Tentative Program

5th International Conference and Exhibition on
Automobile Engineering
Paris, France June 21-22, 2018

Interactive Sessions
Keynote Lectures
Plenary Lectures
Workshops
Exhibitors
B2B Meetings

***For available speaker slots***

automobile@enggconferences.com
# 5th International Conference on Automobile Engineering

**June 21-22, 2018 Paris, France**

## Day 1

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### Morning Sessions

- **Coffee/Tea Break 10.45-11.00 (Networking)**
  - Vehicular Automation and Automatic Driving
  - Tire Science and Technology

### Lunch Break 12.40-13.30

### Evening Sessions

- **Coffee/Tea Break 15.30-15.45 (Networking)**
  - Automotive cyber Security
- **15.45-17.25**
  - Automotive Testing
  - Automotive Industry
  - Noise, vibration, and harshness (NVH) in Automobiles

## Day 2

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<td>Automotive Ergonomics</td>
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<td>Emerging Trends in Automotive Engineering</td>
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<td>Robotics and Automation</td>
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<td>Automotive vehicles and design technologies</td>
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### Awards & Closing Ceremony

**NOTE:** Program Schedule is subject to change with final allotment of the speaker slots.

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CONFERENCE HIGHLIGHTS

- Automotive Engine
- Automotive Vehicles and Design Technology
- Fuel Economy
- Alternate Energy Sources
- Automotive Electronics
- Vehicular Automation and Automatic Driving
- Tire Science and Technology
- Braking System
- Automotive Safety
- Automotive Cyber Security
- Automotive Testing
- Automotive Industry
- Noise, Vibration and Harshness (NVH) in Automobiles
- Automotive Ergonomics
- Automobile Pollution and Control Management
- Emerging Trends in Automotive Engineering
- Robotics and Automation

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Register online: http://automobile.conferenceseries.com/registration.php
Glimpses of Automobile Conference
Plan your Trip to Paris
Scientific Program

3rd International Conference and Exhibition on
AUTOMOBILE ENGINEERING
September 28-29, 2017   Berlin, Germany
### Day 1  September 28, 2017

#### Registrations

#### Meeting Room @ v. Kleist

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**Keynote Forum**

**Introduction**

**Title:** Hydration Status and Thermoregulatory Responses in Drivers During Competitive Racing  
Lara A Carlson, University of New England, USA

**Title:** Probabilistic threat assessment with environment description and rule-based multi-traffic prediction for automated driving  
Koungsu Yi, Seoul National University, South Korea

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<th>Group Photo</th>
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**Sessions:**  
Automotive Engine | Automotive Vehicles and Design Technology | Automotive Safety | Emerging Trends in Automotive Engineering | Automotive Industry | Braking System | Vehicular Automation and Automatic Driving

**Session Chair:** Benoit Boulet, McGill University, Canada  
**Session Co-chair:** Koungsu Yi, Seoul National University, South Korea

**Plenary Session**

**Title:** Automotive cyber security trends and the impact to forensic readiness  
Jana Dittmann, Otto von Guericke University of Magdeburg, Germany

**Title:** Development of multispeed ratio drivetrains for electric vehicles  
Benoit Boulet, McGill University, Canada

**Title:** Smart balancing systems: towards virtually ideal Li-ion battery packs  
Jorge Varela Barreras, University of Oxford, UK

**Title:** Car as Power Plant: SOFC-PEMFC integrated high efficiency transportation systems  
P.V. Aravind, Delft University of Technology, The Netherlands

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<th>Lunch Break</th>
<th>Networking and Refreshments Break</th>
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**Title:** Pixel-level image understanding for smart and autonomous vehicles  
Sinisa Segvic, University of Zagreb, Croatia

**Title:** Application of aero-acoustic CFD methods to predict wind noise levels over the side glass of motor vehicles  
Hakki Can Koman, Ford Otosan, Turkey

