Editorial

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Biographical notes: J. Paulo Davim received his PhD in Mechanical Engineering from University of Porto in 1997 and the Aggregation from University of Coimbra in 2005. Currently, he is Aggregate Professor in Department of Mechanical Engineering of the University of Aveiro and Head of MACTRIB – Machining and Tribology Research Group. He has more 25 years of teaching and research experience in manufacturing, materials and mechanical engineering with special emphasis in machining and tribology. He is the editor of six international journals, guest editor, editorial board member, reviewer and scientific advisory for many international journals and conferences. He has also published more than 300 articles in journals and conferences (more 170 articles in ISI web of knowledge, h-index 23+).

Nowadays, machining is one of the most important manufacturing processes. Machining is an industrial process in which parts are shaped by removal of chips. In general, parts manufactured by other processes often require further machining operations before the final product. Machining can be applied to work metals, polymers, ceramics, wood, composites and special materials.

M.E. Merchant has written: "Today in industrialized countries, the cost of machining amounts to more than 15% of the value of all manufactured products in those countries". Therefore, machining is very important for modern manufacturing industries.

The purpose of this special issue is to present a collection of examples illustrating the state-of-the-art some developments of machining technology.

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