

Virtual SAE Aero Design West Handbook

2020 Competition Season

*This is a living document and will
updated as information becomes
available*

TABLE OF CONTENTS

VIRTUAL EVENT OPERATIONS

PART 1 - Oral Presentations _____ pg 3

PART 2 - Virtual Event Day _____ pg 3

ORAL PRESENTATION PROCESS

TECHNICAL PRESENTATION _____ pg 4

TECHNICAL PRESENTATION REQUIREMENTS _____ pg 4-5

ORAL PRESENTATION SCHEDULE _____ pg 6

AWARDS _____ pg 7

VIRTUAL EVENT OPERATIONS

The 2020 SAE Aero Design West Virtual event will take place in two parts:

1. Oral Presentations – All teams will be assigned a time slot to present to judges via WebEx. Teams will be emailed the WebEx details. Static Schedule is to be determined and each team will be sent an email for their oral presentation time
Oral Presentation Judging will take place May 15th

2. Virtual Event Day – the event day will consist of the career fair, sponsor skillshops, expert chats and more. We are also planning to work gamification into this event for students to compete against each other for prizes. The date is still tentative currently. We will communicate the official date once finalized on the newsfeed at www.saeaerodesign.com/go/news

ORAL PRESENTATION PROCESS

Technical Oral Presentation Judging Schedule and Operations

All teams will be assigned a time slot to present to judges via WebEx. Teams will be emailed the WebEx details. Static Schedule is provided in this handbook.

Static Judging will consist of multiple days for each static event. Presentation Judging will take place on Friday, May 15 between the hours of 12:00 PM EST and 4:00 PM EST.

TECHNICAL PRESENTATION

- Like all professionals, engineers must possess a well-developed ability to synthesize issues and
- communicate effectively to diverse audiences. The technical presentation portion of the Aerodesign competition is designed to emphasize the value of an ability to deliver clear, concise and
- effective oral presentations. Teams can obtain a maximum technical presentation score of fifty
- (50) points. The presentation score shall be comprised of scores based on the presenter's
- delivery technique and the judges' evaluation of technical content, empirical analysis, and
- visual aide.

TECHNICAL PRESENTATION REQUIREMENTS

- Technical presentation shall last ten (10) minutes and be followed by a five (5) minute "Question and Answer" (Q&A) period.
- Technical presentation shall be delivered in English.
- Technical presentation shall address, but are not limited to, trade studies performed, design challenges, and manufacturing techniques.
- Technical presentation is limited to student team members only. Non-team member pilot, Faculty Advisors, and/or parents can attend the technical presentation but are prohibited from participating in the setup, delivery, and/or the Q&A.
- Assistance in the use of visual aids is advisable; Film clips, if used, may not exceed one-minute total duration; Film clips may not be accompanied by recorded narration.
- All Classes shall display their entry aircraft during technical presentation.
- Advanced class shall display one at least one (1) of each payload, including the colonist delivery aircraft.
- During the presentation and static display setup, the teams shall provide a single sheet (8.5" x 11") marketing/promotion piece to further detail aircraft's feature, capabilities, and unique design attributes.

ORAL PRESENTATION PROCESS

- Each presentation room shall have a lead judge with the responsibility to ensure compliance with competition rules and schedule. The lead judge will identify a timekeeper.
- With agreement from the speaker, the timekeeper will give the speaker a one (1) minute warning prior to the ten (10) minute limit.
- If the team exceeds the ten (10) minute limit, the team will be assessed a five (5) point penalty for going over the time limit.
- The presentation shall be stopped at the eleven (11) minute mark.
- A team shall have five (5) minutes for Q&A immediately following the presentation.
- Questions may be asked by any judge on the panel.
- Any time remaining or exceeding the ten (10) minutes shall be added to or subtracted from the five (5) minute Q&A.

Presentation Time Breakdown:

Time (Minutes) Description

2 Minutes Setup presentation, visual aide, and/or static display

10 Minutes Perform Technical Presentation

5 Minutes Questions & Answers

3 Minutes Pack-up presentation and static display

ORAL PRESENTATION SCHEDULE

schedule to be released soon

AWARDS

Regular Class Written Design Report

Award given to the top three best design reports in Regular Class

Advanced Class Written Design Report

Award given to the top three best design reports in Advanced Class

Micro Class Written Design Report

Award given to the top three best design reports in Micro Class

Regular Class Oral Presentation

Award given to the top three best sales presentations in Regular Class

Advanced Class Oral Presentation

Award given to the top three best sales presentations in Advanced Class

Micro Class Oral Presentation

Award given to the top three best sales presentations in Micro Class