**Title:** Electro-mechanical direction sensor for vehicle guidance and control  
Khaled R Asfar, JUST University, Jordan

**Title:** The usage of Artificial Intelligence methods in solving vehicle routing problem for best transportation and distribution solutions  
Mazin Abed Mohammed, Universiti Teknikal Malaysia Melaka, Malaysia

**Video Presentation**

**Title:** Effects of Various Parameters of Micro-Geometry on Performance Characteristics of Gears  
Sunil Pathak, Universiti Malaysia Pahang, Malaysia

**Panel Discussion**

**Day 2  September 29, 2017**

#### Meeting Room @ v. Kleist

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**Keynote Forum**
Title: Transformation of pneumatic tire towards modular airless wheel system  
Sivarao Subramonian, Universiti Teknikal Malaysia Melaka (UTeM), Malaysia

Title: Cyber investigations: digital forensics & automobile electronics II  
Gareth Davies, University of South Wales, UK

Networking and Refreshments Break

Sessions: Fuel Economy | Alternate Energy Sources | Automotive Electronics | Tire Science and Technology | Automotive Cyber Security | Automotive Ergonomics | Noise, Vibration and Harshness (NVH) in Automobiles

Session Chair: Gareth Davies, University of South Wales, UK  
Session Co-Chair: Sivarao Subramonian, Universiti Teknikal Malaysia Melaka (UTeM), Malaysia

Plenary Session

Title: Next steps towards clean heavy-duty transport: new tools and methodologies are needed  
Andreea Balau, TNO, Netherlands

Title: Applying blockchain technology to sharing economy models such as car sharing and mobility  
Philipp Sandner, Frankfurt School Blockchain Center, Germany

Title: Fuel-cell plug-in hybrids and the thermal hydrogen economy  
Jared Moore, Meridian Energy Policy, USA

Title: Value engineering activity  
Yasunori Ota, Value Engineering Trainer, Japan

Lunch Break

Poster Presentation

Title: Dynamic stiffness improvement of an automotive body by using response surface method  
Milad Abbasi, South Pars Gas Company, Iran

Title: An evaluation of aluminium-composite combined geometry tubular structures for automotive frontal crash safety applications  
Praveen Kumar, SSN College of Engineering, India

Networking and Refreshments Break

Panel Discussion

Awards & Closing Ceremony

Bookmark your dates

5th International Conference and Exhibition on

Automobile Engineering

June 21-22, 2018  Paris, France

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Website: automobile.conferenceseries.com
Scientific Program

2nd International Conference and Exhibition on

Automobile Engineering

December 01-02, 2016 Valencia, Spain
### Day 1  December 01, 2016

**Registrations**

**Melia Meeting 1+2**

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**Keynote Forum**

**Title:** SPECTRA 2.3-Carbon nano fiber additives to improve battery performance for electric vehicle recharge infrastructure  
*Francisco Trinidad,* Exide Technologies, Spain

**Networking and Refreshment Break**

**Title:** Six Theta(r) Design – Early-Stage Design Methodology for Achieving Predictable Product Performance  
*Janus Juul Rasmussen,* CEO and Founder of Valcon Design A/S, Denmark

**Title:** Cyber Forensics & Automobile Electronics  
*Gareth Dafydd Owen Davies,* University of South Wales, UK

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**Panel Discussion**

**Group Photo @**

**Lunch Break @ Restaurant Aqua**

**Sessions:** Automotive Design & Vehicle Electronics | Automotive Manufacturing | Automotive Safety | Electric and Hybrid Vehicles

**Session Chair:** Francisco Trinidad, Exide Technologies, Spain  
**Session Co-chair:** Derya Haroglu, Erciyes University, Turkey

**Title:** Realistic energy management strategy on parallel hybrid electric vehicles  
*Dohee Kim,* Hyundai Motor Company, Korea

**Title:** Prioritizing sensor performance characteristics for automotive seat weight sensors in quality function deployment (QFD)  
*Derya Haroglu,* Erciyes University, Turkey

