



insidetrack

the newsletter of the International Federation of Automotive Engineering Societies



STA

to host next Council Meeting in Barcelona



SAE Int.

75th World Congress hailed a big success in Detroit



WIN!

Pure Detroit Motor City t-shirt

FISITA board members road test the latest advanced vehicles from GM



FISITA board members had a chance to drive some of world's most important new alternative powertrain vehicles when FISITA teamed up with General Motors and magazine partners ATZautotechnology to stage a very special Ride and Drive event during the April Executive Board Meeting in Detroit.

During the event, which took place at GM's World Headquarters in downtown Detroit, guests had the opportunity to drive a dozen of GM's latest advanced powertrain vehicles (production models and demonstrators), including:

- Chevrolet Malibu Hybrid
- Saturn Aura Hybrid
- Saturn Vue Green Line
- GMC Yukon 2-mode
- Chevrolet Tahoe
- Chevrolet Equinox Fuel Cell Electric

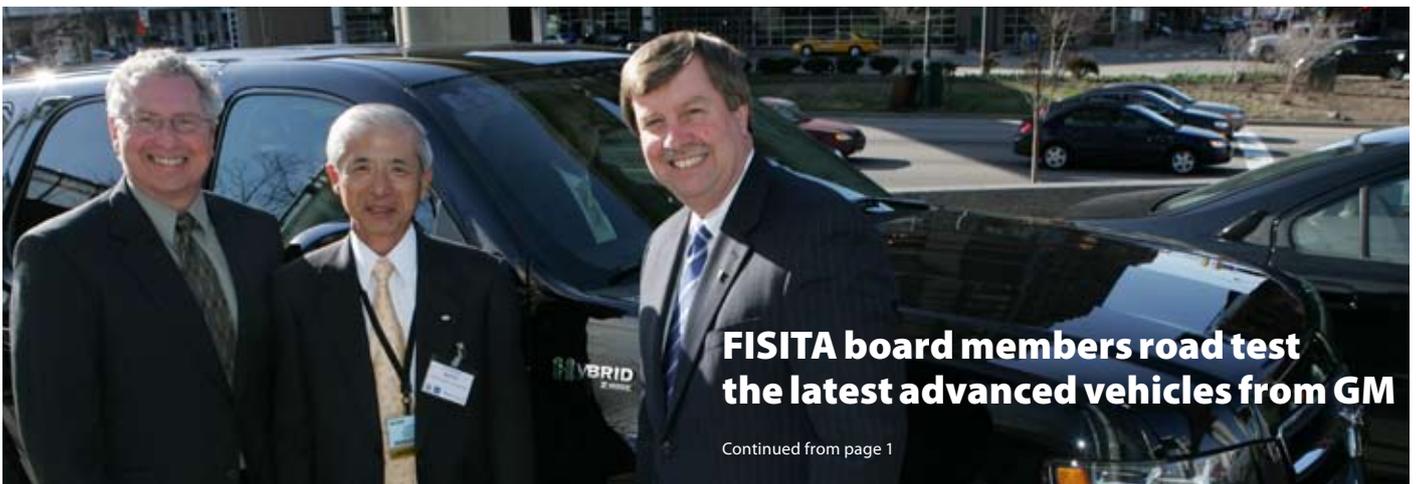
Over the course of one and a half hours board members and guests were able to drive several different vehicles and to experience the performance of GM's latest hybrid powertrain systems, both in stop-start traffic, and on the open road.

The Chevrolet Equinox Fuel Cell demonstrator was of particular interest to participants; not least because it represents the world's largest fuel cell vehicle market test – with 100+ vehicles in the hands of customers, including 10 in Europe and 7 in Asia.

The special event was made possible by Past FISITA President, Dan Hancock, who is Vice President of GM Global Powertrain Engineering. At the dinner reception which followed on the 42nd floor of GM's Renaissance Centre building Mr. Hancock gave a fascinating overview of GM's Advanced Propulsion Technology Strategy (see page 2).

