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LIOPHANT SIMULATION

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EDITORS

MICHAEL AFFENZELLER
UNIVERSITY OF APPLIED SCIENCES UPPER AUSTRIA, AUSTRIA
Michael.Affenzeller@fh-hagenberg.at

AGOSTINO BRUZZONE
MITIM-DIME, UNIVERSITY OF GENOA, ITALY
agostino@itim.unige.it

FABIO DE FELICE
UNIVERSITY OF CASSINO, ITALY
defelice@unicas.it

DAVID DEL RIO VILAS
UNIVERSITY OF A CORUNA, SPAIN
daviddelrio@udc.es

MARINA MASSEI
LIOPHANT SIMULATION, ITALY
massei@itim.unige.it

CLAUDIA FRYDMAN
LABORATOIRE DES SCIENCES DE L’INFORMATION ET DES SYSTEMES, FRANCE
Claudia.frydman@lsis.org

YURI MERKURYEV
RIGA TECHNICAL UNIVERSITY, LATVIA
merkur@itl.rtu.lv
THE INTERNATIONAL MULTIDISCIPLINARY MODELING AND SIMULATION
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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.

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**Michael Affenzeller**  
University of Applied Sciences, Upper Austria, Austria

**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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This International Workshop is part of the I3M Multiconference: the Congress leading Simulation around the World and Along the Years.
Index

Developing a simulation training tool for ultrasonography
John Sokolowski, Catherine Banks, William Richards  1

Generation of alternatives for model predictive control in manufacturing
Sören Stelzer, Sören Bergmann, Steffen Strassburger  7

Wrinkle effect in cloth simulation using fluidity control
Jarawan Mesit  17

Open benchmark database for multidisciplinary optimization problems
Tuomo Varis, Tero Tuovinen  23

Remarks on Qubit neuron-based quantum neural servo controller
Kazuhiko Takahashi  31

Start-up business success prediction by means of artificial neural networks
Francisco García Fernadez, Ignacio Soret Los Santos, Santiago Izquierdo, Francisco Llamazares Redondo, Francisco José Blanco Jiménez  37

A new design of FMS with multiple objectives using goal programming
Berna Dengiz, Yusuf Tansel İç, Selin Coşkun, Nil Dağaklı, Damla Aksoy, Gözde Çizmeci  42

Field experiments for engineering augmented reality tools
Gabriel Fernandes, Gerson Cunha, Celia Lopes, Luiz Landau, Alvaro L. G. de Azeredo Coutinho  47

Augmented reality system with chroma key for simulators
Mario L. Ribeiro, Gerson Cunha, Jose L.D. Alves, Maria Célia Santos Lopes, Gabriel A. Fernandes, Luiz Landau, Cezar H.V. Da Costa  53

Advanced etching algorithms for process simulation of 3D MEMS-TUNABLE lasers
Abderrazzak El Boukili  60

Modeling of water retention in substrates used in production of tomato “sweet grape”
Honorato C. Pacco, Delvio Sandri, Sebastián Avelino Neto, Marco Antonio Amaral Jr., Ananda Helena Nunes Cunha  66

Cross-docking transhipment problem approached by non linear programming and simulation analysis
Giuseppe Aiello, Mario Enea, Cinzia Muriana  70

The effect of toe mechanism for simulation of small biped walking robot by gait generation
Krissana Nerakae, Hiroshi Hasegawa  80

Simulation of house prices for improved land valuation
Terry Bossomaier, Zahid Islam, Rod Duncan, Junbin Gao  86

