

Preface

This book includes extended and revised versions of a set of selected papers from the 2014 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH 2014), which was sponsored by the Institute for Systems and Technologies of Information, Control and Communication (INSTICC) and co-organized by Austrian Computer Society and Vienna University of Technology—TU Wien (TUW). SIMULTECH 2014 was held in cooperation with the ACM SIGSIM—Special Interest Group (SIG) on Simulation and Modeling (SIM), ACM SIGMIS—ACM Special Interest Group on Management Information Systems, Movimento Italiano Modellazione e Simulazione (MIMOS), Japan Society for Simulation Technology, Federation of Asia Simulation Societies and AIS Special Interest Group on Modeling and Simulation (AIS SIGMAS) and technically co-sponsored by the Society for Modeling & Simulation International (SCS), IEEE Computer Society’s Technical Committee on Simulation (TCSIM), and Liophant Simulation, Simulation Team.

This conference brings together researchers, engineers, and practitioners interested in methodologies and applications of modeling and simulation. The main topics covered in the papers accepted in the conference are: Methodologies and Technologies, and Applications and Tools of Modeling and simulation. We believe the accepted papers demonstrate new and innovative solutions. They also highlight technical issues and challenges in this field.

SIMULTECH 2014 received 167 paper submissions, including special sessions, from 45 countries in all continents, of which 23 % were presented as full papers. A double blind paper review was performed by the International Program Committee members, all of them recognized in at least one of the main conference topic areas.

The papers included in this book were selected from those with the best reviews also taking 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 will represent as helpful references.

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, the members of the Program Committee, whose expertise and diligence were instrumental to ensure the quality of final contributions, and the invited distinguished keynote speakers for their invaluable contribution and for taking the time to synthesize and deliver their talks. Special thanks to the plenary panel organizer and panelists for their outstanding contribution. 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. Special thanks go to the Staff members of SIMULTECH 2014 for their outstanding support and dedicated work. Last but not least, we would like to thank INSTICC for sponsoring and organizing the conference.

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