IAV Inc., a leading provider of engineering services to the automotive industry whose competencies include powertrain, electronics and vehicle development, were the sponsors of the dinner event.

[Continued on page 2](#)



FISITA board members road test the latest advanced vehicles from GM

Continued from page 1

Summary of GM's Advanced Propulsion Technology Strategy



Reduce fuel consumption and GHG emissions

Be sustainable through energy diversity

Displace petroleum

- Alleviate the issue of demand outgrowing limited supply
- Reduce our dependence on a supply subject to uncontrollable risks

by incorporating:

Continued improvement of conventional powertrain

- Gas engines, diesel engines and transmissions will be the principle propulsion systems for the foreseeable future

Alternative fuels

- Biofuels such as E85 ethanol and Biodiesel (i.e. B20)

Increased electrification of the automobile

- Rapid expansion of our hybrid portfolio, including plug-ins
- EV range extenders
- Ultimately, hydrogen fuel cells



Clockwise from top

Left to right: Larry Nitz, Executive Director of Hybrid Powertrains at GM, Dr. Akihiko Saito, FISITA President, and Dan Hancock.

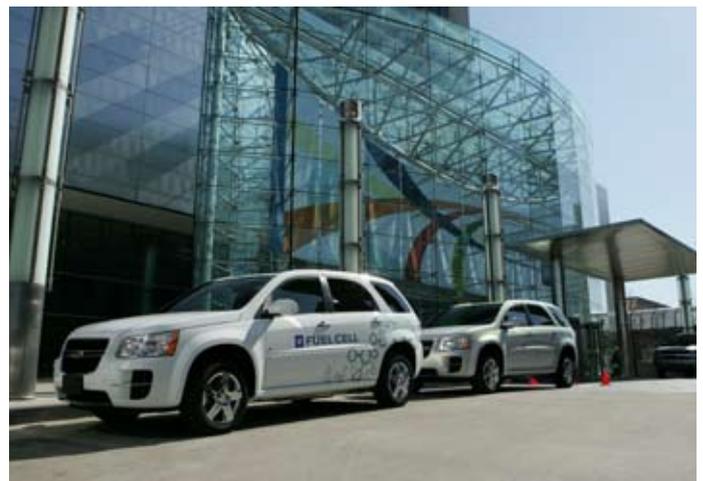
Dr. Saito can't wait to take to the road in one of the new GM hybrid vehicles.

Dr. Saito takes a look under the hood.

Vehicles line up outside GM's World Headquarters.

Hybrid drive display.

Gerhard Buschmann, Executive Vice President Diesel Engines, IAV Inc. (left) with Dan Hancock.



STA to host next Council Meeting alongside Alternative Powertrains Conference



STA President, Rafael Boronat

FISITA's next Council Meetings will take place in the beautiful city of Barcelona from 12 to 14 June 2008, hosted by STA.

Delegates will have the chance to visit the Applus IDIADA testing and proving ground facilities, as well as a trip to a local automotive plant, Ficoso.

As an added attraction, STA are organising their second International Conference on *The Automobile Future: Alternative Powertrain Systems* immediately before the FISITA meetings from 10–11 June.

FISITA President, Dr. Saito, will be among the opening speakers at the conference which will address Bio-fuels, Hybrid Vehicles, Fuel Cell and Hydrogen, Compressed Natural Gas (CNG) and the wider policy and strategic issues surrounding the evolution of alternative powertrain technologies.

Other speakers include:

- Pere Vidal (Centro Técnico SEAT)
- Manuel Lage (General Manager, NGVA Europe)
- Gerald Killmann (General Manager, Powertrain Design – Toyota Motor Europe)
- Jens Andersen (VW)
- Michael Meurer (BMW)
- Daljit Bawa (Ballard Power Systems)
- Alfredo Martín (IVECO)

Further information:

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JSAE's 240 Landmarks of Japanese Automotive Technology



The 1972 Honda Civic – one of 240 landmark vehicles which helped shape Japanese automotive technology.

