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.
2011/12 was a period of continuing economic challenges for many of us in the global automotive industry. Turbulent market conditions, especially in Europe, have led to budgets being squeezed and the time available to support society activities is under pressure like never before.

As the world body for automotive engineers, FISITA will continue to support our members through these uncertain times by renewing our focus on delivering the things that really matter to our profession: the latest and best technical knowledge; powerful global networking opportunities; high profile education initiatives that will inspire the next generation to work in automotive engineering, and influencing the debate around safe and sustainable mobility in important world fora.

In April 2012 we took an important step in establishing our own capability to directly create and organise international topical conferences. EuroBrake 2012 responded to a clear industry demand with a meeting which combined great content, quality execution and value for money. It gives us a template for future meetings which can fulfil industry’s need for focussed information and global networking, and generate vital revenue for FISITA at the same time.

While we continue to work on sharing knowledge between the world’s engineers, we are also striving to put the engineering profession at the heart of important discussions which are taking place around the future of mobility itself. A good example is the United Nations Road Safety Collaboration (UNRSC). This is the body charged with planning and executing the Decade of Action on Road Safety and FISITA is proud to have been elected a member in November 2011.

The sheer pace of change in our industry, especially the increased speed of vehicle development cycles and the convergence of mobility technologies with advances in IT, communications and infrastructure, threatens to overwhelm us sometimes. It is here that FISITA can play a vital role, through our World Congress, Summit, conferences and publications by helping to cut through the information overload and to focus on the most significant technical and social changes which are driving the industry at the global level.

What has not changed is the need for imaginative people to develop and apply the new tools and technologies that will move us forward. Many CEOs of automotive companies believe that the greatest threat to a sustainable future for the automobile is a shortage of engineering talent. In June 2012 we launched a new website: Your Future in Automotive, which aims to communicate the excitement and opportunity offered by a career in today’s automotive industry. The site combines engaging video interviews with engineers, practical education and careers advice and opportunities to gain work experience. For FISITA this represents an important and strong start in what will be an on-going strategy to convince the brightest young people to think about joining the mobility industry.

Over the past two years we have invested significant time and effort in carrying out a comprehensive governance review which has led to our constitution, processes and structures being updated and made more fit-for-purpose for a modern, dynamic association with members in 37 countries. We expect to reap the benefits, not least in the form of faster decision-making and greater empowerment of our staff and activists to make things happen.

FISITA is in a stronger position financially than at any point in its history. The Executive Board is committed to maintaining financial prudence and in particular ensuring a positive income from activities.

We are proud that, in spite of the prevailing economic uncertainty, our industry support has reached a record high. Four leading companies have joined the FISITA Honorary Committee during the past twelve months: Guangxi Yuchai Machinery Co., Ltd., TE Connectivity, Weichai Power Co., Ltd. and Geely Holdings Co. Ltd. and our Honorary Committee now comprises 62 of the world’s top automotive companies.

While today’s industry is fiercely competitive, we are convinced that engineering works best through teamwork and collaboration. The best engineering requires the best partnerships and collaborations. FISITA will continue to strive to become the preferred platform for the world’s automotive experts to come together, share ideas and meet the challenge of providing sustainable mobility for people everywhere.

J. E. Robertson FSAE, P.Eng.
President 2010–2012

Ian Dickie
Chief Executive
FISITA’s biennial World Automotive Congress remains the Federation’s flagship event. For more than sixty years, the FISITA Congress has been the international forum where the companies and institutes who will shape the technology content of tomorrow’s vehicles come together, attracting thousands of engineering professionals from across the globe.

The 34th FISITA World Automotive Congress will take place in Beijing, China from 27-30 November and is hosted by SAE-China the Chinese FISITA Member Society. Today’s China is arguably the most important growth-market for automotive technology, and the FISITA Congress serves as a bridge between China and the rest of the automotive world at this exciting time.

FISITA 2012 succeeded in attracting more than 1520 abstracts and a total of 500 technical papers and 500+ posters will be presented during the Congress. FISITA 2012 will feature presentations from leading engineers, scientists and specialists concerned with every aspect of the research, design, development and production of vehicles and their systems. Together they will explore the future direction for the global industry in key areas including powertrains, alternative fuels, vehicle dynamics, safety systems, electronics, manufacturing and Intelligent Transportation Systems.

China’s Minister for Science & Technology, Prof Wan Gang, will give a keynote speech at the Opening Plenary, followed by an international CEO Round Table. The Plenary Session on Safety will be chaired by Dr. Gu Lie, Executive Vice President, Beijing Automotive Technology Center, who will be joined by Wolf-Henning Scheider, Bosch Board Member; Hiromi Tokuda, Executive Vice President, Denso; Jeffery J. Owens, Chief Technology Officer, Delphi and Dr. Feng Shen, Vice President Research and Development, Volvo. They will discuss the technical trends of safety:

- passive safety
- active safety
- intelligent safety

A new innovation for 2012 are the Special Sessions, which are directly organised by companies and universities on diverse topics including:

- Mobility Services – Opportunities and Challenges (organised by BMW Group)
- Infrastructure Development for Electric Vehicles (organised by General Motors)
- Technical Trends for ECU Development (organised by ETAS Automotive Technology)

Technical tours complement the conference programme, and include visits to Beijing Automotive Technology Center/Beijing Hyundai Motor Company Corporation, Beijing Auto Museum and Beijing Institute of Technology.
A Proud Tradition, a Fresh Image

2012 saw the re-branding of the FISITA World Automotive Congress, now in its sixty-fourth year, with the creation of a new identifier, website and house style. The new look is aimed at creating a more high-tech, contemporary image and will also be used to deliver greater consistency of presentation from one World Congress to the next. It debuts with the 2014 World Automotive Congress.