Unsupervised algorithm for retrieving characteristic patterns from time-warped data collections
  94
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simulation of the flood warning process with competency-based description of human resources</td>
<td>100</td>
</tr>
<tr>
<td>Supervised training of conversive hidden non-markovian models: increasing usability for gesture recognition</td>
<td>106</td>
</tr>
<tr>
<td>A construction kit of flexible IT-services for supply chain planning and operations</td>
<td>112</td>
</tr>
<tr>
<td>Improvement of thermochemical finishing processes: an application of a batch tracing system</td>
<td>121</td>
</tr>
<tr>
<td>Simulation of uncertainty in rainfall-runoff models and their statistical evaluation in the FLOREON+ system</td>
<td>128</td>
</tr>
<tr>
<td>Autonomous logistic processes of bike courier services using multiagent-based simulation</td>
<td>134</td>
</tr>
<tr>
<td>MOSIPS agent-based model for predicting and simulating the impact of public policies on SMEs</td>
<td>143</td>
</tr>
<tr>
<td>Monte Carlo simulation - the bank account selection in the Czech Republic according to the bank charges</td>
<td>153</td>
</tr>
<tr>
<td>Inertial acceleration application for wheel slip measurement of mobile robots</td>
<td>161</td>
</tr>
<tr>
<td>Visualization in business process simulation</td>
<td>169</td>
</tr>
<tr>
<td>Lumped parameters modelling of the furnace and steam systems of a 350 MW boiler</td>
<td>175</td>
</tr>
<tr>
<td>CFD simulations as a tool for flow and thermal analysis in boilers of power plants</td>
<td>181</td>
</tr>
<tr>
<td>Mathematical modeling of a heat recovery steam generator and its integration to a combined cycle power plant simulator</td>
<td>187</td>
</tr>
<tr>
<td>A simulation based design framework for large scale infrastructure systems design</td>
<td>194</td>
</tr>
</tbody>
</table>
Marta Rinaldi, Eleonora Bottani, Gino Ferretti, Mattia Armenzoni, Davide Marchini, Federico Solari, Giuseppe Vignali, Roberto Montanari

Modelling and simulation of a fish processing factory ship 316
Nadia Rego Monteil, Raquel Botana Lodeiros, Diego Crespo Pereira, David del Río Vilas, Rosa Rios Prado

Integrated systems design in an automotive industry - using CAD and simulation in layout and process optimization 326
Luis Dias, Guilherme Pereira, Pavel Vik, José Oliveira

Modeling and thermo-fluid dynamic simulation of a fresh pasta pasteurization process 335
Eleonora Bottani, Gino Ferretti, Matteo Folezzani, Michele Manfredi, Roberto Montanari, Giuseppe Vignali

A lot-size simulation model with batch demand with special attention towards the holding costs 343
Gerrit K. Janssens, Roongrat Pisuchpen, Patrick Beullens

Grid generation from video capture for meshless method thermal simulations 348
Khaoula Lassoued, Tonino Sophy, Luis Le Moyne, Nesrine Zoghlami

Customer/supplier requirements and behaviour modelling & simulation in service delivery 355
Thècle Alix, Gregory Zacharewicz, Bruno Vallespir

Modeling selectivity banks for mixed model assembly lines 361
Alex Blatchford, Yakov Fradkin, Oleg Gusikhin, Ravi Lote, Marco Pucciano, Onur Ulgen

Intermittent demand forecasting and stock control: an empirical study 367
Adriano O. Solis, Letizia Nicoletti, Somnath Mukhopadhyay, Laura Agosteo, Antonio Delfino, Mirko Sartiano

A model of a biofilter for mechanical pulping waste-water treatment 375
Stefano Saetta, Lorenzo Tiacci, Markku Tapola, Sara Hihnala

Models & interactive simulation for civil military interoperability in humanitarian aid and civil protection 381
Agostino G. Bruzzone, Alberto Tremori, Francesco Longo, Michele Turi, Giulio Franzinetti

Renewable energy sources: advanced solutions for floating photovoltaic systems 387
Giovanni Mirabelli, Letizia Nicoletti, Teresa Pizzuti, Pierluigi Stumpo

Intelligent systems for the core of anthropocentric objects and its modeling 394
Boris Fedunov

Authors’ Index 401
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If you are interested in receiving the MAS 2012 Conference Proceedings including the full papers reported in the Index, please contact:

DIPTEM University of Genoa, Prof. Agostino Bruzzone, Via Opera Pia 15, 16145 Genova, Italy
13M@simulationteam.com