

AESS UAS/UAV Technical Panel News

Vince Socci, Technical Panel Chair, socci@ieee.org, September 2017

Call for Volunteers!

The tech panel is seeking additional volunteer panel members to develop the breadth, depth, and impact of our activities. If you are interested in volunteering with the tech panel, please contact Vince Socci at socci@ieee.org.

We are especially interested in extending our activities throughout Regions 7-10. We have many technical sessions, event plans, and other activities that can easily be replicated in other geographic areas if we had volunteers to support them.

We have a growing tech panel, and we welcome your participation! We now have 11 members in 3 continents and 7 regions.



11 members
3 continents
7 regions
And growing!

Drone Operator Course

A sUAS/Drone Operator Course is being held during the 2017 fall semester. See <https://events.vtools.ieee.org/m/46587> for details.

UAV/DRONE OPERATOR TRAINING

WHEN

9/16, 9/30, 10/14, 10/28,
11/11, 11/18/17, 9am – 4pm

WHERE

Union-Endicott High School, Rm 425
1200 E Main St, Endicott, NY 13760

MORE INFO/REGISTRATION:

<https://events.vtools.ieee.org/m/46587>



**INCLUDES
REMOTE PILOT
TEST PREP**

COURSE FEE

\$50 Student members
\$100 IEEE members
\$200 Non-members
CEU credits awarded

TOPICS

UAV/UAS Technology
Drone Operation
Flight dynamics
Commercial applications
FAA regulations
Flight planning
Flight procedures
UAS pilot training
Control exercises
Photography methods
Business opportunities
Drone maintenance
50% Classroom
50% Hands-on Flying

SPONSORS

IEEE Binghamton
On Target Technology
Sponsorships available

INSTRUCTOR

Vince Socci
Licensed UAS Pilot

RED-UAS 2017

The tech panel will represent IEEE AESS at the 2017 International Workshop on Research, Education and Development on Unmanned Aerial Systems, RED-UAS 2017. Vince Socci (socci@ieee.org) will give a plenary talk entitled, "IEEE's Leadership Role in UAV Technology, Regulations, and Applications". The talk will highlight the activities of the UAS/UAV Tech Panel. See <http://www.reduas2017.org/> for more information.

UAS ID ARC

We supported the FAA's Unmanned Aircraft Systems Identification and Tracking Aviation Rulemaking Committee (UAS ID ARC). The IEEE AESS UAS/UAV TP is presently supporting two working groups in this activity: Working Group 1 – Existing and Emerging Technologies; Working Group 2 – Law Enforcement and Security/Regulations. Shawn Kimmel (kimmel_shawn@bah.com) is leading this activity.

The tech panel participated in the FAA UAS ID ARC to provide recommendations to the FAA regarding technologies available for remote identification and tracking of UAS. A recommendation report was published in September.

UAS ISO Committee

The tech panel has been active on the ISO/TC 20/SC 16 "Unmanned aircraft systems" eCommittee, supporting standards development for UAS technology. As IEEE standards members, our tech panel members have been engaged in several meetings and workshops. See <https://www.iso.org/committee/5336224.html> for more information.

IEEE AESS Tech Panel Highlighted at Sections Congress

The tech panel provided an Ignite Session at the 2017 Sections Congress in Sydney, Australia. The session was titled, "Dronefest: Engaging the Local Community for Impact". The presentation was well-received by an engaged audience. Many section leaders had follow up discussions regarding how they could hold similar events in their sections.

IEEE Drone Conference at the Intrepid Museum

IEEE AESS UAV TP will support the Drone Conference at the Intrepid Museum in NY on November 3.



IEEE is co-sponsoring the Intrepid DRONES conference, taking place November 3, 2017. AESS UAS/UAV tech panel members will present several sessions.

See <https://www.intrepidmuseum.org/drones.aspx> for more information.

Drone Photographs

We are collecting your favorite photographs captured by a drone, along with captions describing the scene. If you have any you are willing to share, please email them to socci@ieee.org. We hope to build an album of drone photographs to share with other IEEE members.

Don't forget our Call for Volunteers!

Come join the tech panel and help advance UAS/UAV technology for humanity. Contact Vince Socci, socci@ieee.org.