The International Federation of Automotive Engineering Societies (FISITA) is the world body for automotive engineers. FISITA's members are the national automotive engineering societies in 37 countries.

FISITA is a not-for-profit association whose objective is to share knowledge among the world’s automotive engineers and contribute to the development of automotive technology.

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Print
Colt Press

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Welcome

Welcome to FISITA’s annual review for 2012/13. This has been an exciting year for the automotive engineering community with innovations such as self-driving-cars, connected vehicles and alternative fuel technologies gaining greater public interest and awareness. This has provoked discussion, debate and more importantly, raised the profile of automotive engineers worldwide.

FISITA’s main focus in 2013 was twofold: to continue providing essential thought leadership and knowledge-sharing events for our members and the automotive engineering community; but also to improve how we work with our committees, Council members and Executive Board to ensure we remain a dynamic international organisation, with the needs of our stakeholders at the heart of our operations.

2012 concluded with the best-attended FISITA World Automotive Congress ever, organised by our Chinese member society, SAE China, in Beijing. In 2014 this vibrant international conference will travel across continents to the Netherlands, to be hosted by the Royal Dutch Society of Engineers, in Maastricht from 2–6 June.

A second EuroBrake conference in Dresden in June 2013 built on the successful relationship FISITA forged with the braking community in 2012 and brought added growth in terms of increased numbers of delegates and exhibitors. This momentum will take EuroBrake to Lille in May 2014 for the third event in the series and we look forward to welcoming the world’s braking experts to France to explore the major challenges facing braking systems designers today and to share their expertise across Europe and beyond.

In November the FISITA World Automotive Summit lived up to its reputation as a must-attend event for automotive leaders. The 2013 Summit posed the question ‘Can autonomous vehicles make traffic accidents a thing of the past?’ bringing the automotive industry together with thought-leaders and key stakeholders from Europe, Asia and America.

As the development of technology advances at such a relentless pace it becomes increasingly important for young engineers to gain hands-on industry experience. FISITA’s Your Future in Automotive website continues to offer education advice and career guidance. It is an essential tool for member societies, education providers and industry to encourage students to study engineering and ensure that young talent is not lost to other fields.

Organisations like ours are under increasing pressure to justify their presence and value in the global marketplace and FISITA has been working closely with its committees to ensure that it continues to provide the services its members value most. A comprehensive governance review, and subsequent business plans, will ensure FISITA works efficiently with its members and addresses its national societies’ needs in a more responsive, sustainable and empowering way.

FISITA’s member societies and Honorary Committee companies will continue to work together to share knowledge on an international scale with the ultimate aim of helping create efficient, affordable, safe and sustainable automotive mobility for the benefit of society. FISITA’s relevance to society, industry and education has never been more paramount and we look forward to playing a key role in 2014.

Dr. Li Jun
President 2012–2014

Ian Dickie
Chief Executive
The 2013 FISITA World Automotive Summit tackled an issue of growing importance to automakers, governments and the global media: that of autonomous or highly automated vehicles.

The agenda focussed on the main barriers and opportunities which surround this exciting topic including international traffic regulation, legal liability issues and HMI considerations as well as the engineering and technology challenges of making automated driving affordable and robust enough for widespread acceptance in mainstream vehicle markets.

A carefully selected panel of experts from prestigious institutions including the United Nations Economic Commission for Europe (UNECE), Stanford Law School, Fraunhofer FKIE and the Swedish Transport Administration, as well as leading OEMs, suppliers and universities, shared their insights with the specially invited group of industry leaders who attended from across Europe, Asia and America.
Interactive workshops then provided the opportunity for deeper discussion into aspects such as road traffic infrastructure, vehicle technology, human factors and the longer-term business case for so-called self-driving vehicles.

Participants gained insights into likely scenarios for the evolution of advanced driver assistance systems into growing forms of automation, as well the viewpoints of governments and public authorities.
Supporting Student Engineers

Our dedicated student website, www.yourfutureinautomotive.com launched in 2012, provides students and young engineers with essential education advice, career guidance, jobs, internship opportunities and much more.

