



22–24 May 2018

World Forum

The Hague, Netherlands

Europe's braking technology
conference & exhibition

Call for Papers

Organised by



FISITA





Welcome to EuroBrake 2018

**The world's largest conference and exhibition
dedicated to braking technology**



“I was delighted to attend EuroBrake 2017. I enjoyed meeting lots of new people, hearing the presentations and taking part in discussions with others regarding solutions for our problems. It was great being here.”

Miryam Hloch
Ford - Belgium

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.

EuroBrake continues to develop each year and in 2017 we welcomed more than 1,000 international delegates of the highest calibre from 40 countries to Dresden, Germany.

In 2018, EuroBrake moves to the World Forum in The Hague, Netherlands from 22-24 May. We would like to invite authors to submit their abstracts for EuroBrake 2018, which should focus on a topic that is significant within the braking and friction industries, as well as science and academia. Parallel to other sessions, an entire day of the conference will be dedicated to worldwide rail braking technology, which will bring together leading experts from Europe and Asia.

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. EuroBrake features more than 120 technical presentations and a poster programme that is accessible throughout the whole event, presenting an attractive alternative to parallel sessions.

With over 100 international exhibitors, 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.

On behalf of FISITA and the EuroBrake Steering Committee, we invite you to EuroBrake 2018, and we look forward to welcoming you to The Hague next year.


Harald Abendroth
EuroBrake Chairman


Chris Mason
CEO, FISITA

Topics for EuroBrake 2018

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

- **Rail**
- **Passenger car**
- **Commercial vehicle**
- **Motorcycle**
- **Aerospace**
- **Industry brakes**
- **Wind turbines**
- **Academia and research**
- **Application**
- **Research and development**
- **Materials**
- **Quality and process**
- **Testing and measurement**
- **Sales and purchasing**

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

Braking Systems

Braking of Autonomous Vehicles
Braking for Electric and Hybrid Vehicles
Advanced and Combined Brake Systems
Robust Brake Systems
Parking Brakes
Brake Actuators and System Control
Counter Measures Against Brake Noise and Drag
Status and Diagnostic Systems
Energy Recuperation

Fundamentals of Brakes

Friction Interface Dynamics
Friction Induced Vibration
Thermal Effects

Manufacturing and Markets

Manufacturing, Quality Control and Warranty Claims
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
Friction Material and Friction Couple Characterisation
Environmentally Friendly Friction Couples, Brake Emissions

Simulation and Modelling

Noise Vibration Harshness
Brake System and Component Modelling
Emissions

Validation and Testing

Brake System and Component Testing
Scale Testing for Research, Development and Quality Control
Performance, NVH and Brake Emission

Please submit your abstract online at www.eurobrake.net/authors by 20 October 2017.

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 20 October 2017

Deadline to submit abstracts

Tuesday 23 January 2018

Deadline for review-ready full papers

Tuesday 13 March 2018

Deadline for upload of oral-only presentations

Friday 30 March 2018

Deadline for final full papers

Friday 13 April 2018

Deadline for upload of accompanying PowerPoints for full paper presentations

New to EuroBrake 2018

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.

Enhanced Poster Programme.

Poster authors will have the opportunity to make a short presentation about their poster, open to all EuroBrake delegates at specific allocated times.

Abstracts should be one A4 page and contain the following:

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

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



Exhibition & Sponsorship



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.

Over 100 companies exhibited at EuroBrake 2017, 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.

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

For all exhibition, sponsorship and advertising enquiries please email Leila Silva at l.silva@fisita.com

“Everyone that attends EuroBrake has a key position in the braking industry. We are a key player so we have to attend the event, that's why we have been here from the beginning.”

Jörg Sauer, Polytec



Venue



EuroBrake 2018 will be held at the World Forum in The Hague, Netherlands.

The World Forum is an international conference venue in The Hague conveniently located between the beach and city centre - and only 30 minutes' drive from Schiphol Airport, one of Europe's most connected airports.

The Hague offers a unique combination of city and beach life. The Louwman Museum located in The Hague is home to the world's oldest private collection of automobiles.



EuroBrake Student Opportunities Programme 2018

The EuroBrake Student Opportunities Programme 2017 was kindly sponsored by Daimler, Audi, Bosch, Brembo, Continental, FISITA, Lapinus Fibres, NUCAP, TMD Friction, ZEON and ZF. The sponsorship went towards places for the top 50 students from around the world.

Applicants were required to answer three technical questions as well as submit their CV and cover letter.

The Student Opportunities Programme included an introductory lecture on braking, dedicated student lounge, the opportunity to meet with Human Resources representatives from the sponsor companies for study and career advice as well as access to the full EuroBrake technical programme and exhibition.

Activities and events for students at EuroBrake 2018 will be developed to include:

- **Unique student lounge – a dedicated space for students to meet, network and relax**
- **Activities and events to support talented young engineers to enter the industry (CV check, 121 meetings with academia and industry etc.)**
- **Comprehensive introductory lecture covering specific aspects of braking**
- **Sponsorship opportunities for companies, delegates and exhibitors to support and meet a new talent pool of international engineering students**
- **Round table/panel discussions bringing together students, academics and sponsors for an in-depth knowledge exchange on academic and industry trends and topics**

Register your interest at www.eurobrake.net/students

The Organisers

EuroBrake 2018 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.

Contact us

EuroBrake

FISITA (UK) Limited
29 M11 Business Link
Stansted
Essex
CM24 8GF
United Kingdom

Tel: +44 (0) 1279 883470

Email: info@eurobrake.net

Registered in England: 03572997

Email: info@eurobrake.net

www.fisita.com

Follow us



@FISITAhq



company/fisita



FISITA.official

Steering Committee

Harald Abendroth

Chairman, EuroBrake 2018

Prof. David Barton

University of Leeds

Prof. Yannick Desplanques

Centrale Lille

Klaus Jäckel

Mercedes Benz Trucks | Daimler AG

Loïc Lelièvre

FLERTEX

Jan Münchhoff

AUDI AG

Prof. Dr. Georg Ostermeyer

TU Braunschweig

Dr.-Ing. Ludwig Vollrath

Consultant

Advisory Board

Prof. Dr. Adnan Akay

Bilkent University

Prof. Jayashree Bijwe

Indian Institute of Technology

Franck Bourgeteau

SNCF

Dr. Stefan Dörsch

DB Systemtechnik GmbH

Prof. Philippe Dufrénoy

University of Lille

Prof. John Fieldhouse

JDF Consulting

Prof. Peter Filip

Southern Illinois University
Carbondale

Prof. Dr.-Ing. Stefan Gies

Volkswagen AG

Johannes Gräber

Knorr-Bremse - Systeme für
Schienenfahrzeuge GmbH

John Hudson

TMD Friction Holdings GmbH

Roland Klement

Schmitz Cargobull AG

Takashi Kudo

Akebono Brake Industry Co. Ltd.

Ralph Lauxmann

Continental AG

Edwin Liebemann

Robert Bosch GmbH

Roy Link

Link Engineering

Luca Martinotto

ITT Friction Technologies

Manfred Meyer

ZF TRW

Dr. Rainer Müller-Finkeldei

Daimler AG

Prof. Dr. Maasaki Nishiwaki

Kanagawa Institution of
Technology

Franck Poisson

SNCF

Dr. Seong Kwan Rhee

SKR Consulting, LLC

Yukihiro Shiomi

Toyota Motor Corporation

For more information and to subscribe to the EuroBrake newsletter BrakingNews, please visit

www.eurobrake.net