**Title:** Variable caster steering in vehicle dynamics  
*Dai Vo Quoc,* RMIT University, Australia

**Title:** The criteria and methodology for evaluation the quality of Magnetic Impelled Arc But Welding joints in automotive industry  
*Marcin Korzeniowski,* Wroclaw University of Science and Technology, Poland

**Networking and Refreshment Break 16:00-16:20 @ Foyer Business Center**

**Title:** Evaluation of possibility of a family car conversion into electric basing on traction characteristics  
*Pawel Adamski,* Technical University of Lodz, Poland

**Title:** Benchmarking VE and drawing VEs  
*Yasunori Ota,* Value Engineering Trainer, Japan

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**Video Presentation**

**Title:** Influence of operating factors on modal characteristics of a rolling truck tyre  
*Subhash Rakheja,* Concordia University, Canada

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**Panel Discussion**

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**Day 2  December 02, 2016**

**Melia Meeting 1+2**
Keynote Forum

Title: Hydroxy Gas (HHO) Addition to Fossil Fuels for Improved Performance and Lower Emissions
Kadir Aydin, Çukurova University, Turkey

Networking and Refreshment Break

Special Keynote Session & Workshop

Title: Layer Protection of Oil Additives, Lubrication-Friction-Wear within Surface Coatings of Piston Rings against Cylinder Liner in Internal Combustion Engines
Hakan Kaleli, Yildiz Technical University, Turkey

Lunch Break @ Restaurant Aqua

Panel Discussion

Sessions: IC Engine & Automotive Transmission | Fuel Economy | Alternate Energy Sources | Automation in Driving | Pollution by Automobiles | Automotive Industry
Session Chair: Kadir Aydin, Çukurova University, Turkey
Session Chair: Hakan Kaleli, Yildiz Technical University, Turkey

Title: Effect of cooling gallery on the piston temperature in a gasoline direction injection engine
Sangwook Han, Korea Automotive Technology Institute, Korea

Title: Structural transfer path analysis using normal frequency response functions
Akin Oktav, Bogazici University, Turkey

Title: Financial aspects of Czech automobile industry development
Jana Vychovitlova, Tomas Bata University in Zlin, Czech Republic

Frank Amon, S. Mensah Auto Mechanic PTY LTD, South Africa

Networking and Refreshment Break @ Foyer Business Center

Poster Presentations @

Poster Judge: Janus Juul Rasmussen, CEO and Founder of Valcon Design A/S, Denmark
Poster Judge: Hakan Kaleli, Yildiz Technical University, Turkey

Panel Discussion

Award & Closing Ceremony

Bookmark your dates

3rd International Conference and Exhibition on Automobile Engineering

September 28-29, 2017 Berlin, Germany

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website: automobile.conferenceseries.com
Scientific Program

Day 1    September 01, 2015

Registrations

Hall Meliá Meeting 6

Opening Ceremony

Keynote Forum

Introduction

Title: More Than Just Turning Left: Physiological Responses of Motorsports Drivers
Lara Carlson, University of New England, USA

Session Chairs: Lara Carlson, University of New England, USA
Session Co-Chairs: Kadir Aydin, Çukurova University, Turkey

Track 1: Vehicle Design and In-Vehicle Electronics
Track 3: Fuel Economy and Emissions
Track 4: Manufacturing Technologies and Testing
Track 5: Digital techniques in Automotive Manufacturing Process
Track 6: Advanced Safety Technologies
Track 8: Automotive Human Factors and Ergonomics

Networking & Refreshment Break @ Foyer

Group Photo & Lunch Break @ Aqua Restaurant

Scientific Program

Introduction

Title: Development of stamping technology in automotive and production speed calculations
Kadir Genc, Valeo Automotive Systems Industry, Turkey

Title: Innovation for Future Mobility Concepts: An Automatic Damage Identification System
Sergei Gontcharov, Universität Bremen, Germany

