



CALL FOR PAPERS/PRESENTATIONS

Brake Colloquium & Exhibition

October 17-20, 2021 | Orlando, Florida

There have been significant changes in brake development over the years and based upon future industry and end-user braking requirements the Technical Program Committee invites you to share our latest technical ideas and advancements with fellow industry professionals and decision makers from around the world at the Brake Colloquium. The Colloquium is the forum for executives, decision makers, engineers, research institutions and academic professionals to come together to share the science on brake developments from around the world so be a part of helping shape the future of brake development as we enter into the world of automated and electrified vehicle technology. You have two options to share your expertise. BRAKE 2021 provides the opportunity to present in-person at the event in Orlando or remotely in the accompanying virtual conference without the expense or concern of travel.



Industries of Focus

- Commercial Vehicle
- Motorcycle
- Passenger Cars, Trucks & SUVs
- Performance and Aftermarket Vehicles
- Aerospace
- Wind Turbine
- Railway Cars

Topics Under Consideration

- Friction Materials
- Raw Materials
- Disc and Drum Materials/ Design
- Backing 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 and Measurement
- NVH
- CAE
- Fundamental Mechanisms of Friction and Vibration

- New Innovative Technologies/ Products
- Actuator and Actuation
- Systems
- Calipers/Brake Corners/ Wheel Bearings/Assembly
- Advancements in Wet Friction
- Brake Fluids
- Aftermarket Brakes and Components
- Regulations and Standards
- Emission and Environmental
- Manufacturing and Quality
- Brake Hoses
- Controls & Mechatronics for Hybrid and Conventional Vehicles
- AEB
- ADAS
- Other

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

Abstracts must be submitted online via website 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 1, 2020**
- Deadline for submitting paper offers **March 15, 2021**
- Review Ready Manuscripts due to session organizers **April 26, 2021**
- Final Manuscripts and copyright assignments due to SAE **August 16, 2021**
- Authors will be charged a nominal registration fee for colloquium attendance.

For those unable to attend the conference or those that have research on other topics, you can submit written-only papers at any time here: editorialmanager.com/saetechpapers.

High quality event papers are now only considered for the new conference proceedings journal *SAE Journal of Advances and Current Practices in Mobility*. If an author wishes to publish in one of the other journals, they should submit the manuscript directly to that journal. An oral-only presentation offer can be submitted to BRAKE 2021 at the same time. The highly-related SAE journals for this event is *SAE Journal of Vehicle Dynamics, Stability, and NVH* or *SAE International Journal of Passenger Cars—Mechanical Systems*.

For questions contact

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Venue

The Brake Colloquium will be held at the RENAISSANCE ORLANDO AT SEAWORLD® in Orlando Florida. It is located approximately 20 minutes from the Orlando International Airport and steps of SeaWorld® theme park, near Aquatica, International Drive and Orlando's most celebrated attractions. The city of Orlando is a major industrial and hi-tech center nationally recognized as a cluster of innovation in digital media, agricultural technology, aviation, aerospace and software design. More than 150 international companies, representing 20 countries, have facilities in Metro Orlando. Orlando is home to the University of Central Florida and key vacation destinations such as SeaWorld, Walt Disney World, Universal Studios Hollywood, and Kennedy Space Center within driving distance.