



TECH-TALK THEATER SCHEDULE

THURSDAY, AUGUST 1, 2024

George R Brown Convention Ctr | Exhibit Hall DE

1100 – 1145 Hours

Axnes, Inc.

“Cut the Cord, Go Wireless”

Presented by Brett Gardner

Tech-Talk Theater 1

This Tech Talk will provide a brief overview of Axnes PNG wireless intercom system technology and products.

Leonardo Helicopters

“Leonardo Helicopter Products in Law Enforcement”

Presented by Giuseppe De Gaetano

Tech-Talk Theater 2

This Tech Talk will provide a review and discussion on the Leonardo Helicopter products in Law Enforcement.

1200 – 1245 Hours

Becker Avionics

“Presenting ACU6510 & ACU6520 From Becker Avionics”

Presented by Hunter Pace

Tech-Talk Theater 1

Becker Avionics Inc is excited to announce its newest entries into the DVCS6500 family, the all new ACU6510 and ACU6520. The basis of the latest innovation in digital audio panels are state of the art, programmable components that use a modular approach to system architectural design similar to the popular DVCS6100 series. Designed using a remote operating system, the ACU6510 and ACU6520 allow for installation of new 3D digital audio capable panels where cockpit space is extremely limited. Using an interactive approach to modern cockpit design, the new audio panels offer a tremendous range of individual selectable configurations with a smaller footprint. The ACU6510 provides 20 programmable softkeys to allow for each operator to customize their own audio panel layout to fit their individual needs while the ACU6520 provides all the capabilities of the entire DVCS6500 family of products but with a focus on a more physical HMI via retractable control knobs. Together these two products represent a leap forward in digital audio design and capability that meet the needs of any mission or aircraft.



DroneSense

“Combining Crewed and Uncrewed Aviation Situational Awareness”

Presented by Brandon Karr

Tech-Talk Theater 2

Imagine having a bird's-eye view on every mission. DroneSense combines the power of crewed aircraft with the agility of drones, giving you a complete picture of what's happening on the ground. First responders: Drones can scout ahead, providing crucial intel while keeping your team safe. Search & rescue: Find missing persons faster with a wider search area covered by both drones and manned aircraft. Firefighting: Get a real-time view of the blaze from multiple angles, coordinating firefighting efforts more effectively. DroneSense keeps everyone informed, for safer skies and successful missions. #DroneTechnology #PublicSafety #SituationalAwareness

1300 – 1345 Hours

Anodyne Electronics Manufacturing Corporation (AEM)

“How to Navigate a Complex Special Mission Audio Environment”

Presented by Steve Broderick

Tech-Talk Theater 1

The audio system is the communication backbone of any aircraft, especially for special mission aircraft. Without the ability to communicate, the safe operation of the aircraft and mission outcomes are compromised. When comms go bad, the mission is at risk. For experienced TFOs and newbies alike, being able to clear up a busy audio environment is one of the most difficult challenges to overcome. Learn how to configure and control unique special mission communication requirements with an audio system configured optimally to your equipment and operational profile.

Smith Myers

“Detect, Locate, Communicate”

Presented by Peter Myers

Tech-Talk Theater 2

Artemis is a system to detect, locate and communicate with people using their mobile phone as a location beacon. Artemis can be used in disaster situations when the local cell network is down, or when you need to locate a single person in areas of poor cellular coverage. Artemis can provide coordinates to cue the EO/IR sensor, allowing missions in low light or IMC conditions to have a rapid and successful outcome. Artemis can be used to broadcast text messages to everyone in disaster areas with destroyed cellular infrastructure. Artemis is available in a number of SWaP options suitable for Manned, Unmanned, Rotary- and Fixed-Wing Aircraft. All easily integrated into existing avionics systems or stand alone with integral mapping. DETECT: specific phones or all phones in an area. LOCATE: calculate a latitude and longitude for any detected mobile. COMMUNICATE: send and receive text messages, make voice calls, with no local cell coverage.



1400 – 1445 Hours

Spectrolab, Inc.
“New Product Debrief”
Presented by Luis Castro

Tech-Talk Theater 1

This Tech Talk will provide a brief overview of new search light product from Spectrolab, Inc.

Volatus Aerospace
“LifeSeeker: A Beacon of Life”
Presented by Dean Attridge

Tech-Talk Theater 2

LifeSeeker is an airborne mission system for SAR operations, capable of accurately locating missing persons through their mobile phones. It can be used on manned and uncrewed aerial platforms. The LifeSeeker maximizes your missions in which seconds count.

1500 to 1545 Hours

Kodiak Aircraft
“Kodiak Multi Mission Platform and Support”
Presented by Paul Carelli and Earle Boyter

Tech-Talk Theater 1

A Review of the Kodiak 100 and the Kodiak 900 and how these aircraft excel for Multi Mission Operations.

