
Editorial

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Biographical notes: Xiaobo Yang is a SAE Fellow and Senior Chief Principal Engineer at Global Technology, Oshkosh Corporation, has spent 25+ years in research, development and teaching in the automotive industry and at universities, focusing on vehicle dynamics, chassis system development, suspension system analysis and durability road loads simulation. He is a recipient of SAE's Lloyd L. Withrow Distinguished Speaker Award, Forest R. McFarland Award and James M. Crawford Technical Standards Board Outstanding Achievement Award. He has a Bachelor's degree from Xihua University, a Master's degree from Jilin University, and a Doctorate from Concordia University, Canada, all in Automotive/Mechanical Engineering.

Vehicle development is a complex system engineering process, which needs to balance various performance requirements, such as packaging, ride and handling, mobility, noise, vibration and harshness, fuel economy, thermal, durability and reliability, etc. As a recently developed journal of Inderscience Publishers, the *International Journal of Vehicle Performance (IJVP)* focuses on the identification of measures relevant to different performance aspects of a vehicle system and new concepts/methods/pioneering techniques in analysis/assessment/improvements in vehicle performance.

This issue comprises five most recent research papers for

- hybrid vehicle launching performance evaluation and comparison among three hybrid electric control strategies under maximum acceleration conditions
- study of the thermomechanical behaviour of the clutch plates during single clutch-plate interface dynamometer testing
- an innovative control strategy for in-wheel motor to enhance vehicle steady-state and transient handling performance
- a unique approach for integrating the electromagnetic forces of a motor with the sound pressure level radiated from its stator frame
- a new cooling concept for permanent magnet electric motors by applying a reduced order thermal model and then regulating the peak internal temperature with a smart cooling system featuring advanced controllers.

The editors of IJVP would like to express their sincere appreciation to all the authors for their valuable technical contributions and most of all to the reviewers for their immense efforts. The editors would also like to thank Dr. Richard Sun and Dr. Fan Li for their efforts to solicit papers in the early stage of the call-for-paper process.