

Call For Papers/Presentations

Brake Colloquium & Exhibition

September 15-18, 2024 | Grapevine, Texas, USA

The Colloquium is North America's critical gathering place for everyone involved in the science of braking from around the world. Experts from industry, research institutions and academia will convene in Grapevine, Texas to share their development and case studies in every critical aspect of braking for ICE, EV, and Hydrogen vehicle development for Passenger Cars, Trucks & SUVs, Commercial Vehicle, Aerospace, Railway and Motorcycle. This includes high performance/racing and aftermarket braking advancements.

The Technical Program Committee invites you to share your expertise through the development of a technical manuscript or presentation on latest technical ideas and advancements in brake technology with fellow industry professionals and decision makers at our 42nd annual Colloquium

Topics Under Consideration

- Friction Materials
- Raw Materials
- Disc and Drum Materials/ Design
- Braking Plates
- Noise Shims and Grease
- Automotive Brakes
- Commercial Vehicle Brakes
- Railway Brakes
- Wheel Bearings/Seals
- Impact of Fuel Economy on Brake Design
- High Performance Brakes
- Electric/Electronic Braking
- Braking for Electric, Hybrids, and Automated Driving
- Testing & Measurement
- NVH
- CAE
- Fundamental Mechanisms of Friction and Vibration
- New Innovative Technologies/ Products
- Actuator and Actuation Systems
- Artificial Intelligence
- Impacts of ADAS, AVS and CAV on Brake Development
- Edge Cases
- Emissions
- Hardware in the Loop

Now in its 5th year -- Student Poster Competition!
Calling all students to share your latest research on braking Technologies at the Poster Competition in Grapevine, Texas. In addition to a cash prize, this is a great opportunity to showcase yourself and present technology to industry professionals as well as have private networking opportunities with executives. Part of the prize monies awarded by the SAE Myers Award.

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.

- Paper acceptance will be based on organizer moderated peer review of a review ready manuscript.
- Refer to the author resources site at volunteers.sae.org/authors.htm for other useful information in preparing your paper.
- Portal for submission of abstracts will be open on November 30, 2023
- Deadline for submitting abstracts has been Extended to March 1, 2024
- Review Ready Manuscripts due to session organizers March 25, 2024
- Final Manuscripts and copyright assignments due to SAE July 8, 2024
- Authors will be charged a nominal

General Author Resources Page
volunteers.sae.org/authors.htm

How to Write an SAE International Technical Paper
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

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