Preface

The 6th International Conference on Leading Edge Manufacturing in 21st Century (LEM 21) was held by Japan Society of Mechanical Engineers (JSME), Manufacturing and Machine Tool Division, in Saitama during November 8-10, 2011. About 150 papers were presented at the conference and special issues are published in journals including JAMDSM with papers selected from those presented at the conference.

This special issue in JAMDSM contains 25 papers which were reviewed again and accepted by the general review process of this journal. These papers cover advanced and scientific topics of machining processes, machine tool, control, monitoring and measurement in manufacturing.

Finally we would like to express our sincere gratitude to the authors and the anonymous reviewers for their contributions to this special issue.

Chief Editor

Takashi MATSUMURA, Ph. D, Professor
Tokyo Denki University

Editors

Haruhisa SAKAMOTO, Ph. D, Professor
Sophia University

Hiroyuki SASAHARA, Ph. D, Professor
Tokyo University of Agriculture and Technology

Hayato YOSHIOKA, Ph. D, Associate Professor
Tokyo Institute of Technology