



FISITA 2018

WORLD AUTOMOTIVE CONGRESS

Disruptive Technologies for Affordable
and Sustainable Mobility

2 – 5 October, 2018

Chennai Trade Centre, Chennai, India

CALL FOR PAPERS

We are calling for papers on the technical topics that are in consonance with the theme of **FISITA 2018** - Disruptive Technologies for Affordable and Sustainable Mobility.

Topics for Papers

1. Powertrain & Emission

- Engine Technologies
- Fuel Economy
- Emission Control and After Treatment
- Combustion, Optimisation and Heat Recovery
- Simulation - Virtual Design and Testing
- Thermal Management
- Automatic Transmission
- Advanced Transmission Concepts
- Transmission / Actuation Control System

2. Fuels & Lubricants

- Engine Lubricant & Compatibility with After-treatment Devices
- Driveline Lubricants
- Fuel Economy by Automotive Lubricants
- Alternative Fuels and Propulsion Technology
- Hydrogen as a Fuel
- Third Generation Bio-Fuels
- Additives in Fuels & Lubrication

3. Noise & Vibration

- Powertrain NVH
- Intake & Exhaust Noise
- Tire Noise
- Incab & Passby Noise
- Measurement Techniques
- NVH Simulation and Analysis

4. Vehicle Dynamics

- Ride & Handling
- Vehicle Human Interface
- Suspension, Steering & Brakes
- Advanced Driver Assistant Systems
- Control Systems

5. Active and Passive Safety

- Structural Crashworthiness
- Biomechanics
- Alert Systems
- Occupant Safety
- Pedestrian Safety
- Safety Furniture
- Test Methods
- Accident Reconstruction

6. Electric & Hybrid Vehicles

- Battery Technology & Management System
- Range Extenders
- Smart Grid / EV Infrastructure
- Power Electronics & Electric Motor Drives
- Fuel Cells
- Hybrid Vehicles
- On-Board Diagnostics

7. Autonomous & Connected Vehicles

- Artificial Intelligence
- Autonomous Driving / Driverless Cars
- Voice and Motion Recognition
- V2V / V2I
- Vehicle Tracking and Monitoring
- Telematics

8. Manufacturing & Materials

- Manufacturing Technologies
- Advanced Materials
- Application of Non-metals
- Surface Engineering and Coating Technology
- Prototype Building
- Lightweight Materials
- Industrial Engineering

9. Vehicle Concepts

- Advanced Mobility Solutions
- Off Highway Engineering
- Combat Vehicles
- Two and Three Wheelers
- Human Behavior in Transportation
- Traffic Management / Mass Transportation
- Automotive Infotronics

10. Sustainability

- Standards and Regulations
- Frugal Engineering / Design for Environment
- Advanced Simulation - Virtual Design and Testing
- Testing and Measurement
- Inspection and Maintenance
- Globalization and Homologation
- End of Life Management / Recycling



Abstract Submissions Online

To submit Abstract, log on to **www.fisita-congress.com**
Abstract is limited to 700 words and should be an original contribution.

Guidelines

The paper should be in the Standard FISITA format (refer to www.fisita-congress.com)

Key Dates

Deadline for Abstract Submission	:	30 September, 2017
Abstract Acceptance Notification to Authors	:	9 February, 2018
Deadline to upload Draft Manuscripts	:	27 April, 2018
Deadline to upload Final Papers	:	30 July, 2018

Please refer to www.fisita-congress.com for Delegate Registration and for other information.

Technical Paper Submission

Submitted papers will be reviewed by the Scientific & Technical Committee (STC) of FISITA 2018. Authors should clearly identify the methodology used in their abstract and indicate the elements of the work undertaken. The STC reserves the right to assign accepted papers for oral presentation to the technical sessions. All accepted authors will be required to submit a full paper to be published in the Congress Proceedings which will receive an official ISBN code. All papers should be original works and not have been published elsewhere. 20 minutes will be allocated for each oral presentation, including discussion time.

Authors should observe the following requirements:

- 1 x A4 page, maximum 700 words including spaces
- The paper should preferably touch the theme of the conference.
- Font/Typeface: Arial, 10 point, single line spacing
- No figures preferred, but can be included if essential
- Abstracts should be submitted in PDF format
- Official language is English

The following headings should be included in the abstract:

- Paper Title
- Research and/or Engineering Questions/ Objective (maximum 100 words)
- Methodology (maximum 150 words)
- Results (maximum 150 words)
- Limitations of this study (maximum 100 words)
- What does the paper offer that is new in the field in comparison to other works of the author (maximum 100 words)
- Conclusion (maximum 100 words)



FISITA is the international network for automotive engineers, representing over 200,000 engineers in 37 countries, FISITA is a leading advocate for the education of young engineers, creating pathways for future talent through its established links with the industry. Established in 1948, FISITA provides a global platform for knowledge exchange between industry and academia. FISITA helps guide the future direction of the automotive engineering profession by contributing to the development of safe, sustainable and affordable mobility solutions.



SAEINDIA is a premier professional society that serves the Mobility Engineering Community engaged in the design, manufacturing and service of self propelled vehicles and systems that move in Land, Air, Space and Sea. It has a glorious track record of 2 decades in service to the Mobility Industry. It has 5000 professional members and 50000 student members.

SAEINDIA is an individual member driven society with an objective to serve all the stake holders in the mobility industry by providing opportunities to add value to its members on a continuous basis. SAEINDIA is working closely with Automotive Research Association of India (ARAI), Society of Indian Automobile Manufacturers (SIAM) and Automotive Component Manufacturers Association of India (ACMA) for spreading knowledge and technical information to a wider cross section of the community. It actively supports Indian Government initiatives like Skill Development Program and Digital Revolution.



SAE International is a global association of more than 128,000 engineers and related technical experts in the aerospace, automotive and commercial-vehicle industries. SAE International's core competencies are life-long learning and voluntary consensus standards development. SAE International's charitable arm is the SAE Foundation, which supports many programs, including A World In Motion and the Collegiate Design Series.



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