In 1994 JSAE set up its Automotive Legacy and Collections Board with the aim of examining, recording, preserving and disseminating the history of automotive technology in Japan.

The members of that board studied an amazing 2234 episodes in the history of Japanese automotive technology and, in 1998, selected the 148 landmark items regarded as the most important to be passed on to future generations.

These were supplemented by another 32 in 2000, and to mark JSAE's 60th anniversary in 2007, 60 new items were selected from a further 148 candidates. These are now available to view on-line.

See the complete list, with photos and full technical details at JSAE's web site:

www.jsae.or.jp/autotech/index_e.html

News in brief

Croatia

CroSEV will organise the 21st International Congress on Energy and the Environment from October 22–4 2008 in Opatija, Croatia. The theme of this year's event is *Climate and Innovation*. The congress is being organised by CroSEV in partnership with the Croatian Solar Energy Association, the Faculty of Engineering of the University of Rijeka and the University of Ljubljana, Slovenia.

Japan

JSAE have launched a new international newsletter called JSAE Eye to keep members and supporters up to date with the society's activities. Articles are in English and Japanese and you can download the latest issue from:

www.jsae.or.jp/tops/habari/eye200804.pdf

Slovak Republic

SAITS have issued a First Announcement for the 2009 EAEC Congress which will take place from 29 June–1 July 2009. The theme is *Europe in the Second Century of Auto-Mobility*.

75th SAE World Congress in Detroit hailed as a big success



“Detroit has played a valuable role in the rich history of our Society, and the city continues to serve as an international gathering place for engineers to discuss the future of the global automotive industry.”

David L. Amati
Director of SAE International's Global Automotive Business



This year's SAE World Congress, held from 14-17 April in Cobo Center in Detroit, had as its theme *A Climate for Change* and the event succeeded in attracting 33,097 attendees from 49 countries. For nations excluding the United States and Canada, South Korea sent the most attendees, followed by (in order) Japan, Germany, China, the United Kingdom and India.

According to David L. Amati, Director of SAE International's Global Automotive Business, 'For the OEMs, 17 companies were represented, lead by GM, Ford, Chrysler, Honda, Nissan and Toyota', while Delphi, Lear, Yazaki, Visteon, Aisin and DENSO led the list of Tier One suppliers who sent delegates or participants.

He added that almost one in five attendees came from the ranks of corporate executives or engineering management, with the top six registration codes classified as electronics, drivetrain, emissions/

environment, manufacturing/production, materials and safety.

The event was capped by the SAE World Congress banquet speaker Robert Nardelli, Chairman and Chief Executive Officer, Chrysler LLC.

Chrysler was the host company of the SAE 2008 World Congress, which was chaired by Frank O. Klegon, Executive Vice President for Product Development for Chrysler LLC.

In 2009 Honda will serve as the SAE World Congress's host company with Masaaki Kato, President of Honda Motor Co.'s Research and Development unit, as the General Chairman.

2008 marked the 75th anniversary of the SAE World Congress, originally called the *SAE Annual Meeting*, which was relocated from New York City to Detroit in January 1933. Formerly held at the Book-Cadillac Hotel, the four-day event included 15 sessions and attracted more than 3,000 attendees. Among the featured speakers that year was Kaufman Thuma 'K.T.' Keller, then Vice-President and General Manager of Chrysler.

'Detroit has played a valuable role in the rich history of our Society, and the city continues to serve as an international gathering place for engineers to discuss the future of the global automotive industry,' said Amati.

GM's Paizer to lead 2010 FISITA Congress



Andor Paizer

Hungarian society GTE have named Andor Paizer as Chairman of the 2010 FISITA World Automotive Congress which will take place in Budapest from 30 May to 4 June 2010.

Paizer, 44, is Managing Director of General Motors Powertrain Hungary Kft, based in Szentgotthárd, a position he has held since 1 May 2007.

