



Autonomous VTOL Technical Meeting & eVTOL Symposium 2019

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8th Biennial Autonomous VTOL Technical Meeting & 6th Annual Electric VTOL Symposium

Sheraton Mesa Hotel at Wrigleyville West ([reservations](#))
Mesa, Arizona, USA

- **Short Course on eVTOL Design:** Mon, Jan. 28
- **Technical Meeting & Symposium:** Tues-Thur, Jan. 29-31
- **Short Course on eVTOL Acoustics:** Thurs/Fri Jan. 31-Feb. 1

[Registration now open!](#)

Overview: The 21st century has seen a continued emphasis on Unmanned Air Systems (UAS) and greater autonomy and automation for both military and civilian applications. Unmanned vertical take-off and landing (VTOL) aircraft are in varying stages of development all over the world, and continue to expand into the civil and military sectors for a variety of uses. Autonomy is being used to unmanned versions of manned helicopters for dull, dirty and dangerous military cargo missions. In addition, the operator-interface and human factors can be one of the most significant contributions to UAS safety and successful operations. Correspondingly, technologies and regulation are being developed to safely operate UAS, and integrate them into commercial and military airspace.

Meanwhile, automation and various levels of autonomy are being used in modern civil helicopter cockpits, while the military's Future Vertical Lift (FVL) aircraft will need to be optionally-manned or optimally-manned. Autonomy is also a key enabler for new classes of vehicles for civil missions — such as personal air vehicles, urban air mobility and air taxi missions — using electric or hybrid-electric propulsion (eVTOL).

This biennial meeting is an excellent opportunity to learn about and discuss with academic, industry, and military engineers from around the world the latest advancements in manned/unmanned, electric/hybrid/turboshaft-powered, and civil/military autonomous VTOL aircraft technology.

The Technical Meeting is being held in conjunction with the 6th Annual [Electric VTOL Symposium](#), which will be held in parallel. The conference will feature technical paper presentation related to autonomous VTOL aircraft, while the Symposium will feature invited presentations, panel sessions and discussions on electric and hybrid electric VTOL aircraft, with a focus on urban air mobility.

The Abstract submission phase is now closed.

Completed Papers: **Authors will be notified of final selection later in October.** Format for the papers will be sent with the notification of selection. No paper will be scheduled for presentation if a written paper has not been received by January 14, 2019. It will be author's responsibility to obtain all necessary clearances or releases. For paper questions contact Dr. Ram JankiRam (+1-480-891-6057), Technical Chair, or Dr. Kendra Befort (+1-480-891-1979), Deputy Technical Chair, or email uas_papers@ahsaz.org.

Registration: [Online registration now open!](#) (Or, you can download the [2019 Autonomous eVTOL AZ Registration Form.](#)) You do not need to be a member to register, but you do need to create an account if you don't already have one.

Autonomous VTOL Meeting & eVTOL Symposium Tues. Jan. 29 – Thurs. Jan. 31			
Registration Rates	VFS Member	Non-Member**	VFS Student Member
Early Bird Rate (by Dec. 10, 2018)*	\$575	\$675	\$325
Regular Rate (after Dec. 10, 2018)*	\$675	\$775	\$350



**Registration fee includes coffee breaks, lunches, dinner on Wednesday, and Proceedings.
**Includes 1-year membership.*

Electric VTOL Design Short Course: Monday, January 28th (8:00 am - 5:00 pm)

Regular Attendee	\$275
VFS Student Members (must be VFS student member)	\$175

Electric VTOL Aeromechanics & Acoustic Prediction Software Short Course: Thurs. Jan. 31 (1:00 pm - 5:00 pm) – Fri. Feb. 1 (8:00 am - 5:00pm)

All Attendees	\$450
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Short Courses:

- A 1-day **Short Course on Electric VTOL Design** will be taught onsite on Monday, Jan. 28 (8 am - 5 pm), the day before the conference and symposium begins. The course will be taught by Dr. James Wang, one of the leading figures in electric VTOL aircraft development. The cost of the course is \$275 (\$175 for current student members of VFS). Download the [course description](#) and register for this insightful course!
- A 1½ day **Short Course on Electric VTOL Aeromechanics & Acoustic Prediction Software** will be taught onsite Thursday afternoon, Jan. 31 (1 pm - 5 pm) and all day Friday, Feb 1 (8 am - 5 pm). The course will be taught by Dr. Ken Brentner (Penn State), Dan Wachspress (Continuum Dynamics), Dr. Rob McDonald (Uber Elevate) and Alex Gary (Uber Elevate) and will instruct attendees on how to use PSU-WOPWOP, CDI's CHARM and NASA's OpenVSP modeling tools to conduct acoustic prediction of Electric VTOL configurations. The cost of the course is \$450 for all attendees. Download the [course description](#) and register for this groundbreaking course!

Sponsorships & Exhibits: A limited number of [sponsorship and exhibit opportunities](#) are available to help our corporate members get their message out about their work in autonomy and electric VTOL. Opportunities range from \$1,000 to \$5,000 and include complimentary registrations. Please help support this event!

Hotel: The meeting is being held at the beautiful [Sheraton Mesa Hotel at Wrigleyville West in Mesa](#) with **discounted rates available to attendees**. Please support the event and stay at the conference hotel! **You must book by Jan. 14** and use this link to get the special event rate: <https://www.starwoodmeeting.com/events/start.action?id=1808177595&key=1E97A7A8>

For more information about Autonomous VTOL Technical Meeting & eVTOL Symposium 2019, please [contact us](#).