

FISITA

The global alliance advancing the technology of mobility



8-10 June 2027

Palau de Congressos de Catalunya, Barcelona, Spain

2027 Student and Young Engineer Opportunities Programme

Call for entries





Student Opportunities Programme

Welcome to the FISITA 2027 Student and Young Engineer Opportunities Programme (ESOP)

The FISITA 2027 Student and Young Engineers Opportunities Programme is a global competition designed to inspire and showcase the next generation of automotive and mobility engineers.

It provides students and young engineers with a unique platform to develop, present and demonstrate innovative solutions to real-world mobility challenges, combining technical excellence with practical application, commercial viability and environmental impact.

Through the programme, participants gain invaluable hands-on experience in engineering design, analysis, project management, teamwork and presentation skills, while connecting with an international network of industry experts and peers.

The programme encourages creative thinking, local innovation and scalable solutions that can help shape the future of sustainable mobility around the world.

Call for entries

The EuroBrake Student and Young Engineers Opportunities Programme initiative is returning in 2027. It's FREE to enter.

The top 20 students / young engineers will be offered the opportunity to receive a complimentary pass to EuroBrake 2027 on 8-10 June in Barcelona, Spain*.

The aim of the programme is to provide students / young engineers with a unique chance to learn about the international technology of mobility and braking industry, as well as participate in activities with peers and experts.



* Please note, successful candidates' accommodation costs will be covered, however they will be required to cover the cost of their travel to EuroBrake.

Programme activities

In addition to attending the EuroBrake conference and social programme, there will be a dedicated Student and Young Engineers Opportunities Programme of activities which will include:

- ✓ **“Meet the experts” sessions** – speak with industry leaders to explore the most pressing themes and questions of the mobility industry.
- ✓ **Poster session** – get the opportunity to present to and speak with the experts and delegates at the EuroBrake conference, make meaningful connections, and expand the awareness of your work.
- ✓ **Student employability sessions** – exploring the key topics for future career development with industry experts including HR.

Entry criteria

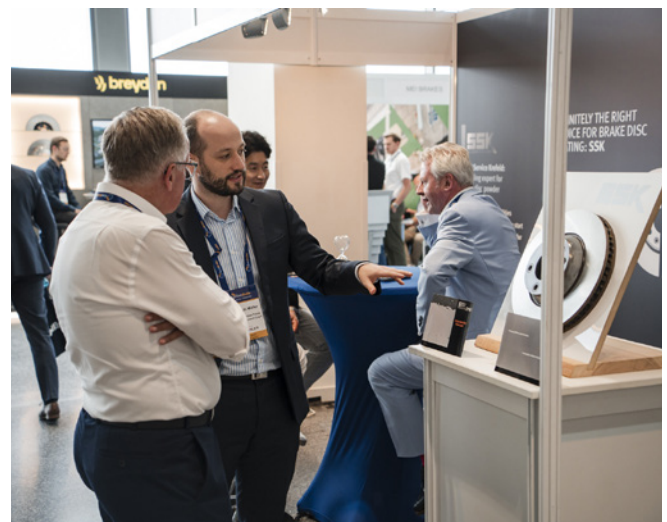
Students who have either recently completed or currently studying on any of the below engineering-based university courses:

- ✓ Bachelors
- ✓ Masters
- ✓ PhD

Or young engineers who are in their first work placement following university graduation

Students should specify if they are answering the challenge as part of university course or if working. You can enter as an individual or a team of 4 maximum. To ensure that the expected output is appropriate to each level of study, the deliverables are proposed per Bachelors, Masters, PhD.

Applicants studying on a course which includes consideration of braking technology are encouraged to prepare an abstract followed by a poster presentation, on any of the subjects detailed below, for display at EuroBrake. All posters will then be automatically entered in the EuroBrake poster competition. See application form for further information. Applicants are required to complete the application form and provide a copy of their CV and proof of student or graduate status.





Why enter the EuroBrake 2027 Student and Young Engineer Opportunities Programme?

- Free to enter.
- Present your innovative ideas and solutions to over 1,000 global braking experts at the EuroBrake in Barcelona, Spain on 8-10 June 2027.
- Build & expand your professional network by connecting with international experts from the forefront of tomorrow's mobility & the braking community, all gathered under one roof.
- Engage with peers and industry professionals, ranging from fellow students to CTOs.
- Contribute to shaping the future of mobility & braking technology as the industry drives towards a clean, safe, and sustainable evolution.
- Participate in the dedicated EuroBrake 2027 Student and Young Engineer Opportunities Programme, featuring a poster session, opportunities to meet with industry experts, and much more...

