# Tentative Program

5th International Conference and Exhibition on

# Automobile Engineering

Rome, Italy September 20-21, 2018



Interactive Sessions

Keynote Lectures

Plenary Lectures

Workshops

Exhibitors

B2B Meetings

## ***For available speaker slots***

https://automobile.conferenceseries.com/europe/

## 5th International Conference and Exhibition on

# Automobile Engineering

## Rome, Italy September 20-21, 2018

**Program at A Glance**

**Day 1**

| | | | |
|---|---|---|---|
| Morning Sessions | Reception/Registration | 08.00-09.00 | |
| | | Time | General Session |
| | Keynote/Plenary Talks | 09.00-09.15 | Inaugural Address |
| | | 09.15-09.45 | Keynote/Plenary Talk 1 |
| | | 09.45-10.15 | Keynote/Plenary Talk 2 |
| | | 10.15-10.45 | Keynote/Plenary Talk 3 |
| | Panel Discussions/Group Photo | | |
| | Coffee/Tea Break 10.45-11.00 (Networking) | | |
| | 11.00-12.40 | | Vehicular Automation and Automatic Driving |
| | | | Tire Science and Technology |
| | Lunch Break 12.40-13.30 | | |
| Evening Sessions | 13.30-15.30 | | Braking System |
| | | | Automotive Safety |
| | Coffee/Tea Break 15.30-15.45 (Networking) | | |
| | 15.45-17.25 | | Automotive cyber Security |
| | | | Automotive Testing |
| | | | Automotive Industry |
| | | | Noise, vibration, and harshness (NVH) in Automobiles |

**Day 2**

| | | | | |
|---|---|---|---|---|
| Morning Sessions | | Time | Session 1 | Session 2 |
| | Least of 3 Keynote/Plenary Talks | 09.15-09.45 | Keynote/Plenary Talk 1 | |
| | | 09.45-10.15 | Keynote/Plenary Talk 2 | |
| | | 10.15-10.45 | Keynote/Plenary Talk 3 | |
| | 10.55-12.35 | | Automotive Ergonomics | le Pollution and Control Ma |
| | | | Emerging Trends in Automotive Engineering | |
| | Lunch Break 12.35-13.25 | | | |
| Evening Sessions | 13.25-15.05 | | Robotics and Automation | Automotive Engine |
| | | | Automotive vehicles and design technologies | Fuel Economy |
| | Coffee/Tea Break 15.05-15.20 (Networking) | | | |
| | 15.20-18.00 | | Alternate Energy Sources | Automotive Electronics |
| | | | Video presentations | |
| | | | Young Research Forum | Poster Session |
| | Awards & Closing Ceremony | | | |

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

**For more Details, visit: https://automobile.conferenceseries.com/europe/**

**automobile@enggconferences.com | automobile@enggconferences.com**

# 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

For detailed sessions, please visit: **https://automobile.conferenceseries.com/europe/**
Submit you're abstract online at: **https://automobile.conferenceseries.com/europe/abstract-submission.php**
Register online: **https://automobile.conferenceseries.com/europe/registration.php**



