



*Automobiles and Sustainable Mobility*



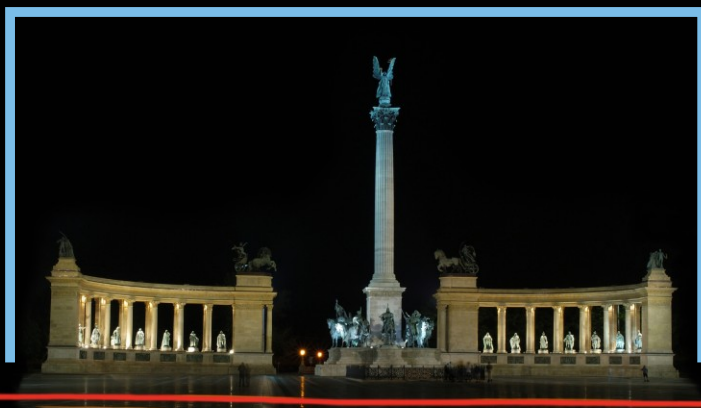
## Second Announcement

# FISITA

# 2019

**World Automotive Congress**

**30 May – 4 June, Budapest, Hungary**



[www.fisita2010.com](http://www.fisita2010.com)

## Introduction

The automotive industry is facing one of the most difficult periods in its history.

Global vehicle markets have been hit hard by the financial crisis. But look beyond the current economic turbulence and it is clear that the demand for personal mobility will continue to increase, while at the same time, the pressure from society to reduce the environmental impact of vehicles is intensifying. The only solution lies in engineering technology.



**Christoph Huss**

FISITA President 2008-2010

FISITA has organised the World Automotive Congress for more than 60 years. Throughout this time, the automotive industry has continued to evolve and innovate and the FISITA Congress has done the same. Our theme for FISITA 2010 is Automobiles and Sustainable Mobility. This means providing engineers with the knowledge and insights they need to develop cleaner, safer vehicles in ways which meet the needs of drivers and society on a profitable basis.

It involves helping engineers to navigate through the many promising advances in conventional and alternative powertrain technologies which will help our industry to continue reducing the CO<sub>2</sub> emissions from road transportation.

It also involves understanding the radical transformation taking place in today's global industry, where emerging markets demand vehicles tailored for local needs, and even the creation of new vehicle categories. The division of labour between vehicle manufacturers and suppliers changes all the time, posing new challenges for collaboration and logistics throughout the supply chain.

For the first time, the FISITA 2010 Congress will devote a special session to the development of Commercial Vehicles – a branch of the automotive industry which is vital to the health of the global economy and which has been hit especially hard by the financial crisis. The Truck and Bus industries are pioneering a number of exciting, progressive technical solutions which will have impact throughout the transport world.

The automotive industry today is about much more than just vehicles. Sustainable mobility will also require the deployment of state-of-the-art intelligent transportation systems for efficient traffic control, utilising the latest car-to-car and car-to-infrastructure communications technologies. Our philosophy in organising this Congress is that we are no longer simply in the business of making cars – but of providing personal mobility to meet the needs of people everywhere.

We believe that the current environmental and financial pressures are combining to force major changes in the way that automobiles are developed, manufactured, sold and used. Innovation and collaboration will be key to success in this new world order. If we don't want to be left behind, we must equip ourselves with the latest information, creative thinking and global perspectives.

The FISITA Congress is the best way for engineers and executives to come together to share technical knowledge and meet the challenges facing our industry.



**Andor Paizer**

FISITA 2010 Congress Chairman

## Main Themes of the Congress

Authors are invited to submit technical papers on the following themes:



### A Environmentally friendly vehicles

- A1** IC engines: goals and developments
- A2** Tools for emission reduction, zero emission in the future
- A3** Alternative fuels and related systems (e.g. electric, hybrid, fuel cell, NCG, LCG, bio-fuel)
- A4** Sources of noise, reduction of vehicle noise
- A5** Means to reduce energy consumption