Title: Evaluation of the dissipated energy by the automobile dampers
Veronel George Jacota, Universitatea Politehnica din Bucuresti, Romania

Title: Finite Element Analysis of Electric Bike Rims Coupled with Hub Motor
Erinç Uludamar, Çukurova University, Turkey

Title: Evaluation of the causes of increasing the pressure drop of fixed bed reactor in RCD unit
Ali Shaeri, NIIOC, Iran

Title: Comparison of Immersive and Non-Immersive Driving Task Environments
Diana Reich, Technische Universität Berlin, Germany

Title: Israeli and American traffic signs-similarities, differences and compliance with ergonomic principles of signs design
Tamar Ben-Bassat, Sami Shamoon College of Engineering, Israel

Title: Crash behavior of telescopic crash box with aluminum foam
Ahmet Serdar Önal, Beyçelik Gestamp, Turkey

Title: Accidents involving pedestrians walking along with/against traffic: An evaluation of crash characteristics and injuries
Chih-Wei Pai, Taipei Medical University, Taiwan

Title: Measuring User Experience during a driving simulation with MINARGUS
Maik Auricht, Technische Universität Berlin, Germany

Networking & Refreshment Break @ Foyer

Young Researchers Forum

Title: Dynamic Simulation of Automobile Crankshaft
Ihsan Uluocak, Çukurova University, Turkey
Panel Discussion

Day 2  September 02, 2015

Hall Meliá Meeting 6

Keynote Forum

Introduction

Title: Improvement of the Heat and Sound Insulation of a Bus for Compliance with American Regulations
Kadir Aydin, Çukurova University, Turkey

Networking & Refreshment Break @ Foyer

Track 2: Engine and Transmission Technologies
Track 3: Fuel Economy and Emissions
Track 6: Advanced Safety Technologies
Track 9: Noise Vibration and Harshness (NVH) Engineering
Track 11: Hybrid Plug-in Hybrid and Electric Vehicles

Session chair: Kadir Aydin, Çukurova University, Turkey
Session chair: Lara Carlson, University of New England, USA

Session Introduction

Title: Thermal Management in Electric and Hybrid Vehicles
Gregor Gregorčič, qpunkt GmbH, Austria
Title: Development of a new powertrain concept based on the integration of electric generation, energy recovery and storage
Estefanía Hervás Blasco, Universitat Politècnica de València, Spain
Title: Simulation the Continuous Catalytic Reforming (Octanizer) Unit of Arak Refinery Gasoline Production Complex with PETROSIM Software
Ali Shaeri, NIOEC, Iran
Title: Development of the KIIRA EV SMACK Supervisory Control Firmware
Pauline Korukundo, KIIRA Motors, Uganda
Title: Noise and separation reduction by the dimpled surfaces
Vladimir Voskoboinick, National Academy of Sciences of Ukraine, Ukraine

Lunch Break @ Aqua Restaurant

Young Researchers Forum

Title: Model of a new powertrain concept based on the integration of electric generation, energy recovery and storage
Estefanía Hervás Blasco, Universitat Politècnica de València, Spain
Title: A Comparative Study on Power Characteristics and Mode Control Algorithm for Plug-in Hybrid Electric Vehicles
Sunyoung Park, Sungkyunkwan University, Korea
Title: Vibration Analysis of a Diesel Engine Fuelled With Sunflower and Canola Biodiesels
Erinç Uludamar, Çukurova University, Turkey
Title: Development of a Mode Shift Control Algorithm for a Dual Mode Power Split Type Hybrid Electric Vehicle with On/Off Type Clutch and Brake
Sungwha Hong, Sungkyunkwan University, Korea

Panel Discussion

Networking & Refreshment Break @ Foyer

**Poster Session @ Foyer**

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Award Ceremony

**Bookmark your dates**

2nd International Conference and Exhibition on Automobile Engineering

July 11-12, 2016 Köln, Germany

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