



# insidetrack

the newsletter of the International Federation of Automotive Engineering Societies

## COP-15 climate talks

FISITA named as accredited NGO



## Educators seminar

EU support for new event



## APAC Congress

Preview of meetings in Hanoi



# First FISITA Summit demonstrates commitment of engineers to fight CO<sub>2</sub>



**A new chapter opened in FISITA's history this summer with the staging of the first FISITA World Automotive Summit in Falkenstein, Germany. In a bid to bring together the automotive community ahead of this December's crucial COP 15 climate talks in Copenhagen, the first FISITA Summit set out to address the question: What are the most effective ways to achieve significant CO<sub>2</sub> reductions in road transportation?**

Jack Jacometti, VP Future Fuels & CO<sub>2</sub> at Shell International Petroleum, asks a question of one of the speakers at the FISITA Summit.

An influential group of senior executives, academics, policy experts and government figures gathered from 15-16 July in Falkenstein, Germany for the meeting, which was sponsored by VDI-FVT. The programme began on the evening of 15 July with an

informal dinner featuring a speech from James Woudhuysen, author of *Energise! A future for Energy Innovation*. On the following morning, speakers including Dr. Lew Fulton of the International Energy Agency, Prof. Ouyang Minggao, Director of

China's State Key Laboratory of Automotive Safety and Energy, and Edgar Thielmann, Head of the Galileo Project from the European Commission, kick-started the debate on the potential gains in the areas of Fuels and Fuel Economy, Electrification and

## First FISITA Summit demonstrates commitment of engineers to fight CO<sub>2</sub>

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“It was a pleasure to be at the Falkenstein event as well as being an interesting and rare opportunity to get such a broad range of industry and engineering perspectives on reducing CO<sub>2</sub> emissions from the transport sector.

You could rely on a line-up of excellent speakers and the workshop discussion I attended (on electrification) was also very lively and insightful”.

**Michele Pittini,**  
UK Committee on Climate Change



Traffic Management. This was followed in the afternoon by parallel workshop sessions on the three topics with lively debate, brought together in a final wrap-up plenary session.

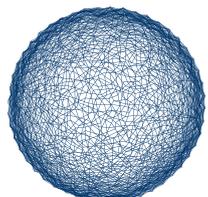
Attendees included representatives from 30 FISITA Honorary Committee companies as well as leaders from influential research institutes and NGOs and feedback was extremely positive.

Summing up at the close of the meeting, FISITA President, Christoph Huss, said ‘Our discussions today have convinced me that we need to have an integrated approach which includes the development of vehicle technology, the supply of alternative fuels and a more efficient use of vehicles. In the end, this is the only way we can have CO<sub>2</sub> mitigation efforts which are compatible with economic growth.’

‘All the stakeholders – automotive industry, fuel providers, energy companies, should identify their individual responsibilities and make their best efforts to carry them out, in a framework of mutual cooperation. Through events like this, FISITA can play a much needed role in bringing the parties together to identify our shared priorities and agree a way forward.’

The full presentations and video of the keynote speeches can be viewed at the web site:

[www.fisita-summit.com](http://www.fisita-summit.com)



COP15  
COPENHAGEN  
UN CLIMATE CHANGE CONFERENCE 2009

## FISITA will take a message to COP-15 on behalf of automotive engineers

**FISITA has won NGO Observer Status to participate in this year’s vital climate talks in Copenhagen, and the association plans to use the outputs from the World Automotive Summit as the basis of a communiqué, describing the contribution that automotive engineering can make in the fight to reduce CO<sub>2</sub> from road transportation.**

The United Nations Climate Change Conference will take between December 7 and December 18, 2009. The conference includes the 15th Conference of the Parties (COP 15) to the United Nations Framework Convention on Climate Change and the 5th Meeting of the Parties (COP/MOP 5) to the Kyoto Protocol. According to the Bali roadmap, a framework for climate change mitigation beyond 2012 is to be agreed there.

