Embry-Riddle Aeronautical University, Prescott, AZ
College of Security & Intelligence
Distinguished Cyber Intelligence & Security Speaker Series
Mar. 22nd, 10-11am, Davis Learning Center (DLC) Auditorium

The College of Security and Intelligence (CSI) is excited to have Greg Rice as our Distinguished Cyber Intelligence and Security (CIS) Speaker on Mar. 22nd, 10-11am, in the DLC. Please mark your calendars for this event and we hope to see you at the venue! Information on Mr. Rice and his talk at the DLC is given below.

Speaker: Greg Rice

Greg Rice is a Research Group Manager for the Cyber Systems research team in the Advanced Technology at Collins Aerospace. In 2006, Mr. Rice co-founded True Security, where he led design work on secure, ad-hoc sensor networks for embedded systems and new penetration testing services. Mr. Rice's holds multiple patents in network security mechanisms and intrusion detection and has led the accreditation of several embedded systems. His work on the security of embedded avionics systems has been well recognized; he has served as a subject matter expert on avionics security for the Government Accountability Office and Federal Aviation Administration. Mr. Rice has previously served as PI for the DARPA RAPID and Longbow programs and now leads a team of research engineers focused on the development of new embedded security technologies applied to airborne and radio communication systems.

Talk title: Securing Future Aircraft

Talk abstract: The growing communication capabilities and processing resources aboard modern commercial aircraft continues to demonstrate new potential for improving the efficiency of next generation air travel while further reducing safety risks to airplane passengers. However, with increasing system complexity and connectivity comes the risk of security vulnerabilities. Previously isolated and legacy systems are already expanding to include new features, while modern aircraft are now being equipped with airborne systems more closely resembling information technology (IT) infrastructure. The security risks associated with these new technologies must be addressed to maintain the safe and secure operation of the national airspace system. This presentation presents an overview of potential security risks to future aircraft as well open and emerging research challenges in the space.

On Mar. 1st, Peter Skaves from the FAA provided the public sector's perspective on aircraft cyber security. Greg Rice's talk will provide a private sector's perspective on this topic.

Join us and help secure the connected aircraft of the future!

Dr. Krishna Sampigethaya, CIS Dept. Chair
sampiger@erau.edu; (928) 777-3404

Dr. Jon Haass, CSI Dean
haassj@erau.edu; (928) 777 6975

https://prescott.erau.edu/college-security-intelligence/