
Preface

Gang Sheng

Department of Mechanical Engineering,
University of Alaska Fairbanks,
Room 349C, Duckering Bldg,
306 Tanana Loop,
Fairbanks, AK 99775-5905, USA
Fax: 907-474-6141
E-mail: ffgs1@uaf.edu

Biographical notes: Gang Sheng is presently an Assistant Professor in University of Alaska, Fairbanks. He has 20 years of industrial and academic experiences in the area of dynamics, acoustics and tribology. He has published over 100 technical papers in journals and conferences. He is the author or co-author of several books in the area of dynamics, acoustics and tribology. He holds five patents and he has received several academic and industrial awards. He is a fellow of ASME and received both his BSc and MSc from Shanghai Jiao-Tong University and his PhD from Singapore Nanyang Technological University.

The theory and practice of NVH technology has grown and flourished during the last decade. We have witnessed many NVH publications during this period. However, there are still many developments that have not been reflected or largely ignored.

China manufactured 8.7 million vehicles in 2007, an explosive growth compared with less than one million outputs just several years ago. The research and development of automotive NVH technology in China and South-east Asia have been very active and grew quickly in last several years. However, the related researches are rarely reflected in conventional journals. One of the aims of this special issue has been to close this gap.

This special issue on 'Advances of automotive NVH technology in China and South-East Asia' deals with the state-of-the-art of the field in these regions. It contains a collection of papers ranging from the powertrain NVH analysis, new approach to characterise vehicle acoustic materials, accessory system NVH analysis, and vehicle suspension designs for the acoustic optimisation of passenger compartment, as well as noise prediction of tracked vehicles.

We hope that readers will find the special issue exciting, and useful for speculating and conjecturing future trends in the field. It is perhaps an appropriate time and place to thank Dr. Qatu Mohamad, Editor-in-Chief, Professor Zude Zou, member of editorial board, Mr. Dick Sharp, journal manager, *IJNV*, and all the reviewers without whose help this special issue would not have been possible. The reviewers include Dr. Xiandi Zhen, Dr. Chong Wang, Dr. Qijun Zhang, Mr. Martin Foulkes from General Motor Company, Michigan, USA, and Dr. Richard Chen from Chrysler, Michigan, USA (now with Magna).