# Strong support for FISITA 2010 defies the downturn!

innovation  
 CO<sub>2</sub> ITS mobility  
 electrification  
 environment  
 emerging markets alliances  
**economic crisis**  
 REGULATION  
 future fuels **SAFETY**

## FISITA 2010

World Automotive Congress  
 30 May – 4 June, Budapest, Hungary

The outlook for next year's FISITA World Automotive Congress in Budapest is bright, despite a tough year for the auto industry.

While many international conferences have faced cancellation in the wake of the financial crisis, more than 700 abstracts have been submitted for FISITA 2010 by engineers in 44 countries. Special thanks go to the Korean Society of Automotive Engineers (KSAE) whose members

have submitted a remarkable 124 paper offers! Germany comes a close second with 121 abstracts submitted.

The preliminary programme will be distributed world-wide in November, with full details of all technical and plenary sessions, as well as visits and special events.

Make sure you get your copy by registering at [www.fisita2010.com](http://www.fisita2010.com)

### Top 10 abstracts by country

1	Korea	124
2	Germany	121
3	Japan	54
4	Spain	44
5	United Kingdom	37
6	Hungary	27
7	India	27
8	United States	26
9	Poland	25
10	France	21



## Audi named as Platinum Sponsor

Host society, GTE, have announced that Audi, the biggest automotive manufacturer in Hungary, will be a major sponsor for FISITA 2010 in Budapest.

Audi Hungaria, a fully owned subsidiary of Audi AG, builds over 1.9 million engines in the country each year, and assembles the Audi TT model range and the A3 Cabriolet among other vehicles, in tandem with the Ingolstadt plant. Audi Hungaria is the

principal engine supplier of the Audi and Volkswagen Groups, one of Hungary's largest enterprises and also one of the country's biggest exporters.

Engine production (pre-series) started as long ago as the end of

1993. The engine production plant in Győr, Hungary, was inaugurated in October 1994. Assembly of the Audi TT models at Győr commenced in April 1998. The first second-generation TT Coupé left the Audi Hungaria production line in April 2006.

## Make tracks for the PIARC XIII International Winter Road Congress in Quebec



**'Sustainable Winter Service for Road Users' is the theme of PIARC's 13th Winter Road Congress which will be held in Quebec, Canada from 8-11 February 2010.**

Sustainable Winter Service begins with taking a customer and road user's orientation regarding requirements and levels of service, and includes winter weather and transportation system impacts, information services, decision support systems, the full range of mitigation techniques and technologies, actual operations in multiple climatic and social settings, and the impacts (environmental, social, economic) of the operations.

Topics under discussion will include:

- Winter Service Planning, Management and Implementation
- Safety and Mobility in Winter: Social, Environmental and Economic Aspects
- Winter Service Information System
- Snow and Ice Control Techniques and Technologies
- Winter Service Sustainable Transportation
- Winter Service and Climate Change Impacts

But it's not all hard work. The meeting will also feature the very first International Snowplow Championships – a skill competition focusing on the precision and safety demonstrated by snowplow operators. Competitors will be expected to perform a number of tricky maneuvers on a circuit approximately 250 metres long. Not something you see every day.

For more information and to register visit [www.aipcrquebec2010.org](http://www.aipcrquebec2010.org)

## Leading telematics company ATX joins FISITA Honorary Committee



ATX President, Steve Millstein

**FISITA's industry support continues to grow with the addition of another key player in the exciting vehicle communications sector.**

Established in 1994, ATX pioneered one of the first telematics service offerings with Ford Motor Co. and continues to be an innovator in the industry. ATX develops applications that allow drivers to safely access and manage online-based information into the vehicle; remotely access real-time, in-vehicle data for diagnostics and vehicle performance evaluations; and integrate information of critical assistance to multiple levels of emergency responders. The company's OEM partners include Toyota, Lexus, BMW, Mercedes Benz, Peugeot, Maybach and Rolls-Royce.

ATX President, Steve Millstein, said: 'ATX is delighted to be part of the prestigious FISITA Honorary Committee. As the world's largest independent provider of personalised telematics services, we work closely with many of the leading automakers to design services that enhance safety, security and the overall driving experience. We share FISITA's view that telematics technology is key to realising the next generation of efficient, affordable, safe and sustainable mobility which the world's automotive engineers are committed to delivering. We look forward to participating in FISITA's numerous industry meetings and initiatives towards that goal'.