He joined GM in 1991 as an Engineer and subsequently filled different positions in the cylinderhead and engine plant. He was promoted to Deputy Manager of the Engine Plant in 1998 and

Engine Plant Manager the following year. Prior to his current appointment, Paizer held the post of Plant manager at GM's Södertälje unit in Sweden before returning home to take up the position of Manager of the Szentgotthárd factory.

In addition to his duties at GM Paizer is a member of several organisations including the Association of Hungarian Automotive Industry and the American Chamber of Commerce in Hungary. He is a graduate of the Budapest University of Technology and enjoys skiing, cycling, tennis and the theatre.

SIAR and SIA sign Cooperation Agreement



Vincent Lhoste of SIAR (left) and Daniel Pfrimmer of SIA at the signing of the cooperation agreement.

Romania's SIAR and the French society, SIA, have signed a cooperation agreement to reinforce the partnership between two associations. The objective is to improve the development, the acquisition and the transmission of knowledge in the area of the automobile technology between the two countries.

According to Daniel Pfrimmer, Director of SIA, 'The agreement must encourage and facilitate access to the programmes and activities of SIAR and SIA to the members of both associations. It offers the possibility for engineers to hold dual membership at a reduced cost, and therefore to benefit from the services of SIAR and SIA. That relates in particular to participation in the demonstrations, conferences

and training courses as well as access to publications and other technical information.'

There is a history of close automotive ties between the nations of France and Romania, as Dacia (Romania's largest vehicle manufacturer), has cooperated with France's Renault since 1966. In 1999 Dacia became part of the Renault Group which had decided to make Romania its hub of automobile development for both Central Europe and Eastern Europe. In 2004 the Dacia/Renault Logan was launched and has been a huge success in Romania as well as numerous developing and established markets around the world.

IMechE's Formula Student 2008 sells out in two days

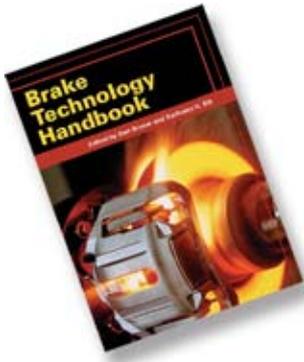


Demand has outstripped supply at this year's UK Formula Student event, with places 'sold out' in under 48 hours, a first for the competition run by IMechE at the famous Silverstone racing circuit (10-13 July 2008).

The 2008 competition will also see a record number of teams taking part, with 110 entries from 90 universities in 22 different countries.

Further information:
www.formulastudent.com

Past FISITA President is editor of important new *Brake Technology Handbook*



Professor emeritus Dr.-Ing. Bert Breuer, President of FISITA from 1996–98, is co-editor of a major new reference book on braking technology published by SAE International.

Translated and updated from the landmark German-language work *Bremsenhandbuch*, the *Brake Technology Handbook* covers brake system fundamentals, requirements, design, construction, components, and subsystem functions for vehicles of all types (including passenger cars, commercial vehicles, off-road vehicles, motorcycles, racing vehicles and even aircraft).

Subjects covered include:

- Mechatronics
- Materials
- Processes
- Simulation
- Testing
- Safety and reliability
- Service and repair
- Friction and noise
- Future developments

Microelectronics and mechatronics have resulted in a significant increase in the technical potential and functionality of brake systems. This book, which includes contributions from more than 75 braking experts, provides comprehensive coverage of the current state of the art – as well as the future – of brakes and braking systems.

Prof. Breuer was director of the automotive engineering department at Technische Universität Darmstadt (Darmstadt University of Technology) from 1977–2001.

The *Brake Technology Handbook* is available now: <http://store.sae.org>

SAE Foundation Honours Ford President and CEO Alan Mulally



Alan Mulally, President and Chief Executive Officer, Ford Motor Company.

