
Editorial: Manufacturing technologies and systems for medical devices

Elisabetta Ceretti*

Technologies and Manufacturing Systems Group,
Department of Mechanical and Industrial Engineering,
University of Brescia, Brescia, 25123, Italy
E-mail: elisabetta.ceretti@ing.unibs.it
*Corresponding author

Tuğrul Özel

Manufacturing Automation Research Laboratory,
Department of Industrial and Systems Engineering,
Rutgers University,
Piscataway, New Jersey, 08854, USA
E-mail: ozel@rci.rutgers.edu

Biographical notes: Elisabetta Ceretti is a Full Professor in Manufacturing at the Department of Mechanical and Industrial Engineering of the University of Brescia where she leads the Technologies and Manufacturing System Group. During her career, she covered different roles in the organisation and improvement of education. Her scientific activity is focused on design, manufacturing and optimisation by simulation tools of innovative deformation processes, of machining and micro machining and on analysis and improvement of medical devices. She is co-author of more than 120 technical papers published in international journals and conferences. She has promoted a number of joint-ventures between industries and university in metal forming, machining, biomechanics and quality management fields.

Tuğrul Özel is an Associate Professor of Industrial and Systems Engineering and the Director of Manufacturing Automation Research Laboratory at Rutgers University. He received his PhD in Mechanical Engineering from The Ohio State University in 1998. His current research interests include advanced manufacturing, computational modelling of machining processes, mechatronics, automation, control of manufacturing systems, and micro/nano manufacturing sciences. He has extensive experience in teaching and researching about high speed machining, manufacturing processes and systems and manufacturing automation. He has been the Editor, Guest Editor, reviewer, and editorial board member for several international journals and member of scientific committee for many international conferences. He has published over 100 refereed articles in international journals and conferences.

This special issue of the *International Journal of Mechatronics and Manufacturing Systems (IJMMS)* consists of original research articles expanded from the selected conference papers that appeared in The First International Conference International Conference on Design and Processes for Medical Devices that was held in Brescia, Italy on 2–4 May 2012.

The editors, Prof. Ceretti and Prof. Özel greatly acknowledge Inderscience publishers team for their professional support throughout the preparation of this special issue. The editors would like to thank all the authors and referees for their collaboration and availability and their thorough evaluations of the published papers in this issue.