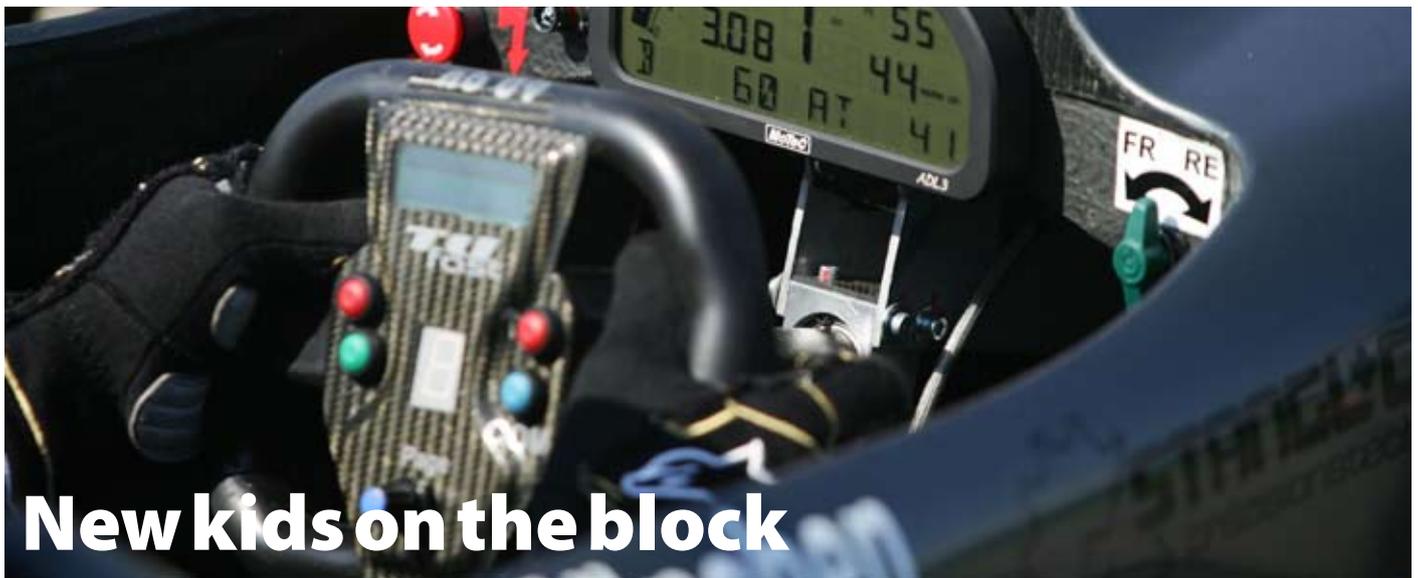
## News in brief

### Australia

SAE-A has initiated a national gaseous fuels working group. The society is forming a working party representing stakeholders in the sector to explore the potential for increased use of Australia's abundant gaseous fuel reserves. SAE-A will invite industry experts from academia, business and government to independently review the information available about liquid petroleum gas (LPG), compressed natural gas (CNG), liquid natural gas (LNG) and other gaseous fuels.

### France

SIA has announced that it will hold its second Trophy SIA event from 28-29 May 2010 at a circuit in the Paris region. Trophy SIA 2010 is a contest open to students, with the aim of designing and constructing vehicles with an emphasis on innovation and the use of new energy sources. SIA organises the contest in partnership with PSA Peugeot Citroen, Renault, Michelin, UTAC, Klaric and the ACO. For more information visit: [www.sia.fr/trophee.htm](http://www.sia.fr/trophee.htm)



## New kids on the block



**Student members of Austrian society, OVK, have set up a new student formula event. From the 12th to the 15th of August over 400 students from all over the world met in Melk, 80 km west of Vienna, to take part in the inaugural Formula Student Austria competition.**

Teams from 21 international universities competed in six different dynamic disciplines, as well as static events (Business Presentation and Engineering Design), which were judged by an expert jury consisting of representatives of the automobile industry as well as Austrian motorsports legends Dieter Quester and Karl Wendlinger. The dynamic disciplines were carried out on the racetrack of the Wachauring.