# Glimpses of Automobile Conference

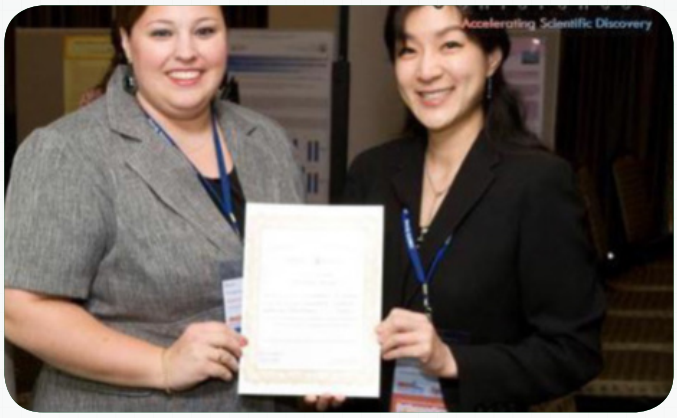

















# Plan your Trip to Rome





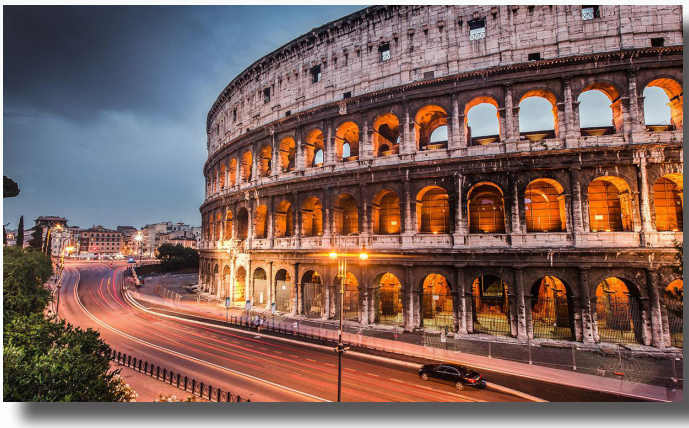












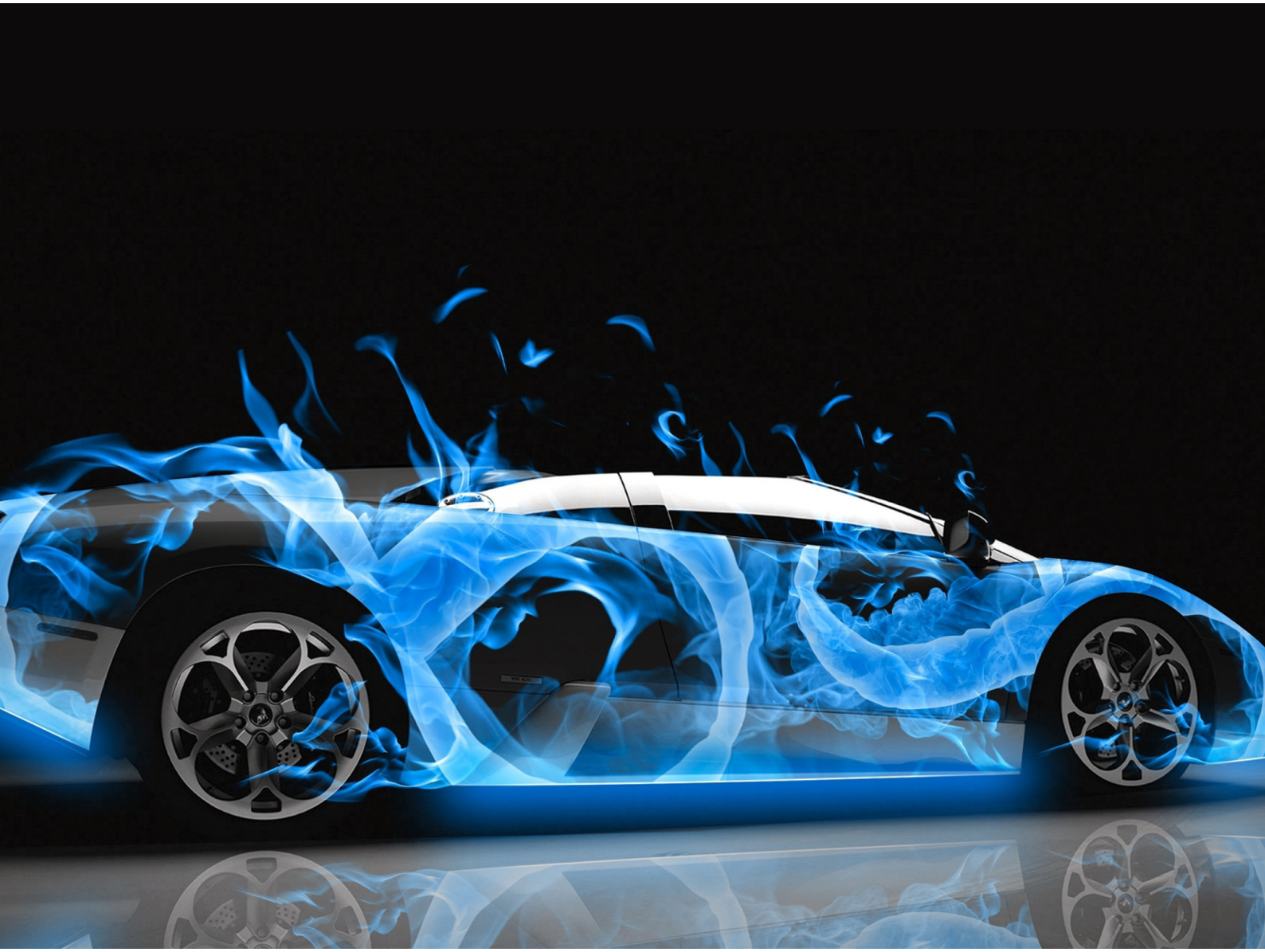
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1250th Conference

