

AeroConnect Challenge™ & Meet the Sponsors Event Special Invitation for SAE Student Members

- What:** [SAE AeroTech Conference 2021](#)
- Where:** <https://www.sae.org/attend/aerotech/>
- When:** [March 9-11, 2021](#)
- Who:** Major Aerospace OEMs
- Why:** [Why not? Bring your resume and engage with top aerospace industry engineers and HR who are looking for entry level and internship candidates](#)

Overview: In 2020 SAE International launched its first Emerging Technology Series event, AeroConnect Challenge™. Now in its second year, this event will take place on the virtual platform and hosts executives, engineers, and support personnel from aerospace OEMs and suppliers. During the event, a Meet the Sponsors session is planned and we are inviting SAE student members who participate in the competition or in other Collegiate Design Series and Emerging Technology Series events to attend.

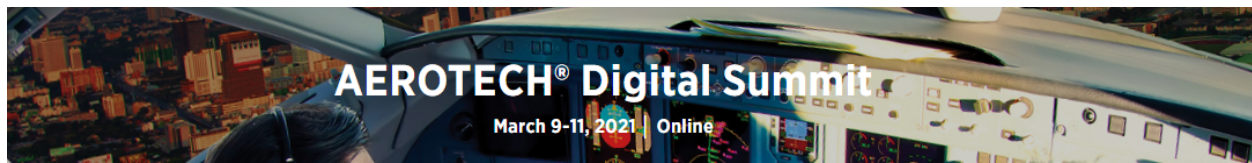
1. **Visit:** <https://www.sae.org/attend/aerotech/attend/registration>
2. Log in with your SAE Log In Account and select the appropriate registration category (Member, Non-Member)
 - a. In order to register you have to have an SAE account (these are free to create)
3. On the confirmation page, review you have selected the correct registration category
4. On the left-hand side, enter the promo code (**ATCSTUDENT**) and click apply code
5. On the right side, the total will now reflect the price upon receiving 100% off
6. The password is case sensitive
7. Select confirm order

SAE AeroTech 2021 Event Program: <https://www.sae.org/attend/aerotech/program>

Tentative AeroConnect Challenge™ 2021 Schedule

March 11, 2021: 3:30-4:30p Meet the Sponsors

March 12, 2021: 3:30-4:30p Joint Awards Ceremony



2021 SAE AeroConnect Challenge™ Mission Overview

A Florida Theme Park is requesting proposals for a new people mover system for installation at their resort in Orlando, FL. The new guest transportation system is intended to serve as a technological refresh to existing mass transit systems (e.g., ferries, monorail and transit buses) in the resort and should make use of developments in Urban Air Mobility technologies, while still providing an entertaining, themed attraction for guests. The following are the primary objectives of the new transportation system:

- **Safety:** Guest safety is paramount. The transit system must provide enough redundancy such that the guests feel safe and protected.
- **Reliability:** The transit system must be able to support continuous operation from park open to close, 8:00 AM to Midnight, (with 1 hour of additional use for arrivals and departures to the resort complex). Downtime for maintenance leads to frustrated guests.
- **Comfort:** The interior should be climate controlled, ventilated in accordance with mass transit standards SAE AIR4766 - Air Quality for Commercial Aircraft Cabins and ample seating should be available to support throughput.
- **Throughput:** The theme park estimates upwards of 30,000 – 50,000 guests each per day. Everyone who visits the park uses some form of Mass Transit - the system must be able to support at least 10% of that daily population moving between a specified park to park option or a park to resort option.
- **Entertainment:** An on-board park information & entertainment system should be available providing key updates about the park. On-board wireless internet should also be supported. In traditional fashion, each of the transit vehicles should be fashioned to represent park themes - e.g., a futuristic / retro-futuristic motif, a fairy tale motif, etc.
- **Technology:** The experience must demonstrate the latest in autonomous transport technologies including waypoint navigation (travel to predetermined air transit stations throughout the resort), traffic / collision avoidance and on-board Wi-Fi to support guests' use of the park app.

For the purposes of this solicitation, an "Urban Air Mobility" vehicle is defined as a small aircraft capable of repeated vertical takeoff and landing operations, operating autonomously in confined airspace, and carrying up to 20 people and associated light cargo.