### B Vehicle design and development

- B1** Styling, aerodynamics
- B2** New concepts, materials and tools in body design
- B3** Vehicle families based on platform-sharing, chassis design
- B4** Development of main parts, components and vehicle systems
- B5** Design for manufacturing, maintenance and repair
- B6** Development of vans and special vehicles (e.g. off road, mobile machinery)
- B7** Micro cars and low cost vehicles for emerging markets



### C Test, simulation and calculation methods of vehicles and components

- C1** Advanced engineering technologies and tools
- C2** Methods of strength and service life estimation
- C3** Vehicle performance tests and simulation
- C4** Testing and simulation of vehicle and component dynamics
- C5** Tools and methods for whole vehicle systems engineering



### D Safety on roads

- D1** Accident statistics, analysis and reconstruction techniques
- D2** Injury mechanisms, injury reduction and avoidance
- D3** Active safety issues (e.g. braking systems, steering, suspension, stability, lighting)
- D4** Passive safety issues (e.g. compatibility of vehicles, energy absorption, survival space concept, biological-load limitations, passenger retention systems)
- D5** Protection of vulnerable road users (pedestrian, bicycle)
- D6** Road infrastructure and vehicle safety



### E Intelligent systems in road traffic

- E1** Intelligent vehicle systems (e.g. driver-vehicle interaction, control of vehicles, crash avoidance)
- E2** Intelligent traffic systems (e.g. GPS based systems, driver's information, lane-keeping systems, control of traffic lights, vehicle to vehicle communication)
- E3** Intelligent Transportation Systems (traffic and vehicle fleet management)
- E4** Connectivity of intelligent systems, security questions





## F Buses, trucks and heavy vehicles\*

- F1** Development, new design, new vehicles
- F2** New propulsion system arrangements
- F3** Passenger comfort and safety
- F4** Protection of drivers and crew
- F5** Under-run protection
- F6** Fires in heavy vehicles, fire protection
- F7** Evacuation of buses, emergency exits
- F8** Performance based design of large special-vehicles for road use

\*Theme **F** incorporates the 41st Meeting of Bus and Coach Experts organised annually by the Hungarian Society GTE.



## G Vehicle standards, regulations, legislation

- G1** Globalization of vehicle standards and regulations
- G2** New directions in international regulations
- G3** General questions of vehicle and component approvals



## H Efficient production and operation of vehicles and components

- H1** Performance/cost material selection, new materials
- H2** Modularisation in design for economical production
- H3** Life cycle concept in production, service and recycling
- H4** Supplying chain and logistics
- H5** Efficient new technologies in production
- H6** Customer based sales and services

## Important Dates

- Deadline for abstract submission (extended)
- Notification to authors
- Preliminary congress programme with registration form
- Deadline for abstract submission to the Student Congress
- Deadline for submission of all final papers
- FISITA 2010

- 15 July 2009**
- 30 September 2009**
- 31 October 2009**
- 15 November 2009**
- 15 March 2010**
- 30 May–4 June 2010**

## Registration

Registration is possible only via the Congress website: [www.fisita2010.com](http://www.fisita2010.com)

For your information, the Congress fees in Euros are as follows:

	until 31 January	until 30 April	from 1 May
Speakers, Poster authors,* Session Chairs (OECD)	<b>800</b>	<b>870</b>	<b>950</b>
Speakers, Poster authors,* Session Chairs (non-OECD)	<b>650</b>	<b>700</b>	<b>750</b>
Delegates (FISITA member societies)	<b>990</b>	<b>1090</b>	<b>1190</b>
Delegates (OECD)	<b>1100</b>	<b>1200</b>	<b>1300</b>
Delegates (non-OECD)	<b>800</b>	<b>870</b>	<b>950</b>
Students		<b>250</b>	
Accompanying Persons		<b>250</b>	

\*One author per paper

## Submission of Abstracts

Abstracts must be submitted in English via the Congress website:

[www.fisita2010.com](http://www.fisita2010.com)

and should contain the following:

- Title of the paper
- Contact information for author and co-authors (name and title, company, position, country, email, fax, phone, mailing address)
- 3-5 key words
- Subject group(s) the paper belongs to, first and second option (e.g. F4 and / or D4, may be G2)
- Abstract (clear description of the subject, main results and conclusions reached. The description shall be in the range of 2000-2500 characters. In the case of any matrix, diagram or picture their content must be described and the text shall be shortened.
- The statement of the author that the paper is original and has not been published or presented elsewhere.
- The whole, complete abstract listed above shall be presented on one page (not more).
- Please note that the Book of Abstracts will be printed in black and white.

