

Preface

The Association for the Advancement of Modelling and Simulation Techniques in Enterprises (AMSE) and the University of Zaragoza are pleased to present the main results of the International Conference on Modelling and Simulation in Engineering, Economics, and Management, held in Teruel, Spain, July 4–5, 2016, through this book of proceedings published with Springer in the series *Lecture Notes in Business Information Processing*.

MS 2016 Teruel was co-organized by the AMSE Association and the University of Zaragoza through the GESES Research Group, with the support of the SoGrES-MF Research Group from University Jaume I. It offered a unique opportunity for students, researchers, and practitioners to present and exchange ideas concerning modelling, simulation, and related topics, and see how they can be implemented in the real world.

In this edition of the MS international conference, we paid special attention to the area of modelling and simulation in business and economic research. The title of the book, *Modelling and Simulation in Engineering, Economics and Management*, refers to a broad research area and we have tried to systematize the resulting collection into a reasonable number of cohesive themes. The importance of modelling and simulation techniques in engineering, business, and economic research is reflected through several contributions related to modelling and simulation in industrial development, finance, accounting, business management, marketing, economics, and politics, among others. This congress has as main incentive the interaction among different disciplines and this interaction is helping to improve the availability of models and techniques in business and economic research.

The MS 2016 Teruel proceedings comprise 20 papers—with a total of 56 authors from nine countries—selected from 52 submissions. The book is organized according to three general tracks of the congress: Modelling and Simulation in Finance and Accountability, Modelling and Simulation in Business Management and Economics, and Modelling and Simulation in Engineering and Other General Applications.

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Finally, we would like to express our gratitude for their support in the preparation of this book to Springer and in particular to the editors of the book series *Lecture Notes in Business Information Processing*, Wil van der Aalst, John Mylopoulos, Michael Rosemann, Michael J. Shaw, and Clemens Szyperski.

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