

Scientific Program

6th International Conference and Exhibition on
**Automobile &
Mechanical Engineering**
July 08-09, 2019 | Zurich, Switzerland

DAY-1

July 08, 2019

Meeting Hall: London II

09:00-09:30 Registrations

Opening Ceremony 09:30-09:50

KEYNOTE FORUM

09:50-10:00 Introduction

10:00-10:30 **Title: Applications of tailored electrolytes in different types of modern cells**
Marek Marcinek, Warsaw University of Technology, Poland

10:30-11:00 **Title: Nano tribology of nano particles added in engine oil and nano coatings of piston rings-cylinder liners in internal combustion engines**
Hakan Kaleli, Yıldız Technical University, Turkey

GROUP PHOTO (11:00 – 11:10)

Networking & Refreshments 11:10-11:25 @ Banquet Foyer

11:25-11:55 **Title: The role of dynamics and control in cutting vehicle CO₂ emissions**
Julian F Dunne, University of Sussex, UK

Sessions: Automotive Engine | Automotive Vehicles and design Technologies | Mechanical Engineering | Vehicular Automation and Automatic Driving | Computer-aided design& manufacturing CAD&CAM | Material Science | Mechanical Design and Manufacturing | Robotics & Automation

Chair: Hailong Zhang, Nanjing Normal University, China

INTRODUCTION

11:55-12:20 **Title: Structural parameters optimization of a tubular permanent magnet linear machine for regenerative suspension**
Hailong Zhang, Nanjing Normal University, China

12.20-12:45 **Title: Gas turbine jet engine (GTJE)**
Anatoliy Lokotto, Institute of Theoretical and Applied Mechanics-SB RAS, Russia

12:45-13:10 **Title: Design of isoctane fueled plug flow reactor for vehicles with SOFC**
Ergin KOSA, Beykent University, Turkey

Lunch Break 13:10-14:10 @ Banquet Foyer

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- 14:10-14:35** **Title: Supercomputer simulation of responsible automobile welded structures behavior**
Sergey Medvedev, The National Academy of Sciences of Belarus, Belarus
- 14:35-15:00** **Title: Development of a dynamic rolling stock model to predict the impact strength of derailment containment provisions**
Jeong Seo Koo, Seoul National University of Science and Technology, South Korea
- 15:00-15:25** **Title: Ensuring safety during operation of the first all-electric ferry**
Annie Kortsari, Hellenic Institute of Transport, Greece
- 15:25-15:50** **Title: One-shot® method and low-density bio-composite for automotive components**
Alfonso Molaro, Sapa SPA, Italy
- 15:50-16:15** **Title: Towards holistic scene understanding in autonomous driving**
Panagiotis Meletis, Eindhoven University of Technology, Netherlands

Networking & Refreshments 16:15-16:30 @ Banquet Foyer

Panel Discussion



DAY-2

July 09, 2018

POSTER PRESENTATIONS @ FOYER 11:30 – 12:30

Extended Networking Lunch 12:30-13:30 @ Banquet Foyer

Awards & Closing Ceremony

Bookmark your Dates

8th International Conference and Exhibition on

Automobile & Mechanical Engineering

May 18-19, 2020 | Berlin, Germany

E: automobile@brainstromingmeetings.com

Website: automobile.expertconferences.org