Preface

The present book includes extended and revised versions of a set of selected papers from the 1st International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH 2011) which was sponsored by the Institute for Systems and Technologies of Information, Control and Communication (INSTICC) and held in Noordwijkerhout, The Netherlands. SIMULTECH 2011 was technically co-sponsored by the Society for Modeling & Simulation International (SCS), GDR I3, Lionphant Simulation and Simulation Team and held in cooperation with ACM Special Interest Group on Simulation and Modeling (ACM SIGSIM) and the AIS Special Interest Group of Modeling and Simulation (AIS SIGMAS).

This conference brings together researchers, engineers and practitioners interested in methodologies and applications related to the education field. It has two main topic areas, covering different aspects of Simulation and Modeling, including “Methodologies and Technologies” and “Applications and Tools”. We believe the proceedings here published, demonstrate new and innovative solutions, and highlight technical problems in each field that are challenging and worthwhile.

SIMULTECH 2011 received 141 paper submissions from 45 countries on all continents. A double blind paper review was performed by the Program Committee members, all of them internationally recognized in one of the main conference topic areas. After reviewing, 25 papers were selected to be published and presented as full papers and 36 additional papers, describing work-in-progress, as short papers. Furthermore, 14 papers were presented as posters. The full-paper acceptance ratio was 18%, and the total oral paper acceptance ratio was 44%.

The papers included in this book were selected from those with the best reviews taking also into account the quality of their presentation at the conference, assessed by the session chairs. Therefore, we hope that you find the papers included in this book interesting, and we trust they may represent a helpful reference for all those who need to address any of the research areas above mentioned.

We wish to thank all those who supported and helped to organize the conference. On behalf of the conference Organizing Committee, we would like to thank the authors, whose work mostly contributed to a very successful conference and the members of the Program Committee, whose expertise and diligence were instrumental to ensure the
quality of final contributions. We also wish to thank all the members of the Organizing Committee whose work and commitment was invaluable. Last but not least, we would like to thank INSTICC for sponsoring and organizing the conference.

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