Europe’s braking technology conference & exhibition
Welcome to EuroBrake 2021

We invite you to submit a technical paper, presentation or poster to EuroBrake 2021. After Coronavirus impacted events in 2020, we offered authors the option to defer to 2021 or publish as part of a limited 2020 EuroBrake technical programme. Several chose to defer and so new submissions will be considered alongside these. We would like to grow our online and hybrid capabilities in 2021 by bringing you EuroBrake as a physical event in its traditional home of Germany, in addition to allowing you to access aspects of the technical sessions, exhibition and student programmes online if travel is still restricted.

Being a part of the technical programme at EuroBrake 2021 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.

Previous event highlights:

- Record number of delegates - 1,200 attendees from over 40 countries
- Over 150 technical presentations, 3 panel sessions, poster session and workshop
- Technical programme delivered high-quality content with an increasing focus on cutting-edge research and new technology
- EuroBrake proceedings are published on ProQuest
- 100 organisations in the international exhibition
- EuroBrake Student Opportunities Programme
- Highest ever satisfaction levels
  - 90% satisfaction with technical sessions
  - 92% overall satisfaction

“Everything was amazing.”

“Well organised conference. Friendly and resourceful staff working for FISITA.”

“Good networking opportunities.”

“The exhibition is a great opportunity to learn about future trends in braking technology.”

If you would like information about the exhibition and sponsorship opportunities available at EuroBrake 2021, please email Kerry McDiarmid on sales@fisita.com.
Call for Papers

**Technical papers accepted to EuroBrake are now published on ProQuest in their SciTech Premium collection.**

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
- Mechatronics and functional Software
- Motorcycle
- Passenger car
- Quality and process
- Rail
- Research and development
- Sales and purchasing
- Testing and measurement
- Wind turbines

**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

**Key Dates:**

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<td>Friday 16 October 2020</td>
<td>Deadline to submit abstracts</td>
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<td>Friday 22 January 2021</td>
<td>Deadline for review-ready full papers</td>
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<td>Friday 2 April 2021</td>
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<td>Friday 16 April 2021</td>
<td>Final date for approval of papers by reviewers</td>
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<td>Friday 23 April 2021</td>
<td>Deadline for amends to accepted manuscripts by authors</td>
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Call for Papers

Original papers, oral presentations and posters are invited on any of the following topics:

**Intelligent Braking and Braking Control**
- Brake Systems for Highly Automated Road and Rail 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
- Railway Traffic Management Systems

**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
- Friction-Induced Vibration
- Thermal Effects
- Wear and Emissions

**Manufacturing and Markets**
- Manufacturing, Quality Control and Warranty Claims
- Global Standardisation
- Aftermarket, Global Sourcing
- Governmental Regulation and Homologation of Brake Systems

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

**Simulation, Testing, Innovative Development Processes**
- Virtual Development Methods of Braking Hardware and Software
- Friction Material and Friction Couple Characterisation
- Simulation and Testing of Noise Vibration Harshness
- Simulating and Testing of Particulate Emissions
- Brake System and Component Performance
- Scale Testing for Research Development and Quality Control

**Virtual Validation and Certification of Brake Systems**
- State-of-the-Art Engineering Processes for Safety-Relevant Functions and Systems
- Development (Process/Products) of Cooperating Software and Hardware Solutions in Brakes

Papers should be original and must not have been presented elsewhere.
All papers must be written and presented in English.

SUBMIT YOUR ABSTRACT BY 16 OCTOBER
www.eurobrake.net/authors

Did you know you can also present your work as a poster?
Just choose to submit an abstract for poster-only presentation when prompted online.

Abstracts should contain the following:
- Title of the submission
- Clear description of the main scientific, technical, economic and/or practical points to be addressed, paying attention to those aspects of the work which are new, innovative and unique (350–500 words)
- Key words (3-5 words)

As we move towards carbon neutral economies, we particularly encourage submissions on environmental-friendly braking solutions for applications such as rail vehicles, electric road vehicles and wind turbines.
EuroBrake Student Opportunities Programme 2021

Will you support the next generation of mobility engineers?

A select group of fifty international students were invited to participate in the EuroBrake Student Opportunities Programme (ESOP) 2020. Thanks to all those who have supported ESOP in recent years including Altair, the 2020 ESOP sponsor:

![Sponsors Logos]

The EuroBrake Student Opportunities Programme will return in 2021 to provide a group of students with the opportunity to learn about the international braking industry, as well as participate in activities with braking and HR experts.

- There are exclusive sponsorship opportunities available – support the next generation of mobility engineers whilst enhancing your brand visibility throughout the event
- ESOP sponsorship will be used exclusively to support students to participate in the Student Opportunities Programme
- Students – applications will open in early 2021, check the EuroBrake website for full details

For more information on student opportunities contact Hayley Millar at h.millar@fisita.com

For more information on sponsorship opportunities contact Kerry McDiarmid at sales@fisita.com
The Organisers

EuroBrake 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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