*Scientific Program*

3rd International Conference and Exhibition on

# AUTOMOBILE ENGINEERING

September 28-29, 2017 Berlin, Germany



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**Conference Series - UK**
Kemp House, 152 City Road, London EC1V 2NX, UK
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## Day 1 September 28, 2017

Registrations

Meeting Room @ v. Kleist

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# Opening Ceremony

## 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

**Group Photo**

**Networking and Refreshments Break**

**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

**Session Introduction**

**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

**Lunch Break**

**Title: Pixel-level image understanding for smart and autonomous vehicles**

Siniša Šegvić, 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

**Networking and Refreshments Break**

**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

## Keynote Forum

**Introduction**

**Title: Transformation of pneumatic tire towards modular airless wheel system**

**Sivarao Subramonian, Universiti Teknikal Malaysia Melaka (UTeM), Malaysia**

**Title: Cyber investiagtions: 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

**Session Introduction**

**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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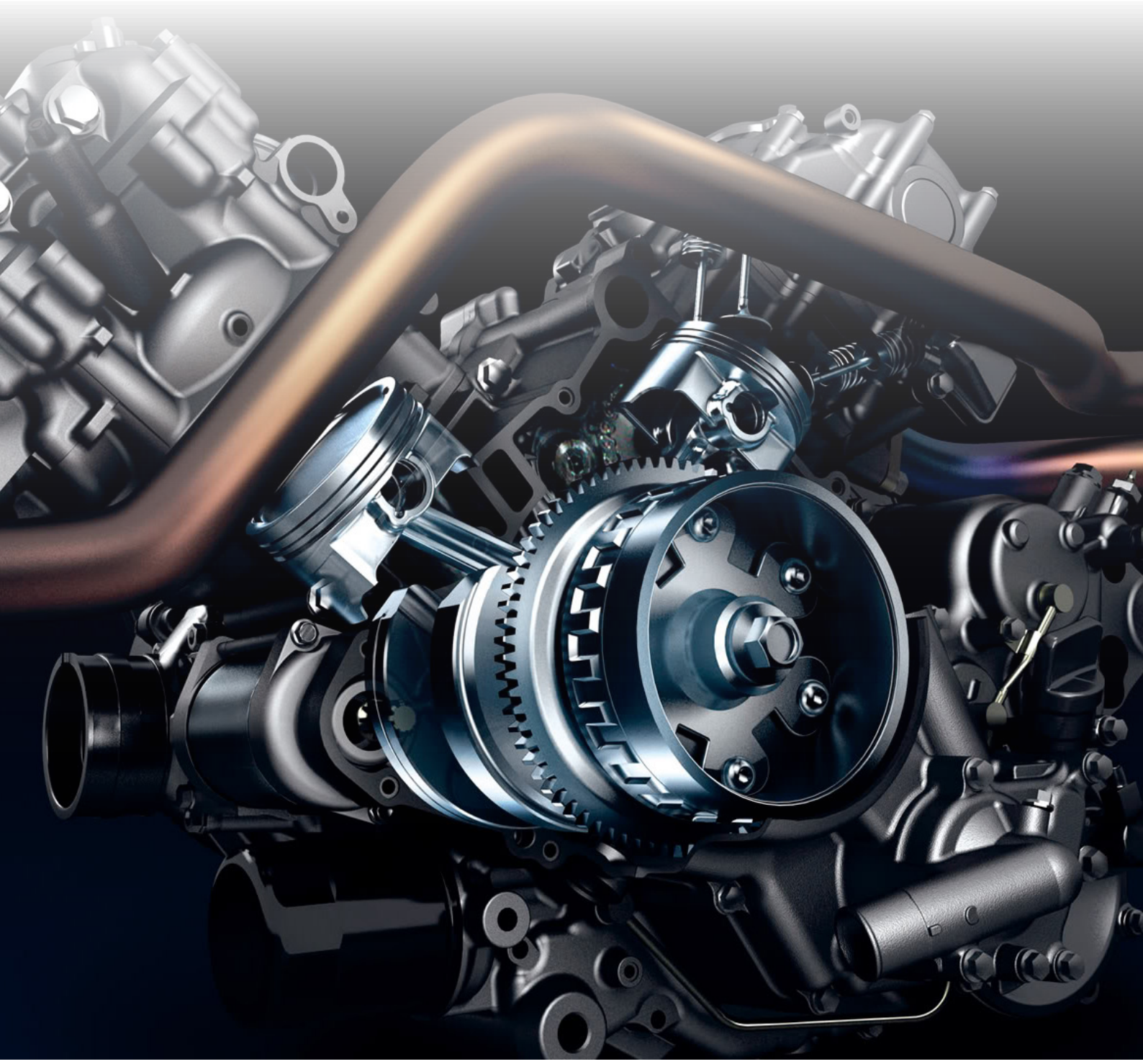
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# Scientific Program

