THE 11TH INTERNATIONAL CONFERENCE ON MODELING AND APPLIED SIMULATION

SEPTEMBER 19-21 2012

VIENNA, AUSTRIA

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PRINTED IN RENDE (CS), ITALY, SEPTEMBER 2012

ISBN 978-88-97999-02-7 (Paperback)
ISBN 978-88-97999-10-2 (PDF)

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September 19-21 2012, Vienna, Austria

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GENERAL CO-CHAIRS' MESSAGE

WELCOME TO MAS 2012!

On behalf of the Program Committee it is our pleasure to present to you the proceedings of the 11th International Conference on Modeling and Applied Simulation – MAS 2012.

MAS was established in 2002 as a joint event to HMS 2002 Bergeggi, Italy in order to provide an opportunity for Project Meetings. Several editions of MAS events were held during the past years in different European Countries (and not only). In particular, during the last three years MAS was held respectively in Tenerife (Spain), Fes (Morocco) and Rome (Italy) all the times collocated as a joint event with the International Multidisciplinary Modeling and Simulation Multiconference (I3M). The organizational structure of MAS 2012 is similar to other international scientific conferences. The backbone of the conference is the scientific program, which is complemented by workshops and open debates dedicated to special topics from the field of applied Modeling & simulation (M&S) and computer technologies; application fields include logistics, supply chain management, production control, business and industrial organization. In 1996 DIP University of Genoa (Italy) was driving the European Simulation Symposium (today the EMSS part of I3M) into the Simulation in Industry Event for demonstrating the potential of M&S applied in real world; in similar way MAS is an International Conference in M&S Applications.

We are delighted to report that among many submissions more than 50 papers from more than 20 different countries were selected by the program committee for presentation and discussion during the conference and subsequent publication in the conference proceedings. All submissions were reviewed by an international panel of at least 3 expert referees. We acknowledge the invaluable assistance of the program committee and the international referees, who opted to provide detailed and insightful comments to the authors.

Bridging the gap between theory and practice and incorporating theoretical results into useful products is still one of the main key issues for industrialized countries. Especially in the context of modeling and applied simulation it seems essential that researchers accept the challenge of solving real-world problems, making the science and technology based on mathematics, computer science and computational intelligence contribute to the progress of our developing communities.

MAS 2012 brings together fundamental and applied research contributions that reflect current trends and developments in modeling and applied simulation. We sincerely hope that the conference will encourage cross-fertilization between the various communities, bridging not only the gap between different fields but also, equally important, between different continents and cultures.

In closing, we would like to thank all authors for submitting their works, and all members of the Program Committee who contributed greatly to making the conference a success.

We wish you a fruitful and inspiring conference and a pleasant stay in Vienna.

Michael Affenzeller
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Marina Massei
Liophant Simulation, Italy

Fabio De Felice
University of Cassino, Italy

David Del Rio Vilas
University of a Coruna, Spain

ACKNOWLEDGEMENTS

The MAS 2012 International Program Committee (IPC) has selected the papers for the Conference among many submissions; therefore, based on this effort, a very successful event is expected. The MAS 2012 IPC would like to thank all the authors as well as the reviewers for their invaluable work.
A special thank goes to all the organizations, institutions and societies that have supported and technically sponsored the event.

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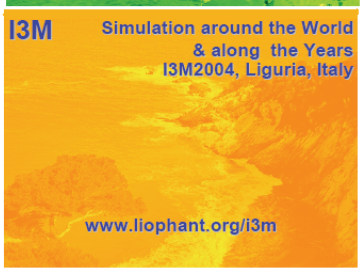

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