Overall victory, plus numerous cups for single disciplines and the 'OMV Dynamic Winner' prize went to the Beaver Racing Team from Oregon State University in the USA. Austrian team FH Joanneum were second on the podium, with BA Ravensburg finishing third.

Chairman of the organising committee, Franz Rabel, said, 'The first Formula Student Austria was an entire success and was taken up with big enthusiasm by the teams. The challenging racetrack of the Wachauring, the professional organization and the enjoyable atmosphere will hopefully attract many Formula Student Teams again next year.'

For more information visit  
[www.fsaustria.at](http://www.fsaustria.at)



## EAEC Congress heads west to Valencia

**The 12th European Automotive Congress was held from 29 June to 1 July in Bratislava by SAITS on behalf of the European Automobile Engineers Cooperation (EAEC), where 120 papers were presented.**

Spanish society STA have been named as the hosts for the next EAEC congress which will be in Valencia from 14–16 June 2011. STA will partner with the Technical University of Valencia to organise the event under the theme: The Automobile in the Second Decade – Sharing all Energetic Solutions.

The 12th European Automotive Congress proceedings are available from the FISITA Bookstore:  
[www.fisita.com/bookstore](http://www.fisita.com/bookstore)

For information about the 13th EAEC congress and to submit a paper contact  
[jfont@stauto.org](mailto:jfont@stauto.org)



## News in brief

### Japan

JSAE have published an English language summary of the 380 technical presentations given at this year's JSAE 2009 Spring Congress, providing a useful tool for understanding the latest trends in automotive technologies in Japan. Visit: [www.fisita.com/bookstore](http://www.fisita.com/bookstore)

### United States

SAE International has purchased all rights to the Convergence Transportation Electronics Association Conference (Convergence) from the CTEA. SAE has been involved with Convergence since its beginning and has fully administered the event since 2006.



# Get ready for APAC 15

**Hanoi, capital of Vietnam, is the location for the next FISITA Council Meetings which will take place immediately following the 15th Asia Pacific Automotive Engineering Conference, organised by the Vietnamese Society of Automotive Engineers (VSAE).**

The theme of APAC 15 is Safety, Environment and New Technology for future Automobile.

Technical Focus:

- Driver/vehicle interface, information and assistance system
- Powertrain technology
- Vehicle safety
- Vehicle design and manufacturing
- Chassis development for passenger cars, trucks and buses
- Body design for passenger cars, trucks and buses
- Environment
- Electronics
- Testing & simulation

There is high-level government support too including that of Dr. Tran Doan Tho, Vice Minister of Transport, who said 'I do really believe that the 15th Asia Pacific Automotive Engineering Conference in Vietnam will be an opportunity for home and overseas engineers, scientists and companies in the transportation industry to present their latest technologies, to seek and exchange the latest information as well as to consolidate and open new cooperations.'

For FISITA Council members who are interested in attending APAC 15, VSAE are kindly offering a special discounted registration fee of USD 200 (full delegate rate USD 500).

The congress is well supported by industry and academia with roughly 200 technical presentations. Sponsors include Toyota, Mercedes Benz, Lubrizol Corporation, THACO and SAMCO.

To register visit [www.apac15.vn](http://www.apac15.vn)



## APAC 15 Schedule

<b>Monday 26 October</b>	APAC Opening & Plenary Sessions APAC Technical Sessions
<b>Tuesday 27 October</b>	APAC Technical Sessions APAC Gala Dinner
<b>Wednesday 28 October</b>	APAC Technical Sessions APAC Closing Ceremony & Farewell Party FISITA Committee Meetings Dinner & Night city tour of Hanoi
<b>Thursday 29 October</b>	FISITA Executive Board Meeting FISITA Council Meeting Council Dinner
<b>Friday 30 October</b>	Day trip to Halong Bay

