

## Editorial Preface

We would like to present, with great pleasure, the inaugural volume of a new scholarly journal, Journal of Advanced Vehicle System. This journal is a peer reviewed journal offers an open forum and research reports in the field of vehicle technology to promote the exchange of research ideas, knowledge and experiences, implementations and results.

Journal of Advanced Vehicle System focuses on original high-quality research and so to provide a platform for researchers, engineers, academicians as well as industrial professionals from all over the world to present their summary of current research in the gamut of fundamental and applied science. The mission of this journal is to publish original contributions in vehicle technology in order to stimulate further research and knowledge amongst its scholars.

Scope of the journal includes: vehicle propulsion, vehicle dynamics, vehicle ergonomics, vehicle safety, driving behavior, autonomous vehicle, vehicle design, vehicle manufacturing, human-machine interaction, advanced sub-system, aerodynamic, green technologies and many more.

It is our hope that this fine collection of research reports will be a valuable resource for Journal of Advanced Vehicle System readers and therefore sincerely invites the submission of technical manuscripts on all the areas of vehicle technology.

### **Editor-in-Chief**

Wira Jazair Yahya

Universiti Teknologi Malaysia, Malaysia

**Editorial Board****Editor-in-Chief**

Wira Jazair Yahya

Universiti Teknologi Malaysia, Malaysia

**Associate Editors**

Saiful Amri Mazlan

Advanced Vehicle System Laboratory, UTM, Malaysia

Hairi Zamzuri

UTM-Proton Active Safety Laboratory, Malaysia

Mohd Azizi Abdul Rahman

Advanced Robotic Laboratory, UTM, Malaysia

Ahmad Muhsin Ithnin

Malaysia – Japan International Institute of Technology (MJIIT)

Mohd Azman Zainul Abidin

DFRAN Research Technologies Sdn. Bhd

Mohd Fauzy Ahmad

DFRAN Research Technologies Sdn. Bhd

Nizam Hanis Md Ishak

DFRAN Research Technologies Sdn. Bhd

Hirofumi Noge

Maizuru National College of Technology, Japan

Tsuyoshi Koga

Yamaguchi University, Japan

Yoshiyuki Kidoguchi  
Tokushima University, Japan

Khairil Anwar Abu Kasim  
Malaysian Institute of Road Safety Research (MIROS)

Nor Azwadi Che Sidik  
Universiti Teknologi Malaysia

Ubaidillah  
Universitas Sebelas Maret, Indonesia