The site hosts a video interview series with graduate and experienced automotive engineers designed to break down negative perceptions of engineering and to profile inspirational role models and the innovative projects they work on.

The FISITA Student Travel Bursary continues to support student engineers with work experience placements in the automotive industry. 2013 Travel Bursary recipients completed placements at: BMW Group, China; Faurecia, Germany; Fiat S.p.A., Italy; and Toyota Motor Europe, Belgium; to name a few.

As part of the FISITA World Automotive Congress FISITA also offers a Student Congress and provides universities with a platform to showcase their innovative automotive engineering research projects as ‘Islands of Excellence’.

Member Societies can nominate their high-achieving students for the Travelling Fellowship: a programme of cultural and technical visits across Germany, Belgium and the Netherlands, culminating in participation in the FISITA 2014 World Automotive Congress in Maastricht. Application details are on the FISITA 2014 website.

“Before the internship, I had never worked on real scientific projects in a new environment with such tough time frames. For those eight weeks I experienced a lot of ups and downs! But now I can be sure that, when I face challenges in my future career, I will know how to achieve the best results.”

Vadim Glinshi
TU Ilmenau
FISITA Student Travel Bursary recipient

Find out more

www.yourfutureinautomotive.com
www.fisita2014.com
Global Engineering Education

Helping Educators and Industry Improve Engineering Education

FISITA plays a strategic role in bringing educators and industry professionals together to share knowledge, promote active cooperation and advance the development of engineering education.

The Educators Seminar at the FISITA 2014 World Automotive Congress will assemble an invited panel of speakers to debate the future of automotive engineering education, addressing future trends, challenges and opportunities for improvement.

In addition, the Educators Technical Session will offer educators a forum to share knowledge and best practice with those involved in the recruitment and management of graduate engineers. The session will provide an opportunity to discuss strategies for improving the preparation of engineers for today’s increasingly diverse, multi-disciplinary automotive industry.
FISITA 2012, Beijing

The 34th FISITA Congress took place in Beijing from 27-30 November, hosted by SAE China and was the largest Congress in FISITA’s 65 year history, bringing together experts from 40 countries to address the theme: Automobiles and Mobility in a Low Carbon Economy – China and the World. Almost 700 technical papers were presented and the accompanying exhibition gave 128 companies the chance to demonstrate their products, services and technical capabilities to a global audience.

Automotive leaders and government officials took to the stage including Chinese Minister for Science & Technology, Prof. Wan Gang, followed by an international roundtable of global leaders in the automotive industry from Beijing Automotive Group, BMW Group, Geely, General Motors, Toyota, and Volkswagen.

The introduction of ‘Special Sessions’ proved a popular new innovation for the technical programme, with strategic insights from companies and universities including: Mobility Services – Opportunities and Challenges (BMW Group), Infrastructure Development for Electric Vehicles (General Motors) and Virtualisation in the ECU Development Process (ETAS Automotive Technology).
FISITA 2014, Maastricht

The FISITA Congress moves from Asia to Europe, taking place in Maastricht from 2–6 June 2014, hosted by the Royal Dutch Society of Engineers (KIVI).

FISITA 2014 will focus on Intelligent Transport to Solve Our Future Mobility, Safety and Environmental Challenges, examining the most significant research and development activities in the fields of vehicle propulsion, dynamics, safety, weight-reduction, ITS and more, with insights from the world’s top companies and universities.

The technical programme will feature more than 500 presentations divided over 10 sub-themes and offering several innovations to give sessions greater impact. Authors are offered two ways of presenting their work: a 20-minute presentation (including discussion time) or a shorter presentation in a session with similar topics, followed by a joint panel discussion to offer speakers a better way to present their work.

A new ‘Executive Track’ will bring together those papers which offer a higher level, global insight into each of the Congress topics in one time-efficient stream. Executive Track sessions will feature a specially invited keynote presentation, promising a broad strategic overview of the topic and focusing on future challenges and roadmaps in that area.

