
Editorial

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Biographical notes: Carolina Machado received her PhD in Management Sciences (Organisational and Politics Management area/Human Resources Management) from the University of Minho in 1999, and Master in Management (Strategic Human Resource Management) from the Technical University of Lisbon in 1994. Teaching in the Human Resources Management subjects since 1989 at the University of Minho, she is an Associated Professor since 2004, with experience and research interest areas in the field of human resource management, international human resource management, human resource management in SMEs, training and development, management change and knowledge management. She is the Head of Human Resources Management Work Group at the University of Minho, as well as Chief Editor of the *International Journal of Applied Management Sciences and Engineering (IJAMSE)*.

J. Paulo Davim received his PhD in Mechanical Engineering from the University of Porto in 1997, the Aggregate title from the University of Coimbra in 2005 and DSc from the London Metropolitan University in 2013. Currently, he is a Professor at the Department of Mechanical Engineering of the University of Aveiro. He has more than 29 years of teaching and research experience in manufacturing, materials and mechanical engineering with special emphasis in machining and tribology. Recently, he has also interest in management/industrial engineering and higher education for sustainability. He is the editor-in-chief of eight international journals, guest editor of journals, books editor, book series editor and scientific advisory for many international journals and conferences. Presently, he is an editorial board member of 25 international journals and acts as reviewer for more than 80 prestigious ISI Web of Science journals. In addition, he has also published as author and co-author more than six books, 50 book chapters and 350 articles in journals and conferences (more 200 articles in journals indexed in Web of Science, h-index 34+).

Traditionally understood as two different scientific areas, management and engineering are, more than ever, deeply interrelated. Indeed, more than ever, we can see managers working and defining strategies in the technological, industrial and production arena, as well as engineers developing activities related with the organisational management. In both of them, the human beings and technologies are in common. How to deal with both is really a challenge to both managers and engineers. Nowadays, and in order to obtain the necessary flexibility to respond to the high levels of competition that they are facing, organisations are becoming more technologically sophisticated. Drawing on the latest developments, research and best practice, it is important to examine and better understand the technological implications of the latest changes that are taking place and how they affect the management and motivation of the human resources belonging to these organisations. Matching human and technological needs is the challenge that nowadays management and engineering are facing, for which interdisciplinary perspectives, to further our knowledge and understanding, are needed.

Looking to contribute to a better interrelationship among organisation, management, engineering, technology and working and employee needs, in order to increase efficiency and profitability of modern and competitive organisations, the purpose of this special issue is to present a collection of examples illustrating the state-of-the-art of some interdisciplinary developments that have been made in these scientific areas.

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