OMICS International
conferenceseries.com

Scientific Program

International Conference and Exhibition on

Automobile Engineering

September 01-02, 2015 Valencia, Spain



OMICS International Conferences
2360 Corporate Circle., Suite 400 Henderson, NV 89074-7722, USA
Phone: +1-888-843-8169, Fax: +1-650-618-1417, Toll free: +1-800-216-6499
Toll free: +1-800-216-6499, Email: **automobile@omicsgroup.com**

Scientific Program

Day 1 September 01, 2015

08:30–09:40 Registrations

Hall Meliá Meeting 6

09:40–10:10 Opening Ceremony

Keynote Forum

10:10-10:15 Introduction

10:15-10:50 More Than Just Turning Left: Physiological Responses of Motorsports Drivers
Lara Carlson, University of New England, USA

Networking & Refreshment Break 10:50-11:10 @ 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

11:10-11:30	**Development of stamping technology in automotive and production speed calculations** **Kadir Genc**, Valeo Automotive Systems Industry, Turkey
11:30-11:50	**Innovation for Future Mobility Concepts: An Automatic Damage Identification System** **Sergei Gontscharov**, Universität Bremen, Germany
11:50-12:10	**Evaluation of the dissipated energy by the automobile dampers** **Veronel George Jacota**, Universitatea Politehnica din Bucuresti, Romania
12:10-12:30	**Finite Element Analysis of Electric Bike Rims Coupled with Hub Motor** **Erinç Uludamar**, Çukurova University, Turkey
12:30-12:50	**Evaluation of the causes of increasing the pressure drop of fixed bed reactor in RCD unit** **Ali Shaeri**, NIOEC, Iran

Group Photo & Lunch Break 12:50-13:50 @ Aqua Restaurant

13:50-14:10	**Comparison of Immersive and Non-Immersive Driving Task Environments** **Diana Reich**, Technische Universität Berlin, Germany
14:10-14:30	**Israeli and American traffic signs-similarities, differences and compliance with ergonomic principles of signs design** **Tamar Ben-Bassat**, Sami Shamoon College of Engineering, Israel
14:30-14:50	**Crash behavior of telescopic crash box with aluminum foam** **Ahmet Serdar Önal**, Beyçelik Gestamp, Turkey
14:50-15:10	**Accidents involving pedestrians walking along with/against traffic: An evaluation of crash characteristics and injuries** **Chih-Wei Pai**, Taipei Medical University, Taiwan

15:10-15:30	**Measuring User Experience during a driving simulation with MINARGUS**
	Maik Auricht, Technische Universität Berlin, Germany
	Networking & Refreshment Break 15:30-15:50 @ Foyer
	Young Researchers Forum
15:50-16:10	**Dynamic Simulation of Automobile Crankshaft**
	Ihsan Uluocak, Çukurova University, Turkey
16:10-16:30	**Numerical Study on Active Flow Control using Synthetic Jet Actuators over a NACA 4421 Airfoil**
	Xavier Guerrero-Pich, Polytechnical University of Catalonia, Spain
16:30-16:50	**Effects of SCR System on NOx Reduction in Heavy Duty Diesel Engine Fuelled with Diesel and Alcohol Blends**
	Ceyla Özgür, Çukurova University, Turkey
16:50-17:10	**Evaluation of properties for Hybrid Al-SiC-Carbon Fiber Reinforced Metal Matrix Composite for Brake Pads**
	Abhik Rathod, VIT University, India
17:10-17:30	**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	
10:00-10:15	**Introduction**
10:15-10:50	**Improvement of the Heat and Sound Insulation of a Bus for Compliance with American Regulations** **Kadir Aydin,** Çukurova University, Turkey
	Networking & Refreshment Break 10:50-11:10 @ 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
11:10-11:30	**Thermal Management in Electric and Hybrid Vehicles**
	Gregor Gregorčič, qpunkt GmbH, Austria
11:30-11:50	**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
11:50-12:10	**Simulation the Continuous Catalytic Reforming (Octanizer) Unit of Arak Refinery Gasoline Production Complex with PETROSIM Software**
	Ali Shaeri, NIOEC, Iran

12:10-12:30	**Development of the KIIRA EV SMACK Supervisory Control Firmware**
	Pauline Korukundo, KIIRA Motors, Uganda
12:30-12:50	**Noise and separation reduction by the dimpled surfaces**
	Vladimir Voskoboinick, National Academy of Sciences of Ukraine, Ukraine
	Lunch Break 12:50-13:50 @ Aqua Restaurant
	Young Researchers Forum
13:50-14:10	**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
14:10-14:30	**A Comparative Study on Power Characteristics and Mode Control Algorithm for Plug-in Hybrid Electric Vehicles**
	Sunyoung Park, Sungkyunkwan University, Korea
14:30-14:50	**Vibration Analysis of a Diesel Engine Fuelled With Sunflower and Canola Biodiesels**
	Erinç Uludamar, Çukurova University, Turkey
14:50-15:10	**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 15:30-15:50 @ Foyer
15:50-16:50	**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/

OMICS Group Inc.
2360 Corporate Circle, Suite 400
Henderson, NV 89074-7722, USA
Ph: +1-888-843-8169
Fax: +1-650-618-1417
contact@omicsgroup.com

OMICS Publishing Group
5716 Corsa Ave., Suite 110, Westlake
Los Angeles, CA 91362-7354, USA
Ph: +1-650-268-9744
Fax: +1-650-618-1414
contact.americas@omicsonline.org

OMICS Group
SEZ Unit, Building No. 20, 9th Floor
APIIC Layout, HITEC City
Hyderabad-500081, Telangana, INDIA
Ph: 040-40131823, 040-47482222
contact.asiapacific@omicsonline.org

Toll free
USA & Canada: +1-800-216-6499
Australia: +1-800-651-097
Europe: 0805-080048