FISITA 2014 Maastricht, the Netherlands

Planning is already well advanced for the 35th FISITA World Automotive Congress. FISITA 2014 will take place in Maastricht, the Netherlands, from 2-6 June, 2014 hosted by The Royal Institution of Engineers - KIVI NIRIA.

FISITA 2014 will focus on the theme: Intelligent transport to solve our future mobility, safety and environmental challenges

Developed and developing countries alike face urgent problems with road traffic congestion and traffic-related environmental problems; the Netherlands more than most. FISITA 2014 will examine the most significant research and development activities in the fields of vehicle propulsion, dynamics, safety, weight-reduction, ITS and more from the world’s top companies and universities.

The Netherlands together with neighbouring Belgium and Germany forms a strong automotive region with a network of high tech suppliers, universities and research centres that serve the complete value chain of the automotive industry. The centre of the region itself, dubbed ‘Brainport Eindhoven’, won the title of ‘Smartest region in the world’ in 2011 and this environment, together with local and national government support, facilitates the role of innovations in the field of sustainable road transportation.

FISITA 2014 Important Dates

1 August 2013
Deadline for abstracts

1 February 2014
Deadline for final manuscript delivery

2–6 June 2014
FISITA World Automotive Congress

FISITA 2014 Key Topics

1 Clean and Efficient Engine Technologies
2 New Energy Powertrain
3 Transmissions and Hybrids
4 Lightweight Solutions
5 Automated and Cooperative Driving
6 Advanced Safety Technologies
7 Vehicle Dynamics and Intelligent Vehicle Controls
8 Noise Vibration and Harshness (NVH)
9 Automotive Human Factors
10 New Mobility and Vehicle Concepts
FISITA organised the first World Automotive Summit in 2009 as a means to bring together the leaders of the automotive industry with policymakers and influential thinkers, to work on issues of major importance to the future of our industry. The first Summit discussed CO₂ reduction from road transport and led to FISITA becoming a participant in the UN Framework Convention on Climate Change.

Following the 2010 event, which covered global traffic safety, FISITA became a participant in WHO’s Global Road Safety Collaboration.

FISITA’s third annual World Automotive Summit took place in Mainz, Germany from 17–18 November 2011, and brought leaders from the automotive industry together with influential players from governments, NGOs and academia to ask:

How can we shape personal mobility for the megacity?

According to the UN, 3 in 5 of us will live in cities by 2030; many in so-called ‘megacities’ of more than 10 million inhabitants. This global shift towards an urban way of life, combined with rapid and relentless advances in information and communications technologies will have the most profound effect on why and how we move in the decades to come.

100 influencers from the FISITA Honorary Committee, as well as experts from universities and think tanks took part. As ever, the programme read like a who’s who of the mobility world.

Eva Molnar, Director Transport Division of the UN Economic Commission for Europe, told participants that the Commission sees ITS technologies as key to keeping Europe’s cities moving. She argued that there were hard and fast limits to ‘transportation growth in the old way’, and urged automotive manufacturers to work more closely with policymakers to overcome the current financial and regulatory barriers to widespread ITS deployment and to establish international standards.

Urban mobility expert, Prof. Jeff Kenworthy, gave an enlightening presentation on his work on global megacity cluster analysis, with important insights and recommendations for urban planners as well as the automotive industry.

“We appear to be at the beginning of the recession that will lead into the new long wave business cycle. Mobility in megacities will need to adapt to the sustainability basis of this new long wave business cycle. The traditional car industry will do best by adapting its business model to support and to be a major player in this larger transition.
to ecologically regenerative megacities. This will mean finding new business niches and new ideas that help megacities manage their mobility needs using a combination of advanced forms of new cars, (increasingly collectively deployed and managed), advanced public transport systems and superb conditions for walking, cycling, as well as new forms of bicycle mobility … overall: much cleverer, cleaner and more comfortable mobility systems’.

Prof. Lawrence Burns, former GM Research VP and author of *Reinventing the Automobile*, made a powerful case for autonomous driving vehicles. Prof. Burns, now an advisor to Google’s self-driving vehicle programme in California, argued that when one places an economic value on the time spent driving a vehicle, shared driverless tailored vehicles of the future could achieve a cost-per-day of as little as 4% of that of today’s personally owned cars.

Car sharing guru, Robin Chase, founder of the world’s largest car club, Zipcar, and the peer-to-peer car sharing business, Buzzcar, told the Summit that the major business success stories of the past decade (Google, eBay, Facebook, YouTube etc.) were all ‘people-powered’ businesses, enabled by technology. She argued that there was no reason why personal mobility should not evolve along the same lines.

Other expert speakers came from California’s Metropolitan Transportation Commission, EMBARQ, University of Tokyo, The World Bank, IBM, Orange and Forum for the Future. All participated in a lively panel discussion moderated by Prof. Ulrich Seiffert.

Video and presentations from the summit can be viewed on the website.

“The traditional car industry will do best by adapting its business model to support and to be a major player in the larger transition to ecologically regenerative megacities.”

