture views and use cases, and developing requirements for new entrants and UAS integration into the NAS. Mr. Jordan is an experienced Air Traffic Controller, systems engineer, and a Certified Enterprise Architect (CEA). He holds an M.S. in Systems Engineering and Integration from The George Washington University and a B.S. in Aviation and Air Traffic Control from Hampton University.



Adam Monslave has over ten years experience conducting analytical research and solving complex technical problems by defining functional requirements, process analysis, and data modeling. He currently works as a Systems Engineer within the CNA Center for Data Management and Analytics. Dr. Monslave has research experience analyzing cybersecurity considerations for the implementation of unmanned aerial systems (UAS) Traffic Management (UTM) that aims to integrate UAS into the National Airspace System. Dr. Monslave's efforts have helped to realize security implementations in prototype evaluations and nation-wide demonstrations of UTM performed by the FAA. He holds a Ph.D. in Materials Science & Engineering from the University of Florida and a B.S. in Biology and Chemistry from the Virginia Polytechnic Institute and State University.

Questions? For more information, go to <http://www.incose.org/Chicagoland/>.



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INCOSE Chicagoland Sites



Aerotek / EASi offices
1501 E. Woodfield Rd. Suite 300N
Schaumburg, IL 60173
3rd Floor Conference Room



BB7, 5407 Fen Oak Dr.
Madison, WI 53718
Mendota Conference Room



Oshkosh Corp (*Limited to Oshkosh Employees*)
370 W. Waukau Ave
Oshkosh, WI 54902

Online attendance only due to COVID-19.

Attend live, on-line. Meeting begins at 6:30 PM CT.

Video URL:

<https://incose.pgimeet.com/INCOSEResourceTwelve>

Audio Dial-In:

Access Number: 1-605-475-5604

Guest Passcode: 723 236 7062

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