## Handy Hanoi Facts:

- **With a population of 6.3m people Hanoi is the capital and second largest city of Vietnam.**
- **Motorbikes are the most common way to move around the city.**
- **For short trips, motorcycle taxis called xe ôm (literally, 'hug vehicle') are available where the passenger sits at the rear of a motorbike.**



## EU Commissioner opens new FISITA Educators Seminar



**FISITA organised its first ever Educators Seminar on Monday 29 June, during the EAEC Congress in Bratislava, Slovak Republic. The seminar, titled *Developing the links between Industry and Higher Education Institutions in Automotive Engineering*, had the aim of providing engineering educators with the opportunity to gain insight into the current and future needs of the automotive industry – helping them to ensure the relevance of their courses and the employability of their graduates.**

Jan Figel', European Commissioner for Education, Training, Culture and Youth, opened the seminar by explaining that education is considered key to Europe's future peace and prosperity, and as such, is a top strategic priority for the EU.

'Europe cannot compete on cost, so we need to focus on creating more added value, more innovation. There is a new sense of urgency that the worlds of education and industry should come closer together ... Tomorrow's world will be even more global, complex and competitive. FISITA is a good example of an association which is working at the forefront of this issue and trying to make cooperation happen'.

Mr. Figel' went on to describe a number of initiatives that the Commission is working on, including the University Business Forum launched in 2008, which seeks to strengthen cooperation between higher education and business in Europe, and presented its first report in April 2009.

Also speaking at the seminar was Dr. Eleonore Lickl, Secretary General of the International Society for

Engineering Education (IGIP), Lisa Hearty, Business Development Manager at Queen Mary University of London, and Dr. Ludwig Vollrath, Secretary of VDI-FVT. The seminar was chaired by Matti Juhala, FISITA Vice-President for Education and Professor of Automotive Technology at Helsinki University of Technology.

Commenting on the success of the event, Prof. Juhala said: 'The first FISITA Educators Seminar combined some very informative presentations with a lively and open discussion. FISITA has made the right step in opening an important new dialogue between academia and industry, not only around technology but also the more sensitive area of education methodology and needs'.

The next Educators Seminar is planned to take place during FISITA 2010 in Budapest, Hungary.

Further information, including the presentations from this year's event, can be obtained from Emer Padden, Education Officer:

[e.padden@fisita.com](mailto:e.padden@fisita.com)



## FISITA staff member does his bit for sustainable mobility

**Congratulations to our own Zoltan Farkas, Technical Officer at FISITA HQ who completed the grueling eXtrememan Long Distance Triathlon National Championship in his native Hungary this August.**

Zoltan, who studied vehicle technology at high school before doing a degree in engineering management and a postgraduate qualification in marketing communications in Germany, completed the race in the very respectable time of 13 hours 6 minutes.

If 13 hours seems like a long time, consider that the race consists of 3.8 km swim, followed by 180 km bike ride, followed by marathon (42 km) run.

Upon crossing the finishing line, he asked for an intravenous drip (as this speeds the recovery), after which he went to the bar and ordered a well deserved beer. Unfortunately he collapsed gently before it arrived, and had to be taken back to the medical room. Although he was pronounced OK by the doctor a few minutes later, by this time his wife Esther had given the beer away. It hardly seems fair.



## FISITA Student Travel Bursary Programme Application deadline: 31 October

### Apply for a FISITA Student Travel Bursary

To be eligible to apply for a bursary of up to €2,000 you must:

- be studying engineering at undergraduate or postgraduate level at a recognised college or university
- have arranged an industry or research placement in an automotive company or organisation overseas
- be a member of a FISITA member society

For further information on please see [www.fisita.com/students/bursary](http://www.fisita.com/students/bursary) or contact Emer Padden, FISITA Education Officer [e.padden@fisita.com](mailto:e.padden@fisita.com)

**Did you know that FISITA offers student members of its societies the opportunity to apply for a travel bursary of up to €2000 to help with the costs of organised work placements in automotive companies and research institutions overseas?**

In today's global automotive industry experience of working as an engineer in another country is extremely valuable. When it comes to applying scientific knowledge, there is no substitute for experience: real vehicles, real people and real problems to solve.