FISITA 2014 Congress Topics

- Clean and Efficient Engine Technologies
- New Energy Powertrain
- Transmissions and Hybrids
- Lightweight solutions
- Automated and Cooperative Driving
- Advanced Safety Technologies
- Vehicle Dynamics and Intelligent Vehicle Controls
- Noise Vibration and Harshness (NVH)
- Automotive Human Factors
- New Mobility and Vehicle Concepts

Find out more

www.fisita2014.com
The FISITA Medal was first awarded in 1970 to recognise distinguished achievements and leadership in the automotive industry. Two FISITA Medals were awarded in 2012 and presented at the Gala Dinner during the World Automotive Congress in Beijing, China.

Prof. Franz F. Pischinger, Founder, FEV Motorentechnik GmbH, received the FISITA Medal for making a significant and lasting contribution to improving the fuel efficiency and environmental performance of the combustion engine and vehicle powertrains throughout the world.

Prof. Dr. Martin Winterkorn, Chairman of the Board of Management of Volkswagen AG, Member of the Board of Management of Volkswagen AG, was awarded the FISITA Medal for masterminding the global success of today’s Volkswagen Group and for pioneering countless new and innovative environmental technologies such as BlueMotion and the up! concept car.

Previous winners of the FISITA Medal include: Giovanni Agnelli, Dante Giacosa, Hans List, Francois Michelin, Shoichiro Toyoda and Carlos Ghosn, amongst many others.

Martin Winterkorn led VW Group through the economic crisis, coming out stronger on the other side thanks to top technologies, strong products and the right organisation. His uncompromising devotion to quality, combined with his visionary management, has brought VW Group to the very top of today’s fiercely competitive global industry.”

Ted Robertson FSAE P.Eng
FISITA President 2010–2012

As Prof. Winterkorn was not able to attend in person, Prof. Jochem Heizmann, Member of the Board of Management for Volkswagen, China, (pictured above), accepted the medal on Prof. Winterkorn’s behalf.

Celebrating Excellence
“Prof. Pischinger has devoted his entire career to furthering powertrain technology, making engines more efficient by conserving energy and reducing emissions, and he has prepared generations of young people for successful careers in engineering.”

Ted Robertson FSAE P.Eng
FISITA President 2010–2012
EuroBrake 2013 at a glance

113 papers presented

734 delegates from 36 countries

Top 10 countries attending

1. Germany
2. Italy
3. USA
4. UK
5. France
6. Japan
7. China
8. Spain
9. South Korea
10. the Netherlands

Knowledge and networking for the braking community

FISITA held the second EuroBrake event from 17–19 June in Dresden, Germany, bringing together experts from the passenger car, commercial vehicle, motorcycle, rail, aerospace and wider industrial fields with 734 delegates attending from 36 countries.

The exhibition at EuroBrake 2013 provided a popular hub for networking and building new relationships with almost 70 global companies present, representing all areas of the value chain.

EuroBrake 2014 will move to Lille, taking place from 13–15 May at the Lille Grand Palais and the preliminary programme will be launched in early 2014.
FISITA’s network of national member societies organises hundreds of technical conferences and meetings on every aspect of automotive technology. Conferences with an international scope can apply for FISITA Patronage, which is given in recognition of their significant contribution to the store of automotive technical knowledge.

<table>
<thead>
<tr>
<th>FISITA Patronage Events 2013</th>
<th>1–4 April</th>
<th>TSAE</th>
<th>APAC 17</th>
<th>Bangkok, Thailand</th>
</tr>
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<tbody>
<tr>
<td>16–18 April</td>
<td>SAE International</td>
<td>SAE World Congress &amp; Exhibition</td>
<td>Detroit, USA</td>
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<tr>
<td>23–24 April</td>
<td>JUMV 24th JUMV International Automotive Conference</td>
<td>Belgrade, Serbia</td>
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<tr>
<td>22–26 September</td>
<td>JSAE 2nd International Symposium on Future Active Safety Technology, toward zero traffic accidents (FAST-zero ’13)</td>
<td>Nagoya, Japan</td>
<td></td>
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<tr>
<td>8–10 October</td>
<td>JSAE Small Engine Technology Conference 2013</td>
<td>Taipei, China</td>
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<tr>
<td>17–19 October</td>
<td>SIAR 3rd AMMA International Congress (Automotive, Motor, Mobility, Ambient)</td>
<td>Cluj-Napoca, Romania</td>
<td></td>
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<tr>
<td>30–31 October</td>
<td>CAS AutoSympo 2013</td>
<td>Roztoky u Prahy, Czech Republic</td>
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Find out more