Prof. Jeff Kenworthy
Curtin University of Technology & Goethe University

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2011 Featured Speakers

**Ms. Eva Molnar**
Director Transport Division
United Nations Economic Commission for Europe (UNECE)

**Prof. Jeff Kenworthy**
Curtin University of Technology & Goethe University

**Dr. Lawrence D. Burns**
University of Michigan
(formerly of General Motors)

**Ms. Ann Flemer**
Deputy Executive Director, Policy
Metropolitan Transportation Commission
California

**Prof. Luis Antonio Lindau**
President and Director
EMBARQ Brasil

**Prof. Noboru Harata**
University of Tokyo

**Dr. Andreas Kopp**
Lead Transport Economist
The World Bank

**Robin Chase**
Founder & CEO
Buzzcar & Zipcar

**Mr. Christian Kirschniak**
Partner
IBM GBS BAO

**Patrick Martinoli**
Innovation Program Manager
Orange

**Peter Madden**
Chief Executive
Forum for the Future

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Workshops

**WS 1 Do cars shape cities or do cities shape cars?**
Moderator: Mr. Florian Lennert, InnoZ

**WS 2 Do city dwellers drive because they need to, or because they can?**
Moderators: Mr. Frank Hansen BMW Group and Dr. Tobias Kuhnlimhof, ifmo

**WS 3 Can the automobile survive in the megacity?**
Moderator: Dr. Frank Ruff, Daimler AG
In 2011 FISITA identified the need to organise more topic-specific international meetings to meet the needs of the specialist engineer, concentrating on a particular branch of technology. The outcome was the first EuroBrake conference, which took place Germany in April 2012 and brought together for the first time in Europe leading experts from industry and academia in the field of braking technology.

With Europe leading the way in the research, development and manufacture of high technology braking systems, Dresden played host to the inaugural event and after overwhelmingly positive feedback, will also host the 2013 conference.

The capital of Saxony provided a dramatic backdrop for the three day conference and exhibition which addressed the whole range of solutions from raw materials to advanced electronic systems.

FISITA’s first foray into topic-specific meetings was a resounding success. EuroBrake 2012 attracted 675 delegates from 37 countries. With more than 100 technical presentations and 50+ exhibitors, it was the largest dedicated braking conference in the world, bringing together experts from the passenger car, commercial vehicle, motorcycle, rail, aerospace and wider industrial fields.

EuroBrake 2012 recognised the part that innovative braking technologies play in improving safety, conserving energy and reducing harmful emissions – the three top priorities for mobility in the 21st century. Keynote speakers included Dr. Peter Rieth, Member of the Management Board, Continental AG; Derek Whitworth, CEO, TMD Friction; and Prof. Stefan Gies, Head of Chassis Development, Volkswagen AG.

The accompanying exhibition featured 53 stands, housing many of the most innovative companies and institutes working in brake system design, manufacturing, materials, testing and analysis. In addition to the high-level scientific and technical information on offer, social highlights such as the Gala Dinner, and the technical visit to Die Gläserne Manufaktur, Volkswagen’s radical re-interpretation of car manufacturing, offered the opportunity to make contacts and build relationships with colleagues from all over the world.

“Congratulations to FISITA!

EuroBrake 2012 created the perfect forum to deal with all aspects of the braking function, from the system level down to the materials – providing a setting worthy of the great significance of the braking function in regard to safe and efficient transport of people and goods. The first conference in 2012 set the bar very high indeed in terms of scope, depth, quality, technology exhibition and supporting programme. It’s going to be hard to top.

I’m already looking forward to EuroBrake 2013 and hope to see you there.”

Dr. Peter Rieth
Senior Vice President
Systems & Technology
Continental AG
With this first conference, FISITA established the internal capability to develop and execute a major essential learning and networking conference serving engineers, scientists and executives concerned throughout the value-chain, from OEMs through to material suppliers and engineering service-providers, to a high standard, profitably.

This capability can now be utilised for the development of other new events serving further important technology niches in the future.

The next conference will take place from 17–19 June at the Maritim International Congress Center, Dresden.
FISITA Patronage

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.

### FISITA Patronage Events

#### 2011

<table>
<thead>
<tr>
<th>Date</th>
<th>Organizer</th>
<th>Event Title</th>
<th>Location</th>
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<tbody>
<tr>
<td>6–8 October</td>
<td>SAEINDIA</td>
<td>APAC16</td>
<td>Chennai, India</td>
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<tr>
<td>12–13 October</td>
<td>VDI-FVT</td>
<td>Electronic Systems for Motor Vehicles</td>
<td>Baden-Baden, Germany</td>
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<tr>
<td>25–26 October</td>
<td>VDI-FVT</td>
<td>Tires – Chassis – Roads</td>
<td>Hannover, Germany</td>
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<tr>
<td>2–4 November</td>
<td>SIAR</td>
<td>The International Congress on Automotive CAR International</td>
<td>Pitesti, Romania</td>
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<tr>
<td>3–4 November</td>
<td>SIMP</td>
<td>X International Conference on Breaking and Safety</td>
<td>Lodz, Poland</td>
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<tr>
<td>8–9 November</td>
<td>IMechE</td>
<td>Fuel Economy &amp; Sustainable Road Transport</td>
<td>Pune, India</td>
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<tr>
<td>8–10 November</td>
<td>JSAE</td>
<td>The 17th Small Engine Technology Conference 2011</td>
<td>Sapporo, Japan</td>
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<tr>
<td>29–30 November</td>
<td>IMechE</td>
<td>Conference of Internal Combustion Engines</td>
<td>London, UK</td>
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#### 2012