2nd International Conference and Exhibition on

# Automobile Engineering

December 01-02, 2016 Valencia, Spain




**Hosting Organization:** Conference Series LLC

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## Day 1 December 01, 2016

**Registrations**

### Melia Meeting 1+2

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# Opening Ceremony

## 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 tBreak**

**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

**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

**Session Introduction**

**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

**Video Presentation**

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

**Panel Discussion**

## 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,** Yıldız 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,** Yıldız 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 Vychytilova,** 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 @**

**Poser Judge: Janus Juul Rasmussen,** CEO and Founder of Valcon Design A/S, Denmark
**Poser Judge: Hakan Kaleli,** Yıldız 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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## Scientific Program

International Conference and Exhibition on

# Automobile Engineering

September 01-02, 2015 Valencia, Spain



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**Day 1** **September 01, 2015**

**Registrations**

**Hall Meliá Meeting 6**

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# Opening Ceremony

## Keynote Forum

### Introduction

**Title: More Than Just Turning Left: Physiological Responses of Motorsports Drivers**

**Lara Carlson**, University of New England, USA

Networking & Refreshment Break @ Foyer

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

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

Session 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 Gontscharov**, 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**, NIOEC, Iran

Group Photo & Lunch Break @ Aqua Restaurant

**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

**Title: Numerical Study on Active Flow Control using Synthetic Jet Actuators over a NACA 4421 Airfoil**
**Xavier Guerrero-Pich**, Polytechnical University of Catalonia, Spain
**Title: Effects of SCR System on NOx Reduction in Heavy Duty Diesel Engine Fuelled with Diesel and Alcohol Blends**
**Ceyla Özgür**, Çukurova University, Turkey
**Title: Evaluation of properties for Hybrid Al-SiC-Carbon Fiber Reinforced Metal Matrix Composite for Brake Pads**
**Abhik Rathod**, VIT University, India
**Title: GRNN and MFFNN Models for Energy Equivalent Speed Prediction and Fault Rate Determination of Involvements in Traffic Accidents: A case study in Turkey**
**Ali Can Yilmaz**, 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**<br>**Sungwha Hong,** Sungkyunkwan University, Korea | |
| Panel Discussion | |
| Networking & Refreshment Break @ Foyer | |
| **Poster Session @ Foyer** | |
| **AUT-01** | **Fail-Safe Control for One Brake-by-Wire Actuator Failure Case using Brake Safety Evaluation Index and Response Surface Method** |
| | **Kwangki Jeon,** KATECH, Korea |
| **AUT-02** | **The Development of Dynamic Model and Power Assist Control Logic of Hybrid EPS for Heavy-Duty Vehicles** |
| | **Ji in Park,** KATECH, Korea |
| Award Ceremony | |


**Bookmark your dates**

2nd International Conference and Exhibition on

# Automobile Engineering

July 11-12, 2016 Köln, Germany

Website: http://automobile.conferenceseries.com/

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