

# Scientific Program

## 5<sup>th</sup> International Conference and Exhibition on **Automobile and Mechanical Engineering**

September 20-21, 2018 | Rome, Italy

UK: Conference Series Ilc LTD  
47 Churchfield Road, London, W3 6AY  
Toll Free: +0-800-014-8923



# DAY-1

September 20, 2018

Meeting Hall: **Catullo**

09:00-9:30 Registrations

*Opening Ceremony* ..... **09:30-09:45**

## KEYNOTE FORUM

---

Introduction

09:45-10:30 **Title: A possible collision safer device for automobile vehicles**  
Hongjun Pan, Cosave Motors, United States

## GROUP PHOTO @ 10:30-10:45

**Networking & Refreshments 10:45-11:00 @ Foyer**

11:00-11:45 **Title: Decision and motion planning at intersection for urban automated driving**  
Koungsu Yi, Seoul National University, South Korea

**Sessions: Automotive vehicles and design technologies | Vehicular Automation and Automatic Driving | Emerging Trends in Automotive Engineering | Automotive Safety | Noise, vibration, and harshness (NVH) in Automobiles Computer-aided design & manufacturing CAD & CAM**

**Chair: Ahmad Gemeal**, Central Metallurgical Research and Development Institute, Egypt

**Co-Chair: Peter Guggi**, In Rebus Corporate Finance, Germany

## INTRODUCTION

---

11:45-12:10 **Title: The potential of autonomous driving technologies for low-cost city cars**  
Mario Hirz, Graz University of Technology, Austria

12:10-12:35 **Title: Fundamentals of vehicle attributes balancing on electric vehicles**  
Alexandre Nunes, NIO, China

12:35-13:00 **Title: Exhaust gas heat-driven steam ejector refrigeration for an automobile**  
Cüneyt Ezgi, Beykent University, Turkey

**Lunch Break 13:00-14:00 @ Restaurant**

14:00-14:25 **Title: New restraint concepts for occupant protection in automated vehicle**  
Jay Zhao, Joyson Safety Systems, North America

14:25-14:50 **Title: Luminant trim for vehicle window frame**  
Peter Gold, Inview Vehicle Trim Corporation, USA

14:50-15:15

**Title: E-BABE-modal finite element analysis of global body in white of the first saudi car GAZAL1**  
Ahmad Gemeal, Central Metallurgical Research and Development Institute, Egypt

**Networking & Refreshments 15:15-15:30 @ Foyer**

15:30-15:55

**Title: Changes in the automotive landscape – M&A impressions from Germany**  
Peter Guggi, In Rebus Corporate Finance, Germany

## POSTER PRESENTATIONS 15:55–16:20 @ MEETING ROOM

**Networking & Refreshments 16:20-17:00 @ Foyer**

## Panel Discussion

# DAY-2

**September 21, 2018**  
Meeting Hall: **Catullo**

## KEYNOTE FORUM

09:30-10:15

**Title: Smart CAN cable, another IPS for CANBUS network**  
Kiyotaka Atsumi, LAC Co., Ltd., Japan

10:15-11:00

**Title: The driver athlete: More than just turning left**  
Lara A. Carlson, University of New England, USA

**Networking & Refreshments 11:00-11:15 @ Foyer**

**Sessions: Emerging Trends in Automotive Engineering | Vehicular Automation and Automatic Driving | Automotive vehicles and design technologies | Automotive cyber Security | Automotive Safety | Computer-aided design & manufacturing CAD & CAM | Automotive Ergonomics**

**Chair: Ahmad Gemeal**, Central Metallurgical Research and Development Institute, Egypt

**Co-Chair: Najmeh Rezaei**, Queen Mary University of London, England

## INTRODUCTION

11:15-11:40

**Title: Multi-physics sensor fusion for power module prognostics in xEVs**  
Kamyar Mehran, Queen Mary University of London, England

11:40-12:05

**Title: Steering angle decision and control for lane keeping using LSTM neural networks**  
Jahng Hyon Park, Hanyang University, South Korea

12:05-12:30

**Title: Change of force between shafts and winding pitch radius of chain type continuously variable transmission at steady state**  
Shun Hattori, Doshisha University, Japan