www.fisita.com/patronage
Towards the end of 2013 we received the news that Ian Dickie, FISITA Chief Executive, was leaving FISITA. Mr. Dickie has contributed significantly in all areas of FISITA’s activities during his custodianship of FISITA, since taking on the role in 1996. Ian, with whom a large number of you will be familiar, very much became an integral part of FISITA, working tirelessly to ensure the organisation’s relevance in the rapidly shifting world of the global automotive industry.

Over the 17 years he has worked for FISITA Ian pioneered key restructures of the FISITA committees, enabling members to collaborate more easily and effectively. He also developed a range of essential resources for all members, such as the online bookstore, technical papers database and established a modern online presence for FISITA and all its events and communications.

Ian has also built new strategic and powerful alliances for the future, such as the communiqué with COP15, drawing up a Memorandum of Understanding with PIARC – the World Roads Association and becoming a member of the UNRSC, as well as regularly spreading the message of FISITA at international events all over the world.

The FISITA family of Member Societies and Honorary Committee Members has grown steadily under Ian’s stewardship, in particular offering members and student members an ever-increasing variety of initiatives and programmes to learn, develop and share knowledge.
Ian helped catalogue FISITA’s past and look to its future in the commemorative *FISITA @ Sixty* publication. He reminded stakeholders that FISITA’s original purpose: ‘the promotion of the development of the automobile, of its technology, of its component parts and of its use, by the exchange of experiences and accomplishments between members of the affiliated associations’ is as relevant today as it was in 1948 when FISITA was founded.

Over time and under his guidance the aim *Progressons en commun* has evolved to include the establishment of world-class international initiatives to share knowledge for the advancement of automotive technology and to help develop the skills and capabilities of the young engineers who are the future of our industry. This is in no small part due to Ian’s efforts, developing education projects and offering strategic leadership and guidance to the biennial FISITA Congress organisers.

We at FISITA wish Ian well for the future and know that he will be incredibly missed by his colleagues past and present here in London and around the world.
FISITA’s Goals

Promote active cooperation and information exchange between all member societies and between FISITA and member societies, enabling each to deliver added value to its individual members.

Provide leadership to industry, academia and society on global technical issues concerning automotive technology.

Support the continuing professional development of automotive engineers.

Support the education, training and international experience of students and young engineers.

Raise FISITA’s profile among engineers, auto industry leaders and decision-makers concerned with automotive mobility.

Ensure an effectively managed organisation with sufficient and sustainable resources.

<table>
<thead>
<tr>
<th>Executive Board 2012–2013</th>
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<tbody>
<tr>
<td>President</td>
<td>Dr. Li Jun FAW Group Corporation R&amp;D Centre, China</td>
</tr>
<tr>
<td>Chief Executive</td>
<td>Ian Dickie</td>
</tr>
<tr>
<td>Immediate Past President</td>
<td>J.E. Robertson FSAE, P.Eng. Magna International, United States</td>
</tr>
<tr>
<td>Past President</td>
<td>Dipl.-Ing. Christoph Huss BMW Group, Germany</td>
</tr>
<tr>
<td>President Elect</td>
<td>Paul Mascarenas Ford Motor Company, United States</td>
</tr>
<tr>
<td>Vice President – Finance</td>
<td>Dr. Kazuo Okamoto Toyota Motor Corporation, Japan</td>
</tr>
<tr>
<td>Vice President – Technical</td>
<td>Prof. Kwang Min Chun Korean Society of Automotive Engineers, Korea</td>
</tr>
<tr>
<td>Vice President – Education</td>
<td>Dr.-Ing. Daniela Hein VDI-Society for Product and Process Design, Germany</td>
</tr>
<tr>
<td>Vice President – Internal &amp; External Relations</td>
<td>Murl Iyer SAE International, United States</td>
</tr>
<tr>
<td>Vice President – Americas</td>
<td>Dr. David Schutt SAE International, United States</td>
</tr>
<tr>
<td>Vice President – Asia</td>
<td>Takao Kubozuka Society of Automotive Engineers of Japan Inc., Japan</td>
</tr>
<tr>
<td>Vice President – Europe</td>
<td>Dr.-Ing. Ludwig G.E. Vollrath VDI-FVT, Germany</td>
</tr>
<tr>
<td>Congress Chairman 2012</td>
<td>Xu Jiany China FAW Group Corporation, China</td>
</tr>
<tr>
<td>Congress Chairman 2014</td>
<td>Harrie Schippers DAF Trucks, the Netherlands</td>
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## Honorary Committee