Alan Mulally, President and Chief Executive Officer, Ford Motor Company, is the recipient of the SAE Foundation Manufacturing Leadership Award. The award was presented to Mulally at the 2008 SAE Foundation Banquet in Detroit on May 22.

The Manufacturing Leadership Award recognises individuals who have made meaningful contributions to the development of the automotive industry. Nominees must have achieved a significant level of success in their manufacturing careers, demonstrated innovation and risk taking, and established a new direction or developed a position

that challenged the industry. Commitment to the community through educational, philanthropic or government activities is also required.

Mulally has held the top job at Ford since September 2006. Prior to joining Ford, Mulally was Executive Vice President of The Boeing Company and President and Chief Executive Officer of Boeing Commercial Airplanes. Mulally worked at Boeing for 37 years.

Morris and Higuchi bid farewell to FISITA board



Dr. Saito presents a commemorative gift to SAE's Ray Morris upon his retirement from the FISITA board.

Two long-serving members of the FISITA Executive Board retired from their positions at this April's meeting in Detroit.

Ray Morris resigned his position as FISITA VP America as he was retiring as Executive Vice President and COO of SAE International at the end of May. Morris joined the staff of SAE in 1974, when the SAE Headquarters was still located in New York. His involvement with FISITA started in 1980 (the year in which SAE joined FISITA), and he became a member of the FISITA board in 2000.

Sekio Higuchi has retired from his post as Executive Director of JSAE and also resigned his position on the FISITA board. Higuchi attended his first FISITA meeting in 2000 and joined the board in 2004, prior to leading the organisation of the highly successful FISITA 2006 congress in Yokohama.

FISITA President, Dr. Saito, paid tribute to both men and thanked them for their strong support of FISITA, as well as their friendship over many years.

Competition



Last time we asked you which manufacturer had won the European Car of the Year award the greatest number of times.

The answer of course was FIAT with 9 wins: 124 (1967), 128 (1970), 127 (1972), Uno (1984), Tipo (1989), Punto (1995), Bravo/Brava (1996), Panda (2004), 500 (2008).

The lucky winner was Danielle Calicchio, Communications Officer at AEA, Brazil (pictured with her prize).

This time, we're offering you the chance to win a stylish *Motor City* t-shirt from super-cool Pure Detroit. Just answer the following question:

In what year was the SAE World Congress first held in Detroit?



Email your answer to:
insidetrack@fisita.com

Good luck!

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Published by FISITA – the International Federation of Automotive Engineering Societies

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Contact Update

Mr. Andor Paizer has been named by GTE to serve as Congress Chairman for FISITA 2010 in Budapest.

Dr. Thomas W Ryan is the 2008 President of SAE International. Dr. Ryan is Institute Engineer at the Engine, Emissions and Vehicle Research Division at Southwest Research Institute (SwRI).

Mr. Seung-il Kim VP – Vehicle Development Center, KIA Motors Corporation, is the new KSAE President.

Mr. Lars-Gustaf Hauptmann is the new President of SVEA, Sweden.

Mr. Vladimir Tshetverikov is the new President of AAE, Russia.

Prof. Dr. Banh Tien Long Executive Vice Minister of the Ministry of Education and Training for the Government of Vietnam, has been elected President of VSAE.

Dr. A H Kakaee is the new Manager of ISAE in Iran.

Mr. Takao Kubozuka is the new Executive Director of JSAE, replacing Sekio Higuchi who retires at the end of May.

Ms. Hedwig Prinz has joined the staff of VDI-FVT in Germany, replacing Ulrike Mirbach who has retired.

FISITA diary

12–14 June 2008

Executive Board, Committees & Council
Barcelona, Spain

18–19 September 2008

Executive Board, Committees & Council
FISITA World Automotive Congress, Munich, Germany

20–21 April 2009

Executive Board
Detroit – SAE Congress

29 June–1 July 2009

EAEC
Bratislava, Slovak Republic

26–28 October 2009

APAC
Hanoi, Vietnam



www.fisita.com