

conferenceseries.com
1250th Conference

Scientific Program

3rd International Conference and Exhibition on

AUTOMOBILE ENGINEERING

September 28-29, 2017 Berlin, Germany



Conference Series - America

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA
Toll Free: 1-888-843-8169, P: 702-508-5200, F: +1-650-618-1417

Conference Series - UK

Kemp House, 152 City Road, London EC1V 2NX, UK
Toll Free: +0-800-014-8923

Meeting Room @ v. Kleist

conference**series**.com 09:45-10:00

Opening Ceremony

Keynote Forum

Introduction

10:00-10:40 **Title: Hydration Status and Thermoregulatory Responses in Drivers During Competitive Racing**

Lara A Carlson, University of New England, USA

10:40-11:20 **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 @ 11:20-11:25

Networking and Refreshments Break 11:25-11:40 @ Foyer

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

11:40-12:15 **Title: Automotive cyber security trends and the impact to forensic readiness**
Jana Dittmann, Otto von Guericke University of Magdeburg, Germany

12:15-12:50 **Title: Development of multispeed ratio drivetrains for electric vehicles**
Benoit Boulet, McGill University, Canada

12:50-13:25 **Title: Smart balancing systems: towards virtually ideal Li-ion battery packs**
Jorge Varela Barreras , University of Oxford, UK

13:25-14:00 **Title: Car as Power Plant: SOFC-PEMFC integrated high efficiency transportation systems**
P.V. Aravind, Delft University of Technology, The Netherlands

Lunch Break 14:00-14:40 @ Restaurant Theodor's

14:40-15:15 **Title: Pixel-level image understanding for smart and autonomous vehicles**
Siniša Šegvić, University of Zagreb, Croatia

15:15-15:50 **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

15:50-16:25 **Title: Electro-mechanical direction sensor for vehicle guidance and control**
Khaled R Asfar , JUST University, Jordan

Networking and Refreshments Break 16:25-16:40 @ Foyer

16:40-17:15 **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

17:15-17:40 **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

10:00-10:40
Title: Transformation of pneumatic tire towards modular airless wheel system
Sivarao Subramonian, Universiti Teknikal Malaysia Melaka (UTeM), Malaysia

10:40-11:20
Title: Cyber investigations: digital forensics & automobile electronics II
Gareth Davies, University of South Wales, UK

Networking and Refreshments Break 11:20-11:40 @ Foyer

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

11:40-12:15
Title: Next steps towards clean heavy-duty transport: new tools and methodologies are needed
Andreea Balau, TNO, Netherlands

12:15-12:50
Title: Applying blockchain technology to sharing economy models such as car sharing and mobility
Philipp Sandner, Frankfurt School Blockchain Center, Germany

12:50-13:25
Title: Fuel-cell plug-in hybrids and the thermal hydrogen economy
Jared Moore, Meridian Energy Policy, USA

13:25-14:00
Title: Value engineering activity
Yasunori Ota, Value Engineering Trainer, Japan

Lunch Break 14:00-14:40 @ Restaurant Theodor's

Poster Presentation 14:40-15:00 @ Foyer

15:00-15:35
Title: Dynamic stiffness improvement of an automotive body by using response surface method
Milad Abbasi, South Pars Gas Company, Iran

15:35-16:10
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 16:10-16:30 @ Foyer

Panel Discussion

Awards & Closing Ceremony

Bookmark your dates

5th International Conference and Exhibition on

Automobile Engineering

September 20-21, 2018 Rome, Italy

E-mail: automobile@enggconferences.com; automobile@annualconference.org

Website: automobile.conferenceseries.com/europe/