From 2009 applications to the Bursary Programme are considered twice a year, with deadlines as follows:

**31 March** for those attending a summer placement  
**31 October** for those attending a winter or spring placement the following year.

FISITA has already supported 13 students from 8 different member societies to complete overseas work placements so far in 2009. One of the lucky recipients was Philipp Engelhardt, a student member of VDI-FVT, who spent 17 weeks at legendary Bentley Motors in Crewe, UK, where he was based in the Production Technical Support Department.

Describing his experience, Philipp said, 'The internship placement at Bentley enabled me to get to know a high performance car manufacturer that combines handcrafted luxury with inspiring driving experience embedded into Europe's most important automotive company – Volkswagen AG. I expanded my skills and knowledge in production engineering and about lean production principles. I also started to speak the English language more fluently.'

## FISITA Awards for Engineering Excellence in FSAE



IMEchE's Nick Vaughan presents the FISITA Award to the DUT Racing Team at Formula Student, Silverstone

**From 2009 FISITA has moved to standardise the awards it sponsors at the numerous national FSAE competitions organised by its member societies.**

The FISITA Award for Engineering Excellence is now awarded to the team which achieves the highest overall score in the static events (i.e. cost, presentation and design) at each eligible national event.

The JSAE event differs slightly by awarding the team who achieves the highest combined score in the Static and Endurance events. In all cases the award consists of a trophy and prize money of EUR 500 to be put towards the future development of the team.

### 2009 FISITA Award Winners

#### April

Formula SAE Michigan, (SAE Int.)

**Pennsylvania State University USA**

#### July

Formula Student, Silverstone (IMEchE)

**DUT Racing Team, TU Delft The Netherlands**

#### September

FSAE Italy, Riccardo Paletti Circuit (ATA)

**TUW Racing team, TU Wien Austria**

#### September

Student Formula SAE Competition of Japan, Ogasayama Sports Park (JSAE)

**University of Tokyo Japan**

## Competition



**Congratulations to Steve Sharp who works for Royal Mail Engineering Operations in the UK, pictured here wearing his prize of some rather stylish racing gear from Formula ATA.**



Steve correctly answered that the first ever Italian Grand Prix was held at Brescia in 1921.

This issue, we're offering you the chance to win a copy of *Energise! A Future for Energy Innovation*. Taking an in-depth view of the past, present and future of energy and climate change, this provocative and entertaining book sets out a programme for innovation in nuclear, carbon-based and renewable energy. One of its authors is Prof. James Woudhuysen who was the dinner speaker at July's FISITA World Automotive Summit.

All you have to do is answer the following question: Which city is hosting this year's COP-15 climate talks in December?

Email your answer to [insidetrack@fisita.com](mailto:insidetrack@fisita.com)

Good luck!

## Contact Update

**Dr. Alessandro Matarazzo** is the new General Manager of ATA

**Max Chanter** is SAE Australasia's new Executive Director

**Mike Noblett**, Chairman of the 2008 ITS World Congress, has been named a member of FISITA's Executive Board

**John Fieldhouse** of the University of Huddersfield, UK, has joined the FISITA Education Committee

**Patrick Ross** is the new President of SAE Australasia

## insidetrack

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**President**  
Christoph Huss

**Chief Executive**  
Ian Dickie

Please send your contributions or suggestions to:

insidetrack  
FISITA  
30 Percy Street  
London W1T 2DB  
United Kingdom

Phone: +44 (0) 20 7299 6634  
Fax: +44 (0) 20 7299 6633  
Email: [insidetrack@fisita.com](mailto:insidetrack@fisita.com)

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## FISITA diary

28–29 October 2009

**Executive Board, Committees and Council**  
Hanoi, Vietnam

12–13 April 2010

**Executive Board**  
Detroit, USA

30 May – 4 June 2010

**FISITA 2010 World Automotive Congress**  
**Executive Board, Committees and Council**  
Budapest, Hungary



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