The finalists will receive:

- ✓ An automatic entry for the EuroBrake poster competition.
- ✓ An inclusion within the EuroBrake event proceedings where their submission will be published.
- ✓ Recognition for the winner of the poster competition via FISITA's communication channels.
- ✓ Free access to the FISITA Digital Library.
- ✓ A free ticket to the Barcelona 2027 event including accommodation and entrance worth €1,500+ (note that travel will not be included and prize applies to one person attending per team).



EuroBrake 2027 Poster Competition topics

Components and materials

- Brake mechanisms, rotors and lightweight design
- Friction materials and testing for EVs / BEVs
- Coatings, corrosion resistance and durability
- Sustainable raw materials and aftermarket solutions

Environmentally friendly approaches

- Brake and tyre wear emissions
- Health and environmental impacts
- Emission reduction technologies and green brakes
- Euro 7 and UN GTR 24 compliance

Testing, standardization and certification

- Brake wear, emissions and NVH testing
- Small-scale testing and full-scale correlation
- Corrosion, durability and automated test methods
- Standards, certification and regulation

Modelling and digital engineering

- Wear, emissions and NVH simulation
- Digital twins and data-driven development
- AI / ML methods, FEA and virtual certification
- Integration of modelling, simulation and testing

Brake systems and vehicle integration

- EMB, brake-by-wire and new braking technologies
- Functional safety, redundancy and health monitoring
- Automated driving and vehicle motion control
- Chassis, software and system integration

Electrification and application areas

- Regenerative braking and recuperation
- EV, BEV and alternative-powertrain requirements
- Commercial vehicles and railway braking
- Motorcycles, motorsport and industrial brakes



Entry Format

- ✓ An initial abstract (500 words max) followed by a poster
- ✓ Must be original content
- ✓ Written in English
- ✓ Accepted applicants will be invited to submit a poster.

Poster Format

- ✓ Common A0 poster format across all three levels, using a standard EB template (to be provided) to facilitate comparison and exhibition during the event.
- ✓ Poster should present: context/objective, methodology, key results, and conclusions/next steps.
- ✓ Submission process to be advised to accepted applicants

Evaluation Criteria

- ✓ Technical relevance and quality of the proposed solution relative to the topic.
- ✓ Research impact (for PhD students)
- ✓ Clarity and rigor of methodology (scaled to level of study).
- ✓ Quality of communication (written paper where applicable, and poster).
- ✓ For PhD/Master's: supervisor endorsement confirming the scientific soundness of the work.

How to apply:

- ✓ Please complete your application as a team/individual for this competition by following this [link](#) to the application form. There is a form to complete and instructions on how to upload the files required.
- ✓ Via the [link](#), you will be able to submit your entry, where it will be reviewed by the Eurobrake ESOP Committee and leading global experts from the mobility industry. Responses will be sent according to the timeline.
- ✓ Please email ESOP@fisita.com for any queries



Key dates

- 17 January 2027** Deadline to submit abstract
- 21 February 2027** Acceptance notifications expected
- 21 March 2027** Deadline to submit your poster
- 11 April 2027** Initial poster feedback to authors by reviewers
- 25 April 2027** Deadline to upload final poster
- 9 May 2027** Announcement of successful students
- 8-10 June 2027** Event

.....
Please contact us for any questions: ESOP@fisita.com
.....

Permissions and copyright assignment

ALL authors submitting a full written paper must assign copyright of their materials to FISITA for it to be published. By entering the competition, you are giving permission for copyright to be assigned to FISITA. The submissions will be available to EuroBrake attendees and FISITA members after the event and by agreeing to take part in the event, you are giving permission for content to be used in this manner.

EuroBrake is organised by FISITA, the global membership organisation for the technology of mobility industry.

FISITA membership supports hundreds of thousands of engineers across four member-category types including Automotive Engineering Societies, Corporate Members, Strategic Partners, and Academia.





Contact us

FISITA (UK) Limited

New Mead Barn

Wickham Hall, Hadham Road

Bishop's Stortford

Herts

CM23 1JG

United Kingdom

Follow us

 ESOP@fisita.com

 www.fisita.com/eurobrake

 [/company/FISITA](https://www.linkedin.com/company/FISITA)



BARCELONA Spain 8–10 June 2027

EuroBrake is organised by FISITA, the global membership organisation for the technology of mobility industry. FISITA membership supports hundreds of thousands of engineers across four member-category types including Automotive Engineering Societies, Corporate Members, Strategic Partners, and Academia.