



## Brake Colloquium & Exhibition

September 22-26, 2019 | 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 your 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 academics 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.



### Industries of Focus

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

### Topics Under Consideration

**Original Manuscripts and Oral Presentations are invited on the following topics**

- 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

**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.**

#### Important Dates

- 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](http://volunteers.sae.org/authors.htm) for other useful information in preparing your paper.
- Portal for submission of abstracts will be open on **October 14, 2018**
- Abstract Deadline for submitting paper offers **February 17, 2019**
- Review Ready Manuscripts due to session organizers **March 31, 2019**
- Final Manuscripts and copyright assignments due to SAE **July 15, 2019**
- Presentation Slides Due Date Deadline: **August 1, 2019**
- Authors will be charged a nominal registration fee for colloquium attendance.

**All Speakers are required to register by: July 15, 2019**

**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 is provided [here volunteers.sae.org/reviewers.htm](http://here volunteers.sae.org/reviewers.htm)

**For questions contact**  
**Kaleigh Matyas**  
SAE International  
+1.724.772.4047  
[kaleigh.matyas@sae.org](mailto:kaleigh.matyas@sae.org)

**SUBMIT**

### Venue

The Brake Colloquium back at the JW Marriott Orlando, Grand Lakes in Orlando Florida. It is located approximately 18 Minutes from the Orlando International Airport. 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 the University of Central Florida. Additionally, Orlando is a key vacation destination with Walt Disney World, Universal Studios Hollywood, and Kennedy Space Center within driving distance.