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<tr>
<th>Date</th>
<th>Organizer</th>
<th>Event Title</th>
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<tbody>
<tr>
<td>14–15 March</td>
<td>IMechE</td>
<td>Fuel Systems for IC Engines</td>
<td>London, UK</td>
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<tr>
<td>12–13 April</td>
<td>AMETS-AG</td>
<td>Innovative Automotive Technology IAT2012</td>
<td>Slovenia</td>
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<tr>
<td>24–26 April</td>
<td>SAE International</td>
<td>SAE World Congress &amp; Exhibition</td>
<td>Detroit, USA</td>
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<tr>
<td>26–27 April</td>
<td>ÖVK</td>
<td>33rd International Vienna Motor Symposium</td>
<td>Vienna, Austria</td>
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<tr>
<td>30–31 May</td>
<td>ATA</td>
<td>3rd International Conference Car Interiors: Technological challenges as a competitive factor</td>
<td>Turin, Italy</td>
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<tr>
<td>19–20 June</td>
<td>VDI</td>
<td>International VDI Congress Transmissions in Vehicles 2012</td>
<td>Friedrichshafen, Germany</td>
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<tr>
<td>9–12 September</td>
<td>KSAE</td>
<td>11th International Symposium on Advanced Vehicle Control AVEC12</td>
<td>Seoul, Korea</td>
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<tr>
<td>18–19 October</td>
<td>ATA</td>
<td>VI International Conference Advanced chassis systems and architectures: trends and Challenges of the global market</td>
<td>Torino, Italy</td>
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<tr>
<td>7–9 November</td>
<td>SIAR</td>
<td>Motor Vehicle and Transportation 2012 MVT 2012</td>
<td>Timisoara, Romania</td>
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<tr>
<td>7–8 November</td>
<td>ATA &amp; SAE International</td>
<td>International Conference Convergence of Systems Towards Sustainable Mobility</td>
<td>Turin, Italy</td>
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FISITA’s partnership with John Wiley to create the world’s largest single reference work for automotive engineering continued apace in 2012 with the first completed articles reviewed and signed off, and 95% of commissioning now complete.

The encyclopedia will be published in five black and white printed volumes with a total extent of around 3,500 pages. Following print publication, it will be published in colour with full-text searchability in the Wiley Online Library.

PIARC-FISITA Joint Report on the Connected Vehicle

The advent of Intelligent Transport Systems has provided new opportunities for improving the safety and efficiency of the road network. The development of intelligent vehicles, connected by wireless networks to the roadside infrastructure, brings opportunities and challenges which are discussed in this report produced by a joint task force of FISITA and PIARC (the World Road Association).

The connected vehicle is no longer a research concept but a reality. The joint report summarises recent developments and provides an analysis of the current issues from the perspectives of different stakeholders: the automotive industry; IT and telecommunications; digital mapping and information services; and equipment and control system suppliers.

Issues are also considered from a public policy perspective, in particular: the economic case for investment and the benefits of the connected vehicle to road network operations. The factors which impact on the deployment of co-operative systems are also considered in depth, with an exploration of technological issues, government-led activities, operational issues and legal and regulatory issues.

In the last chapter, the report offers some pointers on the way forward, in particular regarding the required close relationships between all sides of industry and public authorities.

The report is available to download free of charge.
A key strategic objective for FISITA is to influence the debate and decisions made within international institutions around mobility policy by providing the voice of the automotive engineering profession.

“We believe we can make a useful contribution to supporting the more detailed planning and execution of the Decade of Action, specifically the Safer Vehicles pillar. And by becoming involved in the UNRSC, we can help to raise the consciousness of engineers and executives concerning the true picture with respect to global road safety, especially in low income countries.”

Ian Dickie
Chief Executive
FISITA

In terms of importance, there is no more pressing challenge today than that of traffic safety, so we were deeply honoured when, on 16 November 2011, the United Nations Road Safety Collaboration (UNRSC) voted to accept FISITA as a member organisation at its meeting at the World Health Organisation in Geneva.

Today more than 1.2 million people a year lose their lives in road accidents. A great many of these fatalities occur in the developing world, in markets to which our industry looks for future growth opportunities. Whilst we have been successful in reducing the numbers killed or injured in mature vehicle markets, through improvements in technology and public policy, at a global level traffic safety remains a ticking time bomb.
In growth markets throughout the world necessary levels of infrastructure investment, driver education and enforcement are failing to keep pace with increasing vehicle ownership rates. Without urgent and coordinated action on the part of industry, governments, road operators and NGOs, the global number of fatalities and injuries is set to double by 2030. This represents not only a major humanitarian crisis but also a direct threat to the sustainability of the automotive industry.

Established in 2004, the UNRSC holds biannual meetings to discuss global road safety issues and acts as conduit for road safety issues across the United Nations system. The UNRSC is the coordinating body for the UN’s Decade of Action for Road Safety, launched in April this year. Members include national governments, intergovernmental organisations, development banks, and NGOs concerned with promoting road safety and improving roads and infrastructure.

FISITA participated in the April 2012 UNRSC meetings held at the World Bank in Washington DC, and helped to draft the terms of reference for Project Group 3, which deals with Safer Vehicles.

We anticipate that the work of the project group will include the organisation of a seminar on the Vehicle Pillar of the Global Plan, the development of a monitoring system related to the proposed indicators of the Vehicle Pillar – as well as an examination of issues not yet included in the recommended activities such as vehicle roadworthiness, tyre safety etc. – which could enable the potential safety performance of today’s vehicles to be better realised.

**PG3 Objectives**

To support implementation of the Global Plan for the Decade of Action on Road Safety and the work of the UNRSC.

To operate as a Project Group as set out in the ToR of the UNRSC recognising its informal status primary role to support information exchange and advocacy and three year mandate.

To work closely with the Secretariat of the UN World Forum for the Harmonization of Vehicle Regulations (WP29) to avoid duplication and support their work.
Your Future In Automotive

The global automotive industry needs to recruit the brightest engineering and scientific minds to work on advanced technologies ranging from alternative propulsion systems to autonomous driving vehicles, in order to ensure safe and sustainable mobility in the decades ahead. Yet although the industry offers fantastic career prospects throughout the world, automakers are struggling to hire enough qualified engineering graduates to drive these new technologies forward.