The FISITA Honorary Committee is a select group of global automotive industry leaders who support FISITA’s mission to help create efficient, affordable, safe and sustainable transportation. FISITA gratefully acknowledges the support of all Honorary Committee members and their companies.

<table>
<thead>
<tr>
<th>Company</th>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>AVL List GmbH</td>
<td>Prof. Helmut List</td>
<td>Chairman &amp; CEO</td>
</tr>
<tr>
<td>Beijing Automotive Group Co., Ltd.</td>
<td>Heyi Xu</td>
<td>Chairman of the Board</td>
</tr>
<tr>
<td>BMW AG</td>
<td>Dr. Ing. Herbert Diess</td>
<td>Member of the Board of Management</td>
</tr>
<tr>
<td>Robert Bosch GmbH</td>
<td>Wolf-Henning Scheider</td>
<td>Member of the Board of Management</td>
</tr>
<tr>
<td>BP plc</td>
<td>Luc Bardin</td>
<td>Group Chief Sales &amp; Marketing Officer</td>
</tr>
<tr>
<td>Bridgestone Corporation</td>
<td>Masaaki Tsuya</td>
<td>Chairman of the Board, President &amp; CEO</td>
</tr>
<tr>
<td>Calsonic Kansei Corporation</td>
<td>Shigeo Shingyoji</td>
<td>Executive Vice President</td>
</tr>
<tr>
<td>China Automotive Technology and Research Center</td>
<td>Zhao Hang</td>
<td>President</td>
</tr>
</tbody>
</table>

Find out more

www.fisita.com/about/honorary
Honorary Committee

IDIADA Automotive Technology SA
Dr. -Ing Carles Grasas
Chief Executive Officer

MANN+HUMMEL GMBH
Alfred Weber
President & Chief Executive Officer

JATCO Ltd.
Yo Usuba
Executive Vice President

Mitsubishi Chemical Holdings Corporation
Dr. Yoshihitsu Kobayashi
President & CEO

Johnson Controls
Dr. Beda Bolzenius
Vice President & President Automotive Experience

Mitsubishi Motors Corporation
Ryugo Nakao
Managing Director
Product Projects & Strategy Group HQ

JTEKT Corporation
Tetsuo Agata
President

Mitsui Chemicals, Inc.
Toshikazu Tanaka
President & CEO

Koito Manufacturing Co., Ltd.
Takashi Ohtake
Chairman & CEO

Nissan Motor Co., Ltd.
Mitsuhiko Yamashita
Executive Vice President, Research & Development

LG Chem, Ltd.
Jong Hyun Kim
Senior Vice President

Panasonic Corporation
Masahisa Shibata
Executive Officer, President Automotive Systems Company

Magna International Inc.
Donald J. Walker
Co-CEO

Porsche AG
Wolfgang Hatz
Member of the Board of Management

MAHLE Group
Prof. Dr.-Ing, Heinz K. Junker
Chairman of the Management Board & CEO

Renault
Jean-Michel Billig
Member of the Renault Executive Committee
Executive Vice President Engineering, Quality & IT Group
FISITA’s members are the automotive engineering societies in 37 countries.