**Lunch Break 12:30-13:30 @ Restaurant**

## WORKSHOP

---

13:30-15:00

**Title:** Platform thinking is the future of aftersales business in the automotive industry

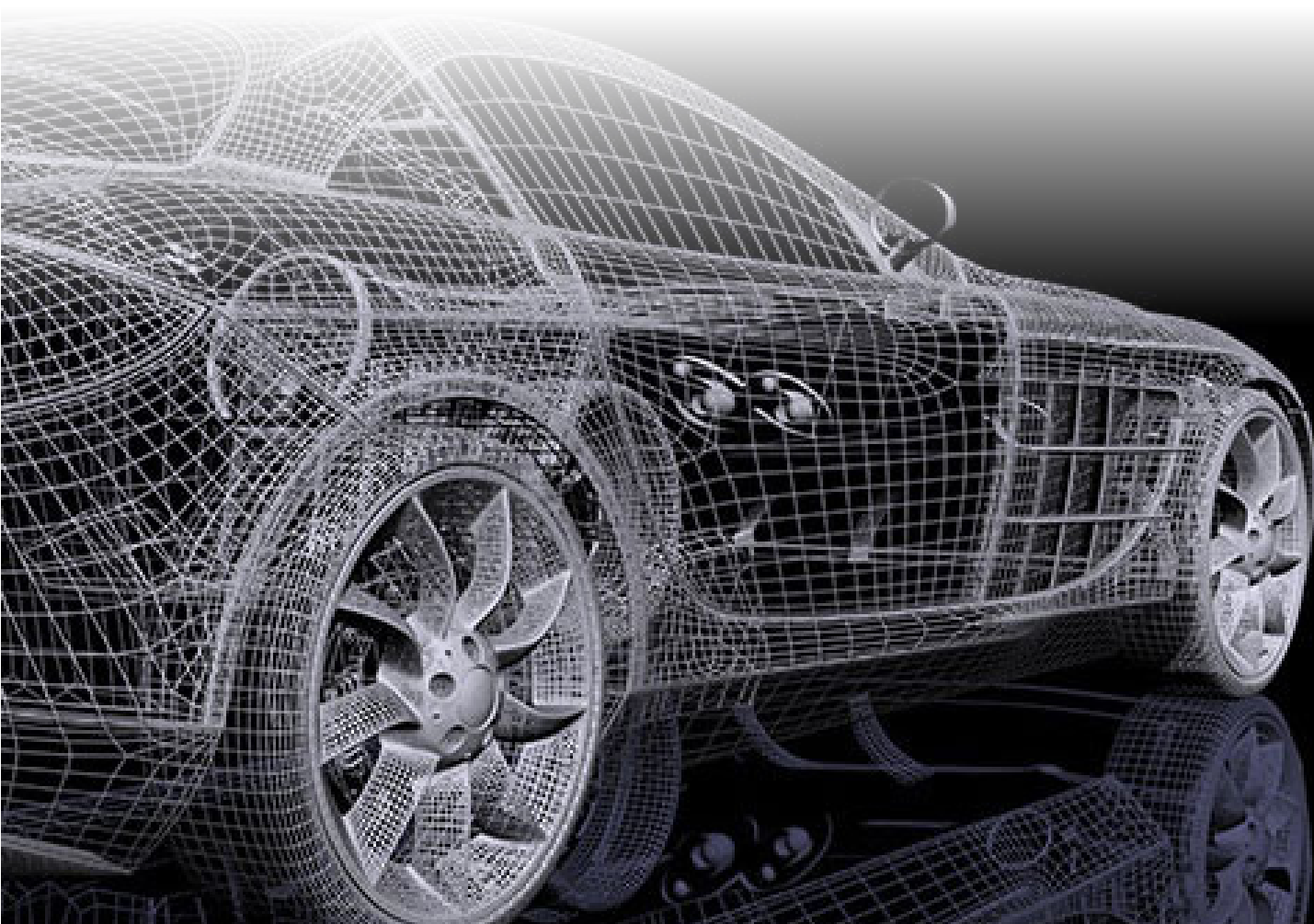
Joffrey Mabuma, Teamwille GmbH, Germany

Networking & Refreshments 15:00-15:15 @ Foyer

## PANEL DISCUSSION

---

### Awards & Closing Ceremony



## Bookmark your Dates

6<sup>th</sup> International Conference and Exhibition on

# Automobile & Mechanical Engineering

July 08-09, 2019 | Zurich, Switzerland

E: [automobile@enggconferences.com](mailto:automobile@enggconferences.com); [automobileeurope@engineeringspeakerexperts.org](mailto:automobileeurope@engineeringspeakerexperts.org)

Website: [automobile.conferenceseries.com/europe/](http://automobile.conferenceseries.com/europe/)