Preface

This is a special issue of Journal of System Design and Dynamics (JSDD), a new electronic journal managed by Dynamics, Measurement and Control Division of the Japan Society of Mechanical Engineers (JSME). The review and original papers contained in the issue are chosen from more than one hundred and seventy presentations in The Twelfth Asia Pacific Vibration Conference (APVC2007) held in Hokkaido University, Sapporo, Japan from 6 to 8 August 2007. As the name implies, this was the twelfth in a series of highly successful biennial international conferences which commenced in Tokyo in 1985. Since then, they have been held in Korea, China, Australia, Singapore and Malaysia, and continue to be the only one international forum in Asia on the vibration and related problems and are one of the longest running international technical conferences with the title “Asia”. The success of APVC2007 was due to the members of the local executive committee, and I express the grateful thanks to these members.

This issue contains three review papers written by authors invited from Japan, Korea and Malaysia and thirty-four original technical papers. These papers were subjected to standard review process set by JSDD. I am deeply thankful to the distinguished researchers who contributed these papers, and to the extremely hardworking editorial committee members:

Dr.Harada, Hiroyuki (Hokkaido University)
Dr.Hosokawa, Kenji (Chubu University)
Dr.Kobayashi, Yukinori (Hokkaido University)
Dr.Matsumoto, Kin’ya (Mie University)
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Dr.Takezawa, Satoshi (Hokkaido Institute of Technology)
Dr.Tomioka, Takahiro (Railway Technical Research Institute)
Dr.Yoshida, Shoichi (Yokohama National University)

Finally, I would like to thank Prof.Yoshida of Keio University (Editor-in-Chief, JSDD) and Prof.Mizuno of Saitama University (Secretary of Editorial Board, JSDD) for the opportunity to publish these papers in JSDD. I hope that this special issue will help and stimulate further developments in the exciting and promising areas of vibration research.

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[DOI: 10.1299/jsdd.2.1]