To help attract the engineers of tomorrow FISITA developed a major new on-line initiative, www.yourfutureinautomotive.com, designed to communicate the excitement and diverse opportunities which a career in automotive engineering can offer young people.

Launched in August 2012, the website highlights the huge amount of innovation and cutting-edge new technology being generated within the automotive industry and offers practical advice on engineering education and careers, ranging from a global university guide to tips on job interviews.

Real engineers, real advice
The centrepiece of the site is a series of information-packed video interviews with graduate engineers, experienced professionals and HR specialists from the automotive industry offering guidance, advice and information about what it’s really like to work as an automotive engineer in today’s fast-moving, global industry. Engineers from companies including Bentley Motors, Ford Motor Company, Jaguar Land Rover, Nissan, Tata Motors and Toyota talk about how they got started in automotive engineering, their academic careers, what they’re working on today and their ambitions for the future.

Feedback received so far, both from young people and industry HR professionals, has been enthusiastic and the number of ‘views’ on FISITA’s Your Future in Automotive YouTube channel has been steadily increasing.

Student Travel Bursaries

The aim of FISITA Student Travel Bursaries is to enable students to get hands-on experience and encourage them to choose a career in the automotive sector through the provision of bursaries of up to EUR 2000. This year saw a record number of Travel Bursary Applications: a 60% increase on applications received with increased competition providing a challenge for the judges.

The first phase of Bursary awards saw students taking placements at Bosch in Germany; Continental in Singapore; HAN University in the Netherlands; McLaren Automotive Limited in the UK and Renault Trucks in France amongst many others. Successful applicants for the second phase will be notified throughout November–December 2012.
Student Congress

The FISITA Student Congress takes place during the World Automotive Congress and offers students and young engineers the perfect platform to present their research projects and papers, gain knowledge from their peers and network with Congress delegates.

Prizes are awarded for the best three papers presented at the Congress by students and young engineers and are distributed at the Closing Ceremony of the Main Congress:
- First Prize EUR 1000 and Certificate
- Second Prize EUR 700 and Certificate
- Third Prize EUR 500 and Certificate

Islands of Excellence at FISITA 2012

FISITA is encouraging young scientists to take a visionary look into the future of automotive technology. Prior to the congress, universities from around the world compete to win the chance to present their research projects in the heart of the exhibition.

Educators Seminar at FISITA 2012

As part of the programme for the FISITA 2012 World Automotive Congress, FISITA has again organised its highly popular Educators Seminar. The title of this year’s Seminar is The future of automotive engineering education – are we going in the right direction? and it will feature expert viewpoints from academia, industry and students themselves.

The seminar will address important questions in engineering education and cover the latest trends and developments from both education and industry perspectives. Delegates will include an international audience of academics, researchers, engineers as well as specialists from industry and vocational / tertiary educators, students and young engineers.

Proceedings will be documented to produce a report on Automotive Engineering Education which will be available to download on the FISITA website.

Travel Bursary Application

Applications to the Travel Bursary are considered twice a year with the following deadlines:
- 31 March: Applicants attending placements April–October
- 31 October: Applicants attending placements November–April

The 2012 Islands of Excellence winners

- Oswestfalen-Lippe University of Applied Science, Germany: New technology high-dynamical MRF-clutch for safe and energy-efficient use in powertrains.
- Jilin University, China: Internet of vehicles demonstration system.
- Brunel University, UK: An innovative and cost-effective pneumatic mild hybrid technology for buses and commercial vehicles.
“Improving the exchange and cooperation between China and the world will be a main objective for me. Over the last decade, China has witnessed a boom in its automotive industry. In 2011 total market volume reached 18.5 million vehicles, of which 14.5 million were passenger cars, making China the largest vehicle market in the world. Compared to recent years, this rapid growth has slowed considerably. I think the Chinese auto market will now focus on continuous improvement in a period of stable growth.

I will also try to improve the financial situation of FISITA by encouraging more members to join, and to grow the Honorary Committee. The automotive industry in China and other developing and emerging countries will continue to grow over the next decade and more and more car manufacturers are looking for a common platform like FISITA.”

Dr. Li Jun
Vice Chief Engineer
China FAW Corporation Limited
and President of China FAW R&D Center

Recognition of Service awards

These awards recognise individuals who have provided exemplary service and leadership to FISITA. Two awards were made in 2012:

Prof. Kwang-Min Chun, KSAE
Prof. Kwang Min Chun has dedicated his time and energy for KSAE and FISITA over many years. He has played important roles in the Technical Committee since January 2006.

APAC member countries need further cooperation and additional support to strengthen the region’s activities in terms of automotive engineering and Prof. Chun continues to participate in the major events such as APAC-16 in Chennai. Prof. Chun also successfully campaigned to bring the 2016 FISITA Congress to Korea, helping to enhance development and sharing of research and experience in Asia and worldwide. Prof Chun has joined the Executive Board of FISITA for the next term, 2012-2014, as VP Technical and will continue to assist FISITA with its activities in Asia and beyond. He is also President Elect of KSAE and will take up this appointment in 2013.

Prof. Yasuhiro Daisho, JSAE
Prof. Daisho has made significant contributions to FISITA through his vision and leadership particularly in the technical arena. As Congress Chair of FISITA 2006 in Yokohama he led the organisation of one of the most successful congresses in FISITA’s history.