Abstracts not meeting the requirements above will be refused.

Papers must be written and presented in English. Oral presentations are allocated 20 minutes each, plus discussion.

The Scientific and Technical Committee (STC) will decide whether to accept a paper on the basis of the abstract. Abstracts should clearly set out the main scientific, technical, economical and / or practical points to be addressed, paying particular attention to those aspects of the work which are new, innovative and unique.

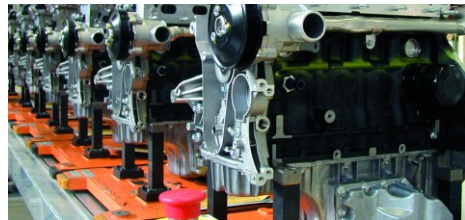
STC will also decide whether to accept the paper for oral or poster presentation, taking into consideration the total number of abstracts received in each subject group, and will inform authors accordingly. Only papers presented by their authors at the congress will be published in the Book of Abstracts and Congress Proceedings.

## Student Congress

Students are invited to present their technical papers on the same topics as the main congress, which they may also attend. Registration to the Student Congress is restricted to full-time engineering students. Proof of student status is required when registering, along with a signature of approval from a representative of a national FISITA member society or university/college. Abstracts for the student congress may be submitted up to the deadline of 15 November 2009.

## Travelling Fellowship

FISITA offers young automotive engineers under the age of 35 the opportunity to participate in a two week Travelling Fellowship programme, supported by the national FISITA member societies. This programme starts one week prior to the main congress. It is a great opportunity to take part in the many interesting technical and cultural programmes in Hungary. Participants are also invited to attend the Student Congress and main congress. More detailed information will be available in September 2009.



## Technical Visits

On 3 June half day technical visits will be available.  
On 4 June whole day tours will be offered combining technical visits and cultural programmes.

## Overview Timetable

MONDAY (31 May)

TUESDAY (1 June)

WEDNESDAY (2 June)

THURSDAY (3 June)

FRIDAY (4 June)

9:00

Opening ceremony

Oral presentations in technical and executive sessions

Oral presentations in technical and executive sessions

Oral presentations in technical and executive sessions

Combined technical and cultural programmes

10:00

Plenary lectures

Break: posters and exhibition

Break: posters and exhibition

Break: exhibition

11:00

Opening of exhibition

Panel session: round table

Oral presentations in technical and executive sessions

Plenary lectures

12:00

Oral presentations in technical and executive sessions

Break: posters and exhibition

Break: posters and exhibition

Closing ceremony

13:00

Break: posters and exhibition

14:00

Oral presentations in technical and executive sessions

Oral presentations in technical and executive sessions

Oral presentations in technical and executive sessions

Technical visits

15:00

Break: posters and exhibition

Break: posters and exhibition

Break: posters and exhibition

16:00

Oral presentations in technical and executive sessions

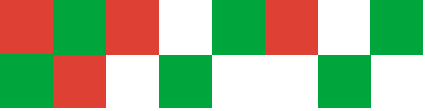
Oral presentations in technical and executive sessions

Oral presentations in technical and executive sessions

17:00

Congress Concert

Gala Dinner

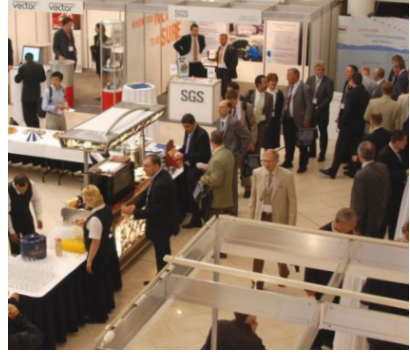


## Exhibition and Sponsorship

The accompanying technical exhibition is a highlight of the FISITA Congress. At FISITA 2008, 95 top international companies exhibited their products, services and technical capabilities to delegates attending from over 40 countries. They included passenger car and commercial vehicle manufacturers, system and component suppliers, suppliers of advanced electronics and software, engineering service providers, consultancies and specialists in testing, measurement and development solutions. All companies working in the automotive industry are invited to attend as exhibitors to the FISITA 2010 World Congress.