Drone Nerds
“Modernizing Public Safety Operations with Complete Drone Solutions”
Presented by Steven Gaskins

Tech-Talk Theater 2

In this presentation, Steven Gaskins, will give a comprehensive view of implementing a successful drone program for use in public safety, the necessary steps to manage a drone initiative from end to end, and an analytical review of examples currently in use. Steven will detail the components of a “complete drone solution,” which can differ depending on use in officer, firefighter, or other first responder missions. To create a comprehensive solution, the following must be considered: understanding the total workflow and timeline, knowing what type of data, measurements, and file outputs are needed, and finally, having plans in place for the ongoing aspects of a drone program such as training, updates, repairs, and accessible backups to minimize downtime. For the next segment, he will dive into navigating a drone program implementation process, from discovery to being operational, to achieve the best outcome. Steven will outline each step of the process from best practices for research, all the way up to purchase and beyond into establishing standard operating procedures for ongoing usage.



FRIDAY, AUGUST 2, 2024

George R Brown Convention Ctr | Exhibit Hall DE

1000 to 1045 Hours

AUTOFLUG GmbH

Tech-Talk Theater 1

“Requirements of Helicopter Seats in the Course of Time – Thinking Safety”

Presented by Feline Jonas

In the course of time the requirements and safety standards for the protection of passengers in aviation and especially in helicopters have changed. Within this presentation, we would like to take the audience on a flight through time and provide an overview of the different stages of helicopter seating and today's importance of crash safety of helicopter seating. According to the company motto “Thinking Safety”, AUTOFLUG has always offered the highest level of safety, as well as functionality and comfort for passengers. AUTOFLUG's capabilities include the production, development, and maintenance of rescue and safety equipment.

Onboard Systems International, LLC

Tech-Talk Theater 2

“Options for HEC (Human External Cargo)”

Presented by Brendan Fitzpatrick

A review of each of the following options for HEC from a helicopter: Hoisting, Fast Roping, Short haul- Dual Hooks and Belly Bands.

1100 to 1145 Hours

Airwolf Aerospace

Tech-Talk Theater 1

“Airwolf Aerospace Lithium-ion Battery Installation STC's”

Presented by Eric Wolf and Roy

True Blue Power manufactures safe, ultralow weight, powerful, fast charging, self-warming, low to no maintenance Lithium-ion batteries. Airwolf's FAA approved STC installation Kits provide the means to install the batteries in Helicopters and soon fixed wing aircraft. Come learn about the benefits and minimal maintenance required for Lithium-ion batteries.

Air Rescue Systems / Vita Aerospace

Tech-Talk Theater 2

“When Seconds Count- Advanced Equipment and Training for Expedited Hoist Rescue”

Presented By Cody Berg and Jason Segal

This Tech Talk will include a brief review of the impact of rotor flow rescuers' work under helicopters, with a special focus on advances in technology and rescue equipment such as rapid extraction devices. We will further explore helicopter rescue training strategies that can be tailored to any agency's needs and customized to meet specific operational goals. Students will learn about the latest cutting-edge technology, tools, and



techniques essential for quick and effective hoist rescues that minimize response times and maximize success rates when every second counts.

1200 to 1245 Hours

Paladin Drones

Tech-Talk Theater 1

“Empowering Public Safety with Paladin LTE-Enabled UAV’s: Drone as a First Responder (DFR) Technology”

Presented by Divy Shrivastava

Our demo would showcase Paladin's Drone as a First Responder (DFR) technology. Our LTE-enabled UAVs give first responders live overhead views before they arrive, offering real-time intelligence to boost public safety.

FlySight

Tech-Talk Theater 2

“OPENSIGHT Unleashed: Multi-Domain, Multi-Platform, Modular Solution with an Open Approach”

Presented by Andrea Masini

OPENSIGHT unleashed: Multi-Domain, Multi-Platform, Modular solution with an Open approach. Context: Delve into the open approach of OPENSIGHT as an open and versatile decision support system shaping the landscape of geospatial PED. Sub-points: The transformative power of open integration in PED systems. - OPENSIGHT as a catalyst for enhanced decision-making. - The strength of modularity in multiplatform operations.

1300 to 1345 Hours

Aviation Specialties

Tech-Talk Theater 1

“Reduce Your Fighting Weight- E3 NVG”

Presented by Tony Tsantles

Imagine having a night vision goggle solution that could deliver the same superior nighttime vision as current NVG's but was 33% lighter with an edgeless transition to unaided viewing? It is finally here, and we'll be highlighting the new equipment versus what we have been using.

Air Maestro & Spidertracks

Tech Talk Theater 2

“Air Maestro & Spidertracks: Ops, Safety & Flight Tracking Software”

Presented by Miguel Gonzalez

Air Maestro is an Ops and Safety Management System offering SMS, flight operations, and training solutions to operators. Spidertracks empowers operators with real-time aircraft management and proactive safety decisions. Together, they deliver a unified software platform that addresses unserved needs in the global aviation industry.