

Preface

The present book includes extended and revised versions of a set of selected papers from the 6th International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH 2016), held in Lisbon, Portugal, in the period July 29–31, 2016.

SIMULTECH 2016 received 76 paper submissions from 35 countries, of which 29% were included in this book. The papers were selected by the event chairs, and their selection is based on a number of criteria that include the reviews and suggested comments provided by the program committee members, the session chairs' assessments, and also the program chairs' global view of all papers included in the technical program. The authors of selected papers were then invited to submit a revised and extended version of their papers having at least 30% new material.

The purpose of the 6th International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH 2016) was to bring together researchers, engineers, applied mathematicians, and practitioners interested in the advances and applications in the field of system simulation. Four simultaneous tracks were held, covering on one side domain independent methodologies and technologies and on the other side practical work developed in specific application areas. The specific topics listed under each of these tracks highlight the interest of this conference in aspects related to computing, including Conceptual Modeling, Agent-Based Modeling and Simulation, Interoperability, Ontologies, Knowledge-Based Decision Support, Petri Nets, Business Process Modeling and Simulation.

The papers selected to be included in this book contribute to the understanding of relevant trends of current research on Simulation and Modeling Methodologies, Technologies and Applications, including Discrete-Event Simulation, Image Simulation, Cluster Simulation, and Agent-based Simulation.

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Mohammad S. Obaidat
Tuncer Ören
Yuri Merkuriev

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Obaidat, M.S.; Oren, T.; Merkurjev, Y. (Eds.)

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