From 2008–12 Prof. Daisho served as Chairman of the FISITA Technical Committee where he worked tirelessly to find ways to improve the quality of FISITA’s technical papers, as well as providing strong support for the Encyclopedia of Automotive Engineering.
Dr. Li Jun, FISITA President 2012–14

Dr. Li Jun, Vice Chief Engineer at China FAW Corporation Limited and President of China FAW R&D Center, will take over as FISITA President for the term 2012–14. As FISITA’s first Chinese President, one of Dr. Li’s goals will be to strengthen FISITA’s ties with the world’s fastest growing automotive nation at this exciting time in its development.

The global auto industry increasingly focuses its attention on China. Many car manufacturers are building technology centres in China and developing products for the Chinese market. More and more new models are making their market debut in China. The Chinese automotive industry is growing not only in size, but also its strength.

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.

FISITA Staff

Chief Executive
Ian Dickie

Director, Administration & Finance
Helen Lycett

Executive Officer
Kelly Williams

Education Officer
Elliot Maule

Events Officer
Mani Rai

Events Assistant
Josephine Timmins

Office Manager & PA to the Chief Executive
Suzy Quiquero
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>Chair/CEO/President</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bentley Motors Ltd.</td>
<td>Wolfgang Schreiber Chairman and Chief Executive</td>
</tr>
<tr>
<td>BMW AG</td>
<td>Dr.-Ing. Klaus Draeger Member of the Board of Management</td>
</tr>
<tr>
<td>Robert Bosch GmbH</td>
<td>Dr. Siegfried Dais Deputy Chairman of the Board of Management</td>
</tr>
<tr>
<td>BP plc</td>
<td>Luc Bardin Group Chief Sales and Marketing Officer</td>
</tr>
<tr>
<td>Bridgestone Corporation</td>
<td>Masaaki Tsuya Chairman of the Board, President &amp; CEO</td>
</tr>
<tr>
<td>Calsonic Kansei Corporation</td>
<td>Shigeo Shingyoji Executive Vice President</td>
</tr>
<tr>
<td>China FAW Group Corporation</td>
<td>Xu Jianyi President</td>
</tr>
<tr>
<td>DAF Trucks N.V.</td>
<td>Harrie Schippers President</td>
</tr>
</tbody>
</table>

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Honorary Committee

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

Mitsubishi Motors Corporation
Mr. Gayu Uesugi
Executive Vice President

JTEKT Corporation
Shoji Ikawa
President

Mitsui Chemicals, Inc.
Toshikazu Tanaka
President & CEO

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

NAVTEQ
Larry Kaplan
CEO

Magna International Inc.
Donald J. Walker
Chief Executive Officer

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

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

Panasonic Corporation
Masahisa Shibata
Executive Officer, President
Automotive Systems Company

MANN+HUMMEL GMBH
Alfred Weber
President & Chief Executive Officer

Porsche AG
Wolfgang Hatz
Member of the Board of Management

Mazda Motor Corporation
Seita Kanai
Executive Vice President

Renault
Carlos Tavares
Chief Operating Officer

Mitsubishi Chemical Holdings Corporation
Dr. Yoshimitsu Kobayashi
President & CEO

