21–23 May 2019
International Congress Center
Dresden, Germany

Europe’s braking technology conference & exhibition

Call for Papers

Organised by FISITA
Welcome to EuroBrake 2019
The world’s largest conference and exhibition
dedicated to braking technology

EuroBrake was created in 2012 to address the profound changes in the demands made by the braking industry’s customers and end-users, and to provide a forum for companies, engineers and academics working in the area of brake technology to come together to share ideas.

Following six years of growth, EuroBrake has become established as the world’s largest technical event of its kind, attended by more than 1,100 delegates in 2018, with a significant technical programme of 140 technical presentations and featuring 100 international organisations within the exhibition. EuroBrake attracts a global audience of engineers, scientists, academics and executives from the industries of passenger car, commercial vehicle, rail and the wider industrial sectors.

In 2019, EuroBrake returns to Dresden, Germany from 21-23 May. We would like to invite authors to submit their abstracts for EuroBrake 2019, which should focus on a topic that is significant within the braking and friction industries, as well as science and academia. In 2018, an entire day of EuroBrake was dedicated to worldwide rail braking technology, parallel to other sessions, which proved to be very popular. Following this success, a series of innovative rail sessions will return to 2019, which will bring together global experts from some of the world’s leading organisations. New to 2019, there will also be a special focus on intelligent braking and controls.

Presenting at this international and highly regarded conference is your opportunity to reach an influential audience of braking specialists, to share knowledge and to connect with decision-makers from leading companies around the world. The enhanced Poster Showcase will be accessible throughout the whole event, presenting an attractive alternative to parallel sessions.

On behalf of FISITA and the EuroBrake Steering Committee, we invite you to present at EuroBrake 2019, and we look forward to welcoming you to Dresden next year.

Harald Abendroth
EuroBrake Chairman

Chris Mason
CEO, FISITA

“We have been contributing to EuroBrake since 2012 and in 2018 presented five papers to delegates. For braking technology, EuroBrake is the most important event in the world and an excellent platform to interact with our clients and promote our activities.”

Roger Mateu
Head of Braking Systems, Applus IDIADA
Topics for EuroBrake 2019

EuroBrake is an essential learning and networking event for engineers, scientists and executives concerned with braking systems throughout the value-chain including:

- Academia and research
- Aerospace
- Application
- Commercial vehicle
- Industry brakes
- Materials
- Motorcycle

Original Papers and Posters are invited on any of the following topics:

**Intelligent Braking and Braking Control**
- Brake Systems for Highly Automated Vehicles
- Braking for Electric and Hybrid Vehicles
- Innovative Parking Brake Systems
- Innovative Brake Actuators and System Controls (Software and Function Development)
- Safety relevant braking functions and state of the art engineering processes
- Development (process/products) of co-operating software and hardware solutions in brakes
- ERTMS - The European Railway Traffic Management System
- Control of Rail-Wheel Adhesion

**Environmentally-friendly Braking Systems**
- Sustainability in Brake Systems
- Brake Energy Management and Recuperation
- Brake Noise and Drag Reduction
- Lightweight Brake Components
- Brake Emission findings and available countermeasures

**Fundamentals of Brakes**
- Friction Interface Dynamics
- Frictional Induced Vibration
- Thermal Effects
- Particulate Emissions

**Manufacturing and Markets**
- Manufacturing, Quality Control and Warranty Claims
- 3D Printing of Brake Components
- Global Standardisation
- Aftermarket, Global Sourcing
- Governmental Regulatory Influence on Braking
- Regulation and Homologation

**Materials and Design**
- Innovative Friction Materials and Components
- Disc, Drum, Wheel Materials, Coatings and Design

**Simulation and Testing**
- Friction Material and Friction Couple Characterisation
- Noise Vibration Harshness
- Brake System and Component Performance
- Particulate Emissions
- Scale Testing for Research Development and Quality Control
- Virtual Validation and Certification of Brake Systems

Please submit your abstract online at [www.eurobrake.net/authors](http://www.eurobrake.net/authors) by 19 October 2018.

