Tentative Program

3rd International Conference and Automobile Engineering

Berlin, Germany  September 28-29, 2017

Interactive Sessions  Keynote Lectures  Plenary Lectures  Workshops  Exhibitors  B2B Meetings

***For available speaker slots***

automobile@enggconferences.com
# Automobile Engineering

**September 28-29, 2017 Berlin, Germany**

### Program at A Glance

#### Day 1

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<td>Automotive Cyber Security</td>
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<td>Automotive Industry</td>
<td>Automobile Pollution and Control Management</td>
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<td><strong>Coffee/Tea Break 15.05-15.20 (Networking)</strong></td>
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<td>15.20-18.00</td>
<td>Automotive Safety</td>
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### Awards & Closing Ceremony

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

For more Details PS: [http://automobile.conferenceseries.com/](http://automobile.conferenceseries.com/)

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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

For detailed sessions, please visit: http://automobile.conferenceseries.com/
Submit your abstract online at: http://automobile.conferenceseries.com/abstract-submission.php
Register online: http://automobile.conferenceseries.com/registration.php
Glimpses of Automobile Conference
Plan your Trip to Berlin
Scientific Program

International Conference and Exhibition on
Automobile Engineering

September 01-02, 2015   Valencia, Spain
### Keynote Forum

**Introduction**

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

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**Session Introduction**

- **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

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**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,** Beycelik 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

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**Session Introduction**

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

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**Networking & Refreshment Break @ Foyer**
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 Yılmaz, 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 Aydın, 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 Aydın, 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

Estefanía Hervás Blasco, Universitat Politècnica de València, Spain

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, NIOC, 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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<th>AUT-01</th>
<th>Fail-Safe Control for One Brake-by-Wire Actuator Failure Case using Brake Safety Evaluation Index and Response Surface Method</th>
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<td>Kwangki Jeon, KATECH, Korea</td>
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<th>AUT-02</th>
<th>The Development of Dynamic Model and Power Assist Control Logic of Hybrid EPS for Heavy-Duty Vehicles</th>
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Award Ceremony

Bookmark your dates

2nd International Conference and Exhibition on Automobile Engineering

July 11-12, 2016 Köln, Germany

Website: http://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

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 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

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

Navigation 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, 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 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,** Yildiz Technical University, Turkey

### Panel Discussion

### Award & Closing Ceremony

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### Bookmark your dates

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**September 28-29, 2017 Berlin, Germany**  
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