



EuroBrake 2020

Organised by **FISITA** 

Barcelona International Convention Centre (CCIB)
Barcelona, Spain, 2-4 June 2020



Europe's braking technology conference & exhibition

Supported by:

STA

SOCIEDAD DE TÉCNICOS DE AUTOMOCIÓN

Confirmed EuroBrake 2020 sponsors:

Applus[®]
IDIADA

ITAPROCHIM
Materials solutions

HORIBA

LINK

Alroko[®]
Trust in reliability

Welcome to EuroBrake 2020

We invite you to join us at EuroBrake 2020, which will take place in Barcelona, Spain, one of the world's leading connected, cultural and historical destinations.

EuroBrake 2020 is set to be another record-breaking year, so this 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.

Offering an enviable climate and world-leading hub for business, Barcelona has direct links with many of the world's capital cities, via air, road, rail and sea, making EuroBrake 2020 extremely accessible.

*"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."*

2019 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 now published on ProQuest

100 organisations in the international exhibition

Successful EuroBrake Student Opportunities Programme

Highest ever satisfaction levels

- 90% satisfaction with technical sessions
- 92% overall satisfaction
- 95% likely to attend EuroBrake 2020

We look forward to welcoming you to the Barcelona International Convention Centre (CCIB) from 2-4 June 2020.





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 | ■ Materials | ■ Rail |
| ■ Aerospace | ■ Mechatronics and functional Software | ■ Research and development |
| ■ Application | ■ Motorcycle | ■ Sales and purchasing |
| ■ Commercial vehicle | ■ Passenger car | ■ Testing and measurement |
| ■ Industry brakes | ■ Quality and process | ■ 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:

Sunday 27 October 2019	Deadline to submit abstracts
Sunday 26 January 2020	Deadline for review-ready full papers
Sunday 12 April	Final deadline for modifications to technical papers
Wednesday 29 April	Cut off point for inclusion in proceedings
Friday 1 May	Deadline to upload draft presentations and draft posters
Sunday 24 May	Deadline to upload final PowerPoints



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 27 OCTOBER

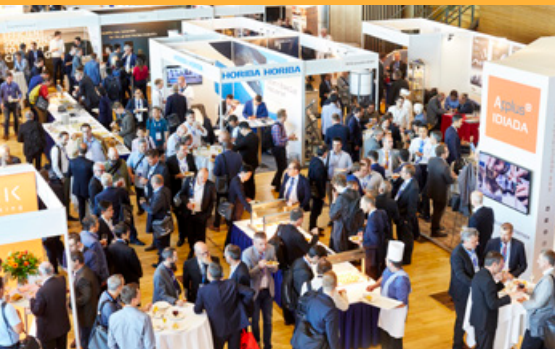
www.eurobrake.net/authors

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)

Did you know there are a range of discounts available for authors, chairs and academics of up to 70% off the standard EuroBrake registration fee?



Exhibition & Sponsorship

EuroBrake 2020 offers numerous commercial opportunities for your organisation - join some of the world's leading companies in braking technology and gain high visibility for your brand, through one of our sponsorship and exhibition packages.

EuroBrake exhibition packages enable your organisation to showcase braking products, services and technical expertise, enabling you to connect and reach out to the engineers and executives who will support your business objectives. Top reasons why you should exhibit?

- **Position your organisation at the largest braking event in the world**
- **Showcase your innovative products to a global audience**
- **Expand your business network**
- **Strengthen current relationships and form new connections**
- **Network with experts at social receptions and technical sessions**

A limited range of sponsorship opportunities are available for 2020, while more than half of the exhibition space is already sold, so you'll need to reserve your package as soon as possible.

Find out more - email: sales@fisita.com or Tel: + 44 (0) 1279 883 470.

EuroBrake 2019 at a glance:

90% overall satisfaction rate

94% satisfaction rate
with exhibition

92% will return to
EuroBrake 2020



"At IDIADA, we greatly value knowledge-sharing opportunities, having participated in EuroBrake for several years as exhibitors and presenters of technical papers. We are very pleased with our partnership as Diamond Sponsor and believe that it will continue to support the efforts of FISITA in advancing the knowledge of the brake technology community."

Carles Grasas, CEO, Applus IDIADA (EuroBrake 2020 Diamond Sponsor)



EuroBrake Student Opportunities Programme 2020

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) 2019.

Thanks to all those who have supported ESOP in recent years:

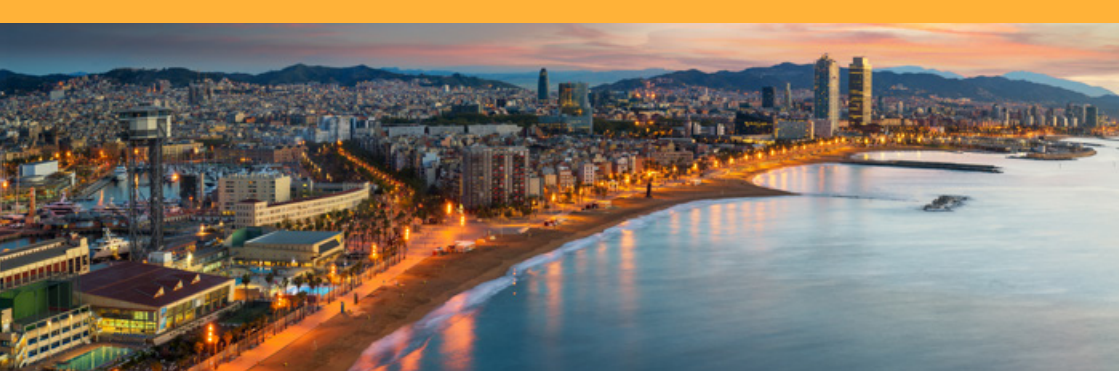


The EuroBrake Student Opportunities Programme will return in 2020 to provide a group of students with the opportunity to learn about the international braking industry, as well as participate in activities within the dedicated Student Lounge.

- **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 attend EuroBrake and participate in the Student Opportunities Programme**
- **Students – applications will open in early 2020, 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



Barcelona



2,513 hours of
sunlight a year



55
museums



4.5 km
of beach



9 World Heritage
sites



24 Michelin-starred
restaurants



43
markets



50
theatres



9
music festivals



5,913
restaurants

Barcelona International Convention Centre

The Barcelona International Convention Centre (CCIB) is a leading venue for international events.

Enjoying a privileged location in modern, cosmopolitan Barcelona, the CCIB can be found within the city's new business and technology district, known as Districte de la Innovació or 22@.

With its easy access, excellent links to public transport and the airport, and more than 4,500 hotel rooms in its immediate vicinity, the CCIB is a first-class destination within the business tourism sector.

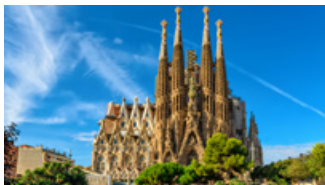


20 km to the airport

5 km to the Estació de França train station

6 km to the city centre

500 m from the beach



The Organisers

EuroBrake 2020 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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www.eurobrake.net