**Why present at EuroBrake?**

- Share your latest technical ideas and achievements with over 1000 fellow specialists from around the world
- Position your organisation as a leading innovator in braking technologies
- Build your professional network
- Discuss your work with the braking community
- Help shape the future of Europe’s major braking technology conference

**Important Dates**

- **Friday 9 November 2018**
  - Deadline to submit abstracts
- **Tuesday 22 January 2019**
  - Deadline for review-ready full papers
- **Tuesday 12 March 2019**
  - Deadline for upload of oral-only presentations
- **Friday 29 March 2019**
  - Deadline for final full papers
- **Friday 12 April 2019**
  - Deadline for upload of accompanying PowerPoints for full paper presentations

**EuroBrake will also feature:**

- **Dedicated Rail Braking Sessions**
  - Including panel discussions from selected experts within the rail community, and in-depth focus on challenges and experiences within the sector.

**Poster Showcase**

Authors will now have the opportunity to submit an abstract exclusively for poster presentation. Selected poster authors will have the chance to make a short presentation about their research in the dedicated Poster Showcase.

Papers should be original and must not have been presented elsewhere.
All papers must be written and presented in English.
EuroBrake’s accompanying technical exhibition offers an ideal opportunity to present your company’s products, services and technical capabilities to key decision-makers, from established industry brands to new entrants in specialist engineering.

Nearly 100 companies exhibited at EuroBrake 2018, including brake suppliers, component suppliers, material manufacturers and specialist engineering, testing, measurement and simulation providers. EuroBrake’s exhibition and sponsorship packages rapidly sell out, therefore we advise to book well in advance of the event as booths are sold on a first-come, first-served basis.

A range of sought-after sponsorship packages are also available to help position your company as a leader in the braking technology world.

For all exhibition, sponsorship and advertising enquiries please contact FISITA: sales@fisita.com, +44 1279 883470

“"It was a great experience to be part of the EuroBrake exhibition in 2018, which allowed us to promote the Horiba name, explain to customers what we do and make new contacts from all over the world."”

Greg Filer, Product Manager, Horiba Europe GmbH

Why exhibit at EuroBrake?

- Showcase your products, services and solutions to hundreds of international decision-makers
- Build relationships with existing and new customers throughout the vehicle and braking communities
- Save time and cost with an efficient programme located in a convenient European location
- Take advantage of great value exhibition and sponsorship packages which include delegate attendance, visibility in the programme and promotion throughout the FISITA network
Venue

EuroBrake 2019 will return to Germany at the International Congress Center Dresden (ICD).

The ICD is a state of the art conference centre located in the city’s old town on the bank of the River Elbe and has been host to three prior EuroBrake events.

Dresden is home to many high-tech companies in sectors including semiconductors and aerospace and is one of Germany’s foremost research locations, with higher education institutions such as the University of Applied Sciences and the Dresden University of Technology, as well as the Fraunhofer, Leibniz and Max Planck Institutes.

Dubbed as the ‘Florence of the Elbe’, Dresden is famed for its striking architecture and beautiful scenery. With its excellent infrastructure and valuable industry links, Dresden is the ideal location for EuroBrake 2019.

EuroBrake Student Opportunities Programme

A select group of fifty international students took part in the EuroBrake Student Opportunities Programme 2018, kindly sponsored by:

There are exclusive sponsorship opportunities for companies, delegates and exhibitors. Sponsors will secure a branded position on the Sponsor Wall in the Student Lounge, company logo featured within the Final Programme, online and in the EuroBrake app.

The sponsorship will be used exclusively to support students to attend EuroBrake and participate in the Student Opportunities Programme. You and your HR reps will be offered the unique opportunity to network with and nurture a new international talent pool of mobility engineers.

Contact FISITA at sales@fisita.com for more information
The Organisers

EuroBrake 2019 is organised by FISITA, the international membership organisation that supports the automotive and mobility systems sector in its quest to advance technological development. Having delivered against this mission for every generation of engineers since 1948, we are uniquely placed to promote excellence in mobility engineering and the development of safe, sustainable and affordable mobility solutions.

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