Together we make up a community of almost 200,000 automotive engineers, working together to disseminate and share automotive technology.
Italy – ATA 1,768 members
Associazione Tecnica dell'Automobile
Tel: +39 011 9032 364
Email: ata@ata.it
http://www.ata.it

Japan – JSAE 44,000 members
Society of Automotive Engineers of Japan Inc
Tel: +81 3 356 3971/2
Email: info@jsae.or.jp
http://www.jsae.or.jp

Korea – KSAE 3,057 members
The Korean Society of Automotive Engineers
Tel: +82 2 2949 8306
Email: krjsaes.makksig@rigassatiksme.lv
http://www.ksae.org

Latvia – LAIA 84 members
Latvia Association of Automobile Engineers
Tel: +371 2949 8306
Email: krisjanis.markis@rigassatiksme.lv
http://www.laia.lv

Lithuania – LAIS 30 members
Lithuanian Society of Automotive Engineers
Tel: +370 5 2744792
Email: saugirdas.pukalskas@vgtu.lt
http://www.lais.lt

Poland – SIMP 358 members
Stowarzyszenie Inżynierów i Techników Mechaników Polskich
Tel: +48 22 827 1768
Email: ajank@ilot.edu.pl
http://www.ptim.simp.pl

Romania – SIAR 336 members
Societatea Inginerilor de Automobil din România
Tel: +40 21 316 9608
Email: siar@siar.ro
http://www.siar.ro

Russia – AAE 350 members
Association of Automotive Engineers – Russia
Tel: +7 495 994 9915
Email: zagarin@autoorc.ru
http://www.autoengineer.org

Serbia – JUMV 150 members
Jugoslovensko Drustvo za motore i vozila
Tel: +381 11 3370 358
Email: cduboka@mas.bg.ac.rs
http://www.jumv.rs

Slovak Republic – SAITS 160 members
Spolok Automobilových Inžinierov a Technikov Slovenska
Tel: +421 2 5729 6306
Email: saits@saits.bts.sk
http://www.saits.bts.sk

Slovenia – AMETS-AG 298 members
Association of Mechanical Engineers and Technicians of Slovenia – Automotive Group
Tel: +386 14 771 504
Email: jernej.klemen@fs.uni-lj.si
http://www.zveza-zsis.si

Spain – STA 608 members
Sociedad de Técnicos de Automoción
Tel: +34 93 233 24 47
Email: sta@stauto.org
http://www.stauto.org

Sri Lanka – IAE Sri Lanka 1,280 members
Institute of Automotive Engineers – Sri Lanka
Tel: +94 1 269 7151
Email: priyantha@iaesl.lk
http://www.iaesl.lk

Sweden – SVEA 555 members
Swedish Vehicular Engineering Association
Tel: +46 31 169 985
Email: info@sveafordon.com
http://www.sveafordon.com

Switzerland – SAE Switzerland 732 members
Society of Automotive Engineers, Switzerland
Tel: +41 32 331 1371
Email: onder@ethz.ch
http://www.sae-schwitzerland.ch

Thailand – TSAE 292 members
Society of Automotive Engineers of Thailand
Tel: +66 2 218 6617
Email: tsae@tsae.or.th
http://www.tsae.or.th

The Netherlands – KIVI- Automotive Division 582 members
Royal Dutch Society of Engineers
Tel: +31-63 433 3355
Email: jac.wismans@safeteq.com
http://www.kivi.nl

United Kingdom – IMechE 8,077 members
Institution of Mechanical Engineers – Automobile Division
Tel: +44 20 7304 6996
Email: ge@imeche.org
http://www.imeche.org

United States of America – SAE International 54,500 members
SAE International
Tel: +1 724 772 8516
Email: sae@sae.org
http://www.sae.org

Vietnam – VSAE 500 members
Vietnamese Society of Automotive Engineers (VSAE)
Tel: +84 4 357 44535
Email: office@vsae.org.vn
http://www.vsae.org.vn

Find out more

www.fisita.com/membership/members