



# INNOVATIONS IN MOBILITY

DETROIT, MI

## CALL FOR PAPERS/PRESENTATIONS

### SAE Student/Young Professional Technical Paper Competition

Fall 2020 | Detroit area

SAE Members that are students and/or young professionals (age 18-34) are invited to submit technical paper abstracts for competition and publication. Submissions will follow standard SAE event paper review and publishing practices. All papers receiving approval will be published by SAE. Final technical paper submissions will be reviewed and judged by the Competition Review Panel. Four winners (the top two student members and two young professional members) will be invited to present at the SAE Innovations in Mobility event to be held September 2020 in Detroit, Michigan (more details to come).

All approved papers will be published by SAE, but in addition, four ultimate main authors will be selected by the Competition Review Panel as the winners - the two highest scored student and two highest scored young professional papers. As the winners of this competition, main authors of the papers will receive an all-expenses paid trip to Innovations in Mobility and the opportunity to present your work among other industry experts.

## SAE will be accepting technical paper offers for the following automotive technology areas:

### Advanced Propulsion

- Battery technology
- Battery charging
- Power or Torque Transfer Systems
- All-wheel drive

### Automated/Autonomous and Connected Vehicles

- Sensors (LIDAR, RADAR, cameras, etc.)
- Sensor fusion
- Sensor data collection
- HD mapping
- Internet of Things
- Blockchain
- Artificial Intelligence
- Machine Learning
- Wireless communication
- Vehicle/fleet deployment strategies
- CyberSecurity
- Validation, certification, testing
- V2V/V2I
- ADAS
- L4/L5
- Active safety
- Occupant protection

### Urban Mobility and Smart Cities

- Micromobility
- Multi-modal Mobility
- Public Transportation
- Smart Cities
- Transportation infrastructure
- Power/Energy Grid and utilization
- Urban air mobility

**Abstracts must be submitted online via website page to only ONE session. Offered papers shall not have been previously published; and if accepted, contributors will not release their paper for publication through other media.**

#### Submission Rules

Abstracts must be submitted online via website page to only ONE session. Offered papers shall not have been previously published; and if accepted, contributors will not release their paper for publication through other media. The following information will be required during the on-line submission process:

1. A summary that states the objective of the paper/presentation
2. Tentative title
3. Name of the author and co-authors and all contact information
4. Selection of the most appropriate technical session

The following conditions and deadlines apply:

- Paper acceptance will be based on organizer moderated peer review of a review ready manuscript.
- Refer to the author resources site at [sae.org/participate/volunteer/author](http://sae.org/participate/volunteer/author) for other useful information in preparing your paper.
- Portal for submission of abstracts will be open on January 1, 2020
- Abstract submission period: January 1 through March 30, 2020
- Review Ready Manuscripts due to session organizers April 30, 2020
- Final Manuscripts and copyright assignment due to SAE July 31, 2020

Upon submission, you will receive an automatic reply with your paper offer number. If you do not receive a paper offer number at that point, please retry on-line submission or contact Nori Fought at [nori.fought@sae.org](mailto:nori.fought@sae.org)

**General Author Resources Page**  
[volunteers.sae.org/authors.htm](http://volunteers.sae.org/authors.htm)

**How to Write an SAE International Technical Paper**  
[volunteers.sae.org/authors/sae\\_tech\\_paper.pdf](http://volunteers.sae.org/authors/sae_tech_paper.pdf)

**Reviewer Resources**  
If you are interested in becoming a paper reviewer, guidance and judgement information is provided here [volunteers.sae.org/reviewers.htm](http://volunteers.sae.org/reviewers.htm)

**For questions contact Nori Fought**  
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**SUBMIT**

## Overview for Tech Paper Competition

This competition will provide SAE Student Members and young professional members (SAE Members age 34 and under) with the opportunity to gain exposure and recognition in the mobility field. Not only will you be able to network with some of the top industry experts, but you will also be highlighted to potential recruiters, and enhance your resume to gain a competitive edge in the industry.

All approved papers will be published by SAE, but in addition, four ultimate main authors will be selected by the Competition Review Panel as the winners - the two highest scored student and two highest scored young professional papers. As the winners of this competition, main authors of the papers will receive an all-expenses paid trip to Innovations in Mobility (more details to come on the final dates and venue) and the opportunity to present your work among other industry experts.

### Requirements:

#### Main Authors:

- You must be an active SAE Student Member or SAE Professional Member (18 – 34 years old) at the time of abstract submission.
  - Student candidates: Full time college/university student (at least 13 credit hours per semester) pursuing studies leading to any associate, bachelor, or doctoral degree
  - Young professional candidates: Professionals age 34 and under who have a qualified college or university degree in engineering; or have the required equivalent years of technical education and professional technical experience; or have distinguished service and noteworthy accomplishments
- You, as the main author, must also be listed as the presenter

#### Co-authors

- Not required to be a member, student, or young professional

### Guidelines

All accepted manuscripts will be reviewed and scored based off the standard SAE review process and expectations (found here

[https://www.sae.org/binaries/content/assets/cm/content/participate/organizer/judgebasis\\_numdesc.pdf](https://www.sae.org/binaries/content/assets/cm/content/participate/organizer/judgebasis_numdesc.pdf)) :

- Conclusions
- Archival value
- Integrity
- Quality
- Presentation
- Innovation

The SAE Membership Team will contact the selected main authors by August 30, 2020 via email/and or phone to invite them to present their papers at Innovations in Mobility. Attendance must be confirmed by early September, upon which a press release will announce the four winners. If confirmation of attendance is not received by the Membership Team, your spot will be forfeited and given to the next highest scored paper in your category.