Exhibition stands will be located in the specially constructed exhibition area next to the congress venue. In order to ensure maximum interaction with conference delegates, the organisers will lead the main path (traffic zone) through the exhibition area. Coffee breaks and a beverage zone will be located in the exhibition area, and lunch will be served next to the exhibition. In mid session intervals, during the lunch break, various daily podium performances will attract visitors to the exhibition hall, which will offer a very flexible stand concept either for your own stand (space only) or a fully equipped solution which can be reserved (stands available from 6 – 18 m<sup>2</sup>). A free WiFi zone will be located within the exhibition hall and seating will be located in the Internet Café.

The organisers will offer outdoor exhibition possibilities for companies wishing to exhibit cars, buses, commercial vehicles near to the exhibition.



The FISITA 2010 World Automotive Congress provides a range of sponsorship opportunities. By sponsoring the FISITA Congress you have the opportunity to demonstrate your company's commitment to supporting the latest global advances in sustainable mobility and to raise your profile among the most influential technical decision-makers in the global automotive industry. For more information about exhibiting and sponsorship opportunities, please visit the congress website: [www.fisita2010.com](http://www.fisita2010.com) or contact [fisita2010@diamond-congress.hu](mailto:fisita2010@diamond-congress.hu).

Please register as early as possible. Recommended date for application of companies before **31 October 2009**.

## Contacts

### Organising Society

Scientific Society for  
Mechanical Engineering (GTE)  
H-1027 Budapest, Fő u. 68., Hungary  
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Fax: +36 1 202 9810  
Email: [fisita2010.gte@mtesz.hu](mailto:fisita2010.gte@mtesz.hu)

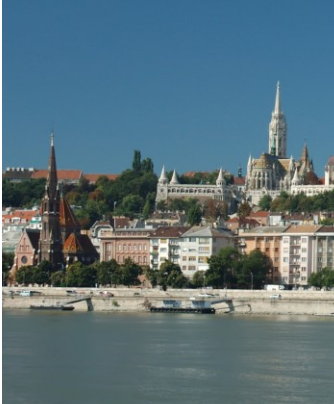
### Congress Secretariat

Diamond Congress Ltd.  
H-1255 Budapest, P.O. Box 48, Hungary  
Phone: +36 1 225 0210  
Fax: +36 1 201 2680  
Email: [fisita2010@diamond-congress.hu](mailto:fisita2010@diamond-congress.hu)

## Congress Venue

Budapest, the capital of Hungary, is an economic, financial and cultural centre with two million inhabitants.

The city of Budapest is situated over the river Danube, and has a history dating back over 2000 years. The city combines a variety of architectural styles, from Roman monuments to ultra-modern buildings made from glass, metal and halogen. Aside from the history and beauty of Budapest, inhabitants throughout the centuries have made the city what it is today.



The venue, University Congress Centre, is fully equipped with state-of-the-art technology and a complete range of conference facilities. It is situated in a pleasant and peaceful park on the Danube embankment, and is easily reached by public transport.



## Travel to Hungary

Budapest is located in the heart of Europe, with easy access from all directions. To travel to Budapest by air, the international airport of Budapest (Ferihegy, terminals 1, 2A, 2B) connects the city to all important European and overseas destinations, with daily direct flights from most European and some North American cities. Ferihegy Airport is located 20 km from the city centre.

The three main railway stations (Déli, Keleti and Nyugati) connect Budapest with many intercity routes from all directions. Coach services to Budapest are 2-3 hours from Vienna.

Hungary is part of the Schengen area of 25 European countries. For non-Schengen EU, USA and Canadian citizens, a valid passport is required to enter Hungary. Citizens from other countries should check before travelling whether they require a visa to enter Hungary.