
Editorial

Tuğrul Özel*

Manufacturing Automation Research Laboratory,
Department of Industrial and Systems Engineering,
Rutgers University,
Piscataway, New Jersey 08854, USA
Email: ozel@rutgers.edu
*Corresponding author

Luis Norberto López de Lacalle

Department of Mechanical Engineering,
Faculty of Engineering,
University of the Basque Country,
Alameda de Urquijo s/n 48013 Bilbao, Spain
Email: norberto.lzlacalle@ehu.es

This special issue of the *International Journal of Mechatronics and Manufacturing Systems (IJMMS)* includes ten research articles related to various subject that the journal coverage.

In this special issue, various aspects of mechatronics issues ranging from novel machine tools chatter suppression techniques, new methods in machining stability, robust control approaches to unmanned aerial vehicles, practical designs for portable additive fabrication devices, and smart factory planning techniques are presented by several articles from leading research groups.

Modern techniques and technologies such as computational simulations for advanced grinding, novel micro-textured cutting tools and strategies to finish milling additively fabricated metal alloys, tool path planning, data-driven productivity enhancement tools are also presented by internationally renowned researchers in their fields.

The special issue also includes interesting review article on ultrasonic-assisted machining challenges and issues in this advanced machining process with applications in difficult-to-process materials.

The editors, Prof. Özel and Prof. López de Lacalle greatly acknowledge Inderscience publishers' team for their professional support throughout the preparation of this special. Finally, the editors would like to thank all the authors and all the referees for their availability and their thorough evaluations of the papers appear in this issue.