Ricardo plc
Dave Shemmans
Chief Executive Officer

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### Member Societies

<table>
<thead>
<tr>
<th>Country</th>
<th>Society</th>
<th>Members</th>
<th>Tel</th>
<th>Email</th>
<th>Website</th>
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<tbody>
<tr>
<td>Argentina</td>
<td>AITA</td>
<td>50 members</td>
<td>+54-11 4382-7337</td>
<td><a href="mailto:info@aita.org.ar">info@aita.org.ar</a></td>
<td><a href="http://www.aita.org.ar">http://www.aita.org.ar</a></td>
</tr>
<tr>
<td>Australia</td>
<td>SAE-A</td>
<td>1,331 members</td>
<td>Tel: +61 3 9696-5190</td>
<td><a href="mailto:executive@sa-e.com.au">executive@sa-e.com.au</a></td>
<td><a href="http://www.sa-e.com.au">http://www.sa-e.com.au</a></td>
</tr>
<tr>
<td>Austria</td>
<td>ÖIAV</td>
<td>300 members</td>
<td>+43 1 587 6373 26</td>
<td><a href="mailto:office@oiaiv.at">office@oiaiv.at</a></td>
<td><a href="http://www.oiaiv.at">http://www.oiaiv.at</a></td>
</tr>
<tr>
<td></td>
<td>ÖVK</td>
<td>750 members</td>
<td>+43 1 585 27 410</td>
<td><a href="mailto:info@oevk.at">info@oevk.at</a></td>
<td><a href="http://www.oevk.at">http://www.oevk.at</a></td>
</tr>
<tr>
<td>Belarus</td>
<td>AAA</td>
<td>150 members</td>
<td>+375 17 293 93 05</td>
<td><a href="mailto:vgorbash@bntu.by">vgorbash@bntu.by</a></td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td>UBA</td>
<td>130 members</td>
<td>Tel: +32 (0) 9 264 3306</td>
<td><a href="mailto:sebastian.verhelst@ugent.be">sebastian.verhelst@ugent.be</a></td>
<td><a href="http://www.uba.be">http://www.uba.be</a></td>
</tr>
<tr>
<td>Brazil</td>
<td>AEA</td>
<td>154 members</td>
<td>Tel: +55 11 5579 9043</td>
<td><a href="mailto:info@aea.org.br">info@aea.org.br</a></td>
<td><a href="http://www.aea.org.br">http://www.aea.org.br</a></td>
</tr>
<tr>
<td>China</td>
<td>SAE-China</td>
<td>1,589 members</td>
<td>+86-10-63345599</td>
<td><a href="mailto:office@sae-china.org">office@sae-china.org</a></td>
<td><a href="http://www.sae-china.org">http://www.sae-china.org</a></td>
</tr>
<tr>
<td>Croatia</td>
<td>CroSEV</td>
<td>55 members</td>
<td>Tel: +385 9 6944 724</td>
<td><a href="mailto:medica@riteh.hr">medica@riteh.hr</a></td>
<td></td>
</tr>
<tr>
<td>Czech Republic</td>
<td>CAS</td>
<td>299 members</td>
<td>+420 224 352 498</td>
<td><a href="mailto:cas-sae@email.cz">cas-sae@email.cz</a></td>
<td><a href="http://www.cas-sae.cz">http://www.cas-sae.cz</a></td>
</tr>
<tr>
<td>Finland</td>
<td>SATL</td>
<td>517 members</td>
<td>Tel: +358 9 6944 724</td>
<td><a href="mailto:satl@sae.fi">satl@sae.fi</a></td>
<td><a href="http://www.sae.fi">http://www.sae.fi</a></td>
</tr>
<tr>
<td>France</td>
<td>SIA</td>
<td>1,500 members</td>
<td>Tel: +33 (0) 1 41 44 93 73</td>
<td><a href="mailto:info@sia.fr">info@sia.fr</a></td>
<td><a href="http://www.sia.fr">http://www.sia.fr</a></td>
</tr>
<tr>
<td>Germany</td>
<td>VDI &amp; FVT</td>
<td>25,900 members</td>
<td>Tel: +49 211 6214 223</td>
<td><a href="mailto:fvt@vdi.de">fvt@vdi.de</a></td>
<td><a href="http://www.vdi.de/fvt">http://www.vdi.de/fvt</a></td>
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<tr>
<td>Hungary</td>
<td>GTE - Vehicle Division</td>
<td>271 members</td>
<td>Tel: +36 1 202 0582/0656</td>
<td><a href="mailto:info@gteportal.eu">info@gteportal.eu</a></td>
<td><a href="http://www.gte.mtesz.hu">http://www.gte.mtesz.hu</a></td>
</tr>
<tr>
<td>India</td>
<td>SAEINDIA</td>
<td>40,043 members</td>
<td>Tel: +91-44-42152280</td>
<td><a href="mailto:info@saeindia.org">info@saeindia.org</a></td>
<td><a href="http://www.saeindia.org">http://www.saeindia.org</a></td>
</tr>
<tr>
<td>Indonesia</td>
<td>IATO (SAE) Indonesia</td>
<td>108 members</td>
<td>Tel: +62 21 461 0679</td>
<td><a href="mailto:info@iato-indonesia.com">info@iato-indonesia.com</a></td>
<td><a href="http://www.iato-indonesia.com">http://www.iato-indonesia.com</a></td>
</tr>
<tr>
<td>Iran</td>
<td>ISAE</td>
<td>56 members</td>
<td>Tel: +98 21 77491224-5</td>
<td><a href="mailto:kakaee_ah@iust.ac.ir">kakaee_ah@iust.ac.ir</a></td>
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</table>

