



## Preface

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The 7th Manufacturing Engineering Society International Conference (MESIC2017) follows and develops the lines of the six previous biennial conferences, aiming to one of the main objectives of the Manufacturing Engineering Society: to share knowledge in the field of Manufacturing Engineering. So, MESIC2017 has been a meeting point for researchers from Industry, Research Centers and Academia for presenting and discussing the recent advances in the field of Manufacturing Engineering.

This collection here presented contains papers presented to the MESIC2017, which was held in June 2017 in Vigo (Spain), on the topics related to Manufacturing Engineering, and it is especially devoted to all manufacturing engineers who work in the fields of advances and innovations in manufacturing processes, trends in manufacturing systems, metrology and quality in manufacturing, assisted technologies for supporting manufacturing engineering, manufacturing in society and Factory of the Future and Industry 4.0.

The conference has explored the traditional manufacturing models, how they are evolving, and how manufacturing professionals should face the resulting competitive challenges, in the context of an ever increasing use of digital information systems and communication technologies in the Manufacturing Industry and its transformation processes, among others, and taking into account the new trends in Manufacturing Industry 4.0

More than 200 scientific participants, from 5 continents, had many fruitful discussions and exchanges that contributed to the success of the conference, making the conference truly international in scope.

Thereby, this book contains high quality -peer reviewed- selected contributions on the most recent advances in the most innovative trends in Manufacturing Engineering. We expect this work to be of special usefulness for researchers in Manufacturing and, in general, to all the Manufacturing Engineers.

Enrique Ares  
Jorge Salguero  
*Guest Editors*

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7th Manufacturing Engineering Society International Conference (MESIC2017)  
Vigo, Spain, 28-30 June, 2017

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