

Advances in Intelligent Systems and Computing

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Simulation and Modeling Methodologies, Technologies and Applications

International Conference, SIMULTECH 2012
Rome, Italy, July 28–31, 2012
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Preface

This book includes extended and revised versions of a set of selected papers from the 2012 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH 2012) which was sponsored by the Institute for Systems and Technologies of Information, Control and Communication (INSTICC) and held in Rome, Italy. SIMULTECH 2012 was technically co-sponsored by the Society for Modeling & Simulation International (SCS), GDR I3, Lionphant Simulation, Simulation Team and IFIP and held in cooperation with AIS Special Interest Group of Modeling and Simulation (AIS SIGMAS) and the Movimento Italiano Modellazione e Simulazione (MIMOS).

This conference brings together researchers, engineers, applied mathematicians and practitioners interested in the advances and applications in the field of system simulation. We believe the papers here published, demonstrate new and innovative solutions, and highlight technical problems that are challenging and worthwhile.

SIMULTECH 2012 received 125 paper submissions from 38 countries in 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, only 38 papers were selected to be published and presented as full papers, i.e. completed work (10 pages in proceedings/30' oral presentations) and 26 papers, describing work-in-progress, were selected as short papers for 20' oral presentation. Furthermore there were also 10 papers presented as posters. The full-paper acceptance ratio was thus 30%, and the total oral paper acceptance ratio was less than 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.

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 were invaluable. Thanks also are due to the organizations that technically co-sponsored the conference. Last but not least, we would like to thank INSTICC for sponsoring and organizing the conference.

September 2013

Mohammad S. Obaidat
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