
Editorial

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Biographical notes: J. Paulo Davim received a PhD in Mechanical Engineering from University of Porto and the Aggregation from University of Coimbra. Between 1986 and 1996, he was a Lecturer in the Department of Mechanical Engineering of the University of Porto. Currently, he is an Auxiliary Professor with Aggregation in Department of Mechanical Engineering of the University of Aveiro. He teaches undergraduate and graduate courses in machining and tribology. He has about 20 years of teaching and research experience. His main research interests include machining and tribology. He is the Editor of two International Journals in these subjects. He is a Guest Editor, a Reviewer and an Advisory for many international journals. He has also published more than 150 papers in refereed international journals and conferences.

The expression composite cover a very wide range of materials, from particulate reinforcement to complex continuous fibre lay-ups in specific matrixes. Among modern composite materials are finding increased application owing to very advantageous mechanical and physical properties including good wear resistance. Therefore, composite materials, have replaced conventional materials in various fields of application such as aeronautical, aerospace, automotive, as well as other industries because of his own properties. As a result of these properties and potentials applications, exits a great necessity to understand the questions associates with the machining of these materials. Most of the parts obtained in composite materials have different geometry and they usually need machining operations with the required dimensional and geometric precision as well as good surface finish.

Traditionally the composite materials are divided in three great categories: Polymeric Matrix Composites (PMCs); Metal Matrix Composites (MMCs) and Ceramic Matrix Composites (CMCs). In this special issue the first five papers are dedicated to the non-conventional machining and four remaining papers dedicated to the conventional machining. All the papers are dedicated to the MMCs machining except two that they are dedicated to the non-conventional machining of CMCs.

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