

Advancements on Autonomous Systems in Aerial and Ground-based Applications

Date/Time: March 18, 2021, 9:00am-10:00am

Venue: Microsoft Teams ([Click here to join the event](#))

Language: English (Interpretation not provided)

- 9:00 AM – 9:01 AM: **Opening Remarks** [1 min]
by James Kim, Chairman & CEO, AMCHAM Korea
- 9:01 AM – 9:02 AM: **Welcome Remarks** [1 min]
by Gregory Briscoe, Minister Counselor for Commercial Affairs, U.S. Embassy Seoul
- 9:02 AM – 9:18 AM: **Topic (1): Computer Vision and Collision Avoidance for Commercial Unmanned Aircraft Systems (UAS)**
[16 min]
by Jon Damush, Chief Executive Officer, Iris Automation
- 9:18 AM – 9:34 AM: **Topic (2): Advancements in Radar Technology for Unmanned Systems Applications [Ultra-low SWaP ESA Radars Unlock Advanced Autonomy]**
[16 min]
by Jeff Finan, VP Business Development, Echodyne
- 9:34 AM – 9:50 AM: **Topic (3): Hyperspectral Imaging for Automated Detection in Airborne Remote Sensing Applications**
[16 min]
by Adam Stern, PhD, Senior Scientist, Resonon
- 9:50 AM – 10:00 AM: **Commentary, Q&A** [10 min]
by Iris Automation, Echodyne, and Resonon
- 10:00 AM: **Adjourn**

*Sequence of events, contents, and speakers subject to change

Company and Speaker Profiles



Speaker: Jon Damush, Chief Executive Officer, Iris Automation

Overview: Unlocking drone operations to fly safely without human intervention and over long distances is Iris Automation's mission. The company's computer vision-based technology allows the UAS to see and react safely to the aviation environment around the aircraft, while alerting the remote pilot and determining how to avoid potential air safety threats. Iris Automation works closely with civil aviation authorities globally as they implement regulatory frameworks ensuring beyond visual line of sight (BVLOS) operations are conducted safely, partnering on multiple United States FAA BEYOND UAS Integration Programs and Transport Canada's BVLOS Technology Demonstration Program. Iris was recognized by AUVSI as the number one Technology and Innovation Leader for 2020.



Speaker: Jeff Finan, VP Business Development, Echodyne

Overview: Echodyne offers high performance compact, software-defined, solid-state electronically scanned array (ESA) radar sensors for a variety of unmanned applications. Ideally suited for machine perception in autonomous systems, Echodyne's commercially priced radars provide advanced situational awareness for unmanned aircraft systems, advanced air mobility applications, and autonomous aerial and ground vehicles.



Speaker: Adam Stern, PhD, Senior Scientist, Resonon

Overview: Resonon is a leading manufacturer of hyperspectral imaging systems for research and industry. Resonon's hyperspectral cameras cover the visible, ultraviolet, and infrared spectral ranges, and we offer hyperspectral systems for laboratory, outdoor, and remote sensing applications. Our hyperspectral cameras provide high-precision scientific-grade data with low distortions and excellent imaging quality.