FISITA’s members are the automotive engineering societies in 37 countries. Together we make up a community of almost 186,000 automotive engineers, working together to disseminate and share automotive technology.
<table>
<thead>
<tr>
<th>Country</th>
<th>Name</th>
<th>Membership</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Israel</td>
<td>ISME-AS</td>
<td>10 members</td>
<td>Tel: +972 3 527 5345 Email: <a href="mailto:yonatan@sae.org.il">yonatan@sae.org.il</a> <a href="http://www.isme.org.il">http://www.isme.org.il</a></td>
</tr>
<tr>
<td>Israel</td>
<td>Israel Society of Mechanical Engineers – Automotive Section</td>
<td></td>
<td>Tel: +972 3 527 5345 Email: <a href="mailto:yonatan@sae.org.il">yonatan@sae.org.il</a> <a href="http://www.isme.org.il">http://www.isme.org.il</a></td>
</tr>
<tr>
<td>Italy</td>
<td>ATA – Associazione Tecnica dell’Automobile</td>
<td>1,768 members</td>
<td>Tel: +39 011 9083 559 Email: <a href="mailto:ata@crf.it">ata@crf.it</a> <a href="http://www.ata.it">http://www.ata.it</a></td>
</tr>
<tr>
<td>Japan</td>
<td>Society of Automotive Engineers of Japan Inc</td>
<td>43,600 members</td>
<td>Tel: 81 3 3262 8211 Email: <a href="mailto:info@jsae.or.jp">info@jsae.or.jp</a> <a href="http://www.jsae.or.jp">http://www.jsae.or.jp</a></td>
</tr>
<tr>
<td>Korea</td>
<td>The Korean Society of Automotive Engineers</td>
<td>3,017 members</td>
<td>Tel: +82 2 564 3971/2 Email: <a href="mailto:international@ksae.org">international@ksae.org</a> <a href="http://www.ksae.org">http://www.ksae.org</a></td>
</tr>
<tr>
<td>Latvia</td>
<td>Latvia Association of Automobile Engineers</td>
<td>90 members</td>
<td>Tel: 371 263 930 19 Email: <a href="mailto:krisjanis.markis@rigassatiksme.lv">krisjanis.markis@rigassatiksme.lv</a> <a href="http://www.laia.lv">http://www.laia.lv</a></td>
</tr>
<tr>
<td>Lithuania</td>
<td>Lithuanian Society of Automotive Engineers</td>
<td>310 members</td>
<td>Tel: +370 5 2744792 Email: <a href="mailto:saugirdas.pukalskas@ti.vtu.lt">saugirdas.pukalskas@ti.vtu.lt</a> <a href="http://www.lais.lt">http://www.lais.lt</a></td>
</tr>
<tr>
<td>Poland</td>
<td>Stowarzyszenie Inzynierow i Technikow Mechanikow Polskich</td>
<td>358 members</td>
<td>Tel: +48 22 846 0011 Email: <a href="mailto:ajank@ilot.edu.pl">ajank@ilot.edu.pl</a> <a href="http://www.ptim.simp.pl">http://www.ptim.simp.pl</a></td>
</tr>
<tr>
<td>Romania</td>
<td>Societatea Inginerilor de Automobil din Romania</td>
<td>335 members</td>
<td>Tel: 40 21 316 9608 Email: <a href="mailto:siar@siar.ro">siar@siar.ro</a> <a href="http://www.siar.ro">http://www.siar.ro</a></td>
</tr>
<tr>
<td>Russia</td>
<td>Association of Automotive Engineers – Russia</td>
<td>350 members</td>
<td>Tel: +7 495 994 9915 Email: <a href="mailto:a.gusarov@bk.ru">a.gusarov@bk.ru</a> <a href="http://www.autoengineer.org">http://www.autoengineer.org</a></td>
</tr>
<tr>
<td>Serbia</td>
<td>Jugoslovensko Drustvo za motore i vozila</td>
<td>200 members</td>
<td>Tel: +381 11 3370 358 Email: <a href="mailto:eduboka@mas.bg.ac.rs">eduboka@mas.bg.ac.rs</a> <a href="http://jumv.org.rs">http://jumv.org.rs</a></td>
</tr>
<tr>
<td>Slovak Republic</td>
<td>Spolok Automobilovych Inzinierov a Technikov Slovenska</td>
<td>160 members</td>
<td>Tel: +421 2 5729 6306 Email: <a href="mailto:saits@saits.bts.sk">saits@saits.bts.sk</a> <a href="http://www.saits.bts.sk">http://www.saits.bts.sk</a></td>
</tr>
<tr>
<td>Slovenia</td>
<td>AMETS-AG</td>
<td>298 members</td>
<td>Tel: +386 14 771 504 Email: <a href="mailto:jemej.klemenec@ifs.uni-lj.si">jemej.klemenec@ifs.uni-lj.si</a> <a href="http://www.zveza-zsis.si">http://www.zveza-zsis.si</a></td>
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<tr>
<td>Spain</td>
<td>STA – Sociedad de Técnicos de Automoción</td>
<td>681 members</td>
<td>Tel: +34 93 233 24 47 Email: <a href="mailto:sta@stauto.org">sta@stauto.org</a> <a href="http://www.stauto.org">http://www.stauto.org</a></td>
</tr>
<tr>
<td>Sri Lanka</td>
<td>Institute of Automotive Engineers</td>
<td>1,280 members</td>
<td>Tel: +94 1 269 7151 Email: <a href="mailto:priyanthadealwis3@gmail.com">priyanthadealwis3@gmail.com</a> <a href="http://www.iaesl.lk">http://www.iaesl.lk</a></td>
</tr>
<tr>
<td>Sweden</td>
<td>Swedish Vehicular Engineering Association</td>
<td>555 members</td>
<td>Tel: +46 31 169 985 Email: <a href="mailto:info@sveafordon.com">info@sveafordon.com</a> <a href="http://www.sveafordon.com">http://www.sveafordon.com</a></td>
</tr>
<tr>
<td>Switzerland</td>
<td>Society of Automotive Engineers, Switzerland</td>
<td>732 members</td>
<td>Tel: +41 44 632 2466 Email: <a href="mailto:onder@ehz.ch">onder@ehz.ch</a> <a href="http://www.sae-switzerland.ch">http://www.sae-switzerland.ch</a></td>
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<tr>
<td>Thailand</td>
<td>Society of Automotive Engineers of Thailand</td>
<td>292 members</td>
<td>Tel: +66 2 218 6636 Email: <a href="mailto:sae_thailand@yahoo.com">sae_thailand@yahoo.com</a> <a href="http://www.tsae.or.th">http://www.tsae.or.th</a></td>
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<tr>
<td>The Netherlands</td>
<td>Koninklijk Instituut van Ingenieurs</td>
<td>632 members</td>
<td>Tel: +31-63 433 3355 Email: <a href="mailto:jac.womans@safetoq.com">jac.womans@safetoq.com</a> <a href="http://www.kiviniria.nl/vt">http://www.kiviniria.nl/vt</a></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Institution of Mechanical Engineers – Automobile Division</td>
<td>7,379 members</td>
<td>Tel: +44 20 7973 1316 Email: <a href="mailto:l_mckenna@imeche.org">l_mckenna@imeche.org</a> <a href="http://www.imeche.org">http://www.imeche.org</a></td>
</tr>
<tr>
<td>United States of America</td>
<td>SAE International</td>
<td>49,967 members</td>
<td>Tel: +1 724 772 8516 Email: <a href="mailto:sae@sae.org">sae@sae.org</a> <a href="http://www.sae.org">http://www.sae.org</a></td>
</tr>
<tr>
<td>Vietnam</td>
<td>Vietnamese Society of Automotive Engineers</td>
<td>500 members</td>
<td>Tel: +84 4 574 4535 Email: <a href="mailto:thinh_vsae@hn.vnn.vn">thinh_vsae@hn.vnn.vn</a> <a href="http://www.vsae.org.vn">http://www.vsae.org.vn</a></td>
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