

THE 2ND INTERNATIONAL CONFERENCE ON AUTOMOTIVE INNOVATION AND GREEN ENERGY VEHICLE (AIGEV 2016)

Automotive Engineering research has been playing a vital role and has become indispensable for the growth of any nation. In this context, research activities are being carried out at the extremes and many problems are yet to be solved. Thus, the pursuit of automotive studies continue to remain the most exciting and challenging areas in furthering the frontiers of knowledge.

As expanding the future research in automotive area, AEC has been promoting and organizing the The 2nd International Conference On Automotive Innovation And Green Energy Vehicle (AiGEV 2016) was held in Malaysia Automotive Institute (MAI) Cyberjaya, Selangor on August 3 – 4, 2016. 1st International Conference On Automotive Innovation And Green Energy Vehicle (AiGEV 2014) was held in Swiss Garden Resort & Spa, Kuantan Pahang, Malaysia on August 26 - 27, 2014. AiGEV 2016 provides a venue for researchers and practitioners in related fields from academia, industry and government to meet in a forum where the latest research results are presented and prospect for future developments are discussed.

The conference was inaugurated by Chief Executive Officer of Malaysia Automotive Institute (MAI), Datuk Madani Sahari and attended by UMP Deputy Vice Chancellor (Academic & International), while the President of Malaysia Automotive Association (MAA) Datuk Aishah Ahmad, Vice Chancellor of DRB-HICOM University Of Automotive Malaysia (DHU), Professor Dr. Masjuki Haji Hassan (University Malaya) and Professor Dr. Abd Rashid Abd Aziz (Universiti Teknologi Petronas) were also there to deliver keynote speeches during the conference,

The AiGEV 2016 paper research included the topics above:

- Advanced Manufacturing in Automotive Industries
- Alternative Energy & Fuel
- Automotive Design
- Automotive Mechatronics
- Computational & Simulation Methods in Automotive Applications
- Fuel & Combustion
- Green Energy Technology
- Hybrid & Electric Vehicle
- Materials Characterisation
- Mathematical Modelling & Optimisation in Automotive Applications
- Noise, Vibration & Harshness
- Safety, Comfort & Ergonomics
- Signal Processing & Automotive Electronics
- Standards, Policies & Regulations
- Traffic & Transport
- Vehicle Dynamics & Control
- Other Related Topics in Automotive Engineering

All accepted papers of AiGEV 2016 will be published in one of the journal such as International Journal of Automotive & Mechanical Engineering (IJAME), Journal of Mechanical Engineering and Sciences (JMES) and MATEC Web Of Conference. This conference successfully attracted 115 local and international participants and also industries presenting their research paper works.

AEC hopes with the success of the first conference, many more conferences will be successfully organised in the future. The organizing committee of the conference thanks all the participants for their fruitful work and personal contribution to the development of these conference proceedings.

Associate Professor Dr. Abdul Adam Abdullah

Chairman of the AiGEV 2016

AiGEV2016 would like to thank the following reviewers for their technical knowledge and time in expertly reviewing the proceeding papers.

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