



September 23-25
2009



EMSS2009

Conference Program

- Detailed Program EMSS
- Detailed Program HMS
- Detailed Program MAS

Navigation

- ▼ Conferences
 - EMSS 2009
 - MAS 2009
 - HMS 2009
- Last news
- Organizers and Sponsors
- Program
- Registration and Fees
- Venue
- Accomodation
- Image galleries
- Local Committee
- Call For Papers and Deadlines
- Past conferences

Organization Committee

General Chairs

Agostino G. Bruzzone
MISS - Genoa Center
University of Genoa. Italy

Miquel Angel Piera
MISS - Spanish Center Univ.
Autònoma de Barcelona.
Spain

Program Chairs

Rosa M. Aguilar

EMSS 2009 | MAS 2009 | HMS 2009

The 6th International Mediterranean Multiconference

[Home](#) » [Program](#)

Detailed Program EMSS

Posted September 4th, 2009
by i3m2009

[EMSS2009](#)

Agent-directed Simulation

An Agent-Directed Multisimulation Framework
10 for Management Simulation Games. *Galina Merkurjeva, Jana Bikovska, Tuncer Ören.*

Agent Simulation of Flour Silo Installations as
20 Planning Tool for Decision-Making. *Alexander Ulbrich, Ralf Kraul, Christoph Tilke, Mukul Agarwal, Willibald A. Günthner.*

The Effects of Brand Equity on Price Strategies:
42 an Agent Based Model. *Sebastiano A. Delre, Skander Essegaier.*

DEVS Modelling and Simulation

Extended Dynamic Structure DEVS. *Olaf Hagendorf, Thorsten Pawletta, Christina Deatcu.*

Validating the Global Behavior of a System
84 Described with Scenarios Using GDEVS and Z. *Trojet Wassim, Sqali Mamoun, Lucile Torres, Claudia Frydman, Amine Hamri.*

Considering Workpieces as Integral Parts of a
17 DEVS Model. *Christina Deatcu, Thorsten Pawletta, Olaf Hagendorf, Bernhard Lampe.*

TSM: Temporal Sequential Machines. *Norbert Giambiasi.*

Distributed and Parallel Simulation

A General Approach to High Fidelity Modeling,
Simulation and Control of Tactical Entities and
Implementation in a Commercial Computer
23 Generated Forces Toolkit. *Deniz Aldogan, Mehmet Haklidir, Levent Hakki Senyurek, Seniha Koksal, Omer Eroglu, Cemil Akdemir, Semuel Franko, Isa Tasdelen, Sevgi Akgun.*

Java for Parallel Discrete Event Simulation: A
56 Survey. *Iván Castilla, Rosa M. Aguilar.*

Modbus Based Protocol for Communication
between a Distributed Co-Simulation Backbone
61 and Real Elements for Simulation Matters. *Tales Marchesan Chaves, Bráulio Adriano de Mello, Paulo Betencourt.*

Simulation-Based Model of a Distributed GMPLS-

Photos from Tenerife



Upcoming events

- Opening (18 days)
- I3M Multiconference (19 days)
- Conference Registration (19 days)
- Special Session: Modeling & Simulation Initiatives in Austria: Federal Ministry for Transport, Innovation and Technology (19 days)
- Welcoming Cocktail (19 days)
- Invited Talks (20 days)



more

Facebook link

facebook



Nombre:
Mediterranean
Modelling
Multiconference
Sitios web:
<http://i3m2009.isa.atc.ull.es>
Estado:
Ninguno

Organizers

Dept. Systems Engineering
and Automation University
of La Laguna. Spain

Claudia Frydman
LSIS, Domaine Universitaire
de Saint-Jerôme. France

62 Based IP-Over-Optical Network. *S. Albarrak.*

The Discrete Event Simulation Framework
DESMO-J and its Application to the Java-based
19 Simulation of Mobile Ad Hoc Networks. *J. Göbel,
A.E. Krzesinski, B. Page.*

Hybrid Methods and Tools for Decision Making in
VRP

A Hybrid Constraint Programming / Local Search
Approach to the Pick-Up and Delivery Problem
38 with Time Windows. *Daniel Guimarans, Juan
José Ramos, Mark Wallace, Daniel Riera.*

A Hyper-Heuristic Approach for Modeling
Assignment Prioritization Rules on VRPTW
85 Constructive Heuristic by Neural Networks.
*Diego Crespo Pereira, David del Río Vilas,
Alejandro García del Valle, Adolfo Lamas
Rodríguez.*

Solving the Travelling Salesman Problem with
43 Time Windows by Lagrangean Relaxation. *R.
Herrero, J. J. Ramos, D. Guimarans.*

A Constraint Programming-Based Library for the
68 Vehicle Routing Problem. *Daniel Riera, Àngel A.
Juan, Daniel Guimarans, Estel•la Pagans.*

Industrial Engineering I

8 Tests and simulation of gas boilers in domestic
heating plants. *Renzo Tosato.*

Simulation and Analysis of a Production Line
with Multiple Output Formats. *Andrea Grassi,
21 Giuseppe Perrica, Elisa Gebennini, Sara Dallari,
Cesare Fantuzzi, Bianca Rimini.*

Cooperation among Production Chains to
Mitigate Their Environmental Impact. *Vito
88 Albino, A.Claudio Garavelli, Antonio Messeni
Petruzzelli, Devrim M. Yazan.*

Telescope Instrument Simulator Modeling
Framework for Control System Development
58 Support. *Jose Maria Perez Menor, Jose Carlos
Lopez Ruiz, Pablo Lopez Ramos.*

Industrial Engineering II

Simulation, Risks Modeling and Sensors
Technologies for Container Terminals Security.
96 *Francesco Longo, Giovanni Mirabelli, Alberto
Tremori.*

Risk Analysis for Industrial Plants Projects: An
Innovative Approach Based on Simulation
94 Techniques with Experimental Error Control.
*Roberto Mosca, Agostino G.Bruzzzone, Lucia
Cassettari, Marco Mosca.*

Simulation as Support for Layout ReDesign and



Departamento de Ingeniería de Sistemas y Automática
y Arquitectura y Tecnología de Computadores



Production Line Moving. *Marina Massei,*
95 *Francesco Longo, Federico Tarone, Alberto*
Tremori.

Demand Forecasting. *The Case of an*
97 *International Furniture Company. Stefano*
Saetta, Lorenzo Tiacci.

Modeling & Simulation Methodologies, Techniques and Applications I

2 Asymptotic Stability of Positive Fractional 2D
Linear Systems with Delays. *Tadeusz Kaczorek.*

3 Optimization Approach to Power Limits in Energy
Systems. *Stanislaw Sieniutycz.*

Development of a Cargo Screening Process
37 Simulator: A First Approach. *Peer-Olaf Siebers,*
Galina Sherman, Uwe Aickelin.

Modeling and Simulation of an Ultra-Stable
50 Cryostat for Nahual. *D. Sosa-Cabrera, F.J.*
Fuentes.

Solving Hidden Non-Markovian Models: How to
66 Compute Conditional State Change Probabilities.
Claudia Krull, Graham Horton.

Optimization of Flows and Analysis of Equilibria
89 in Telecommunication Networks. *Ciro D'Apice,*
Rosanna Manzo, Luigi Rarità.

Modeling & Simulation Methodologies, Techniques and Applications II

Programming Languages as Tools for Structured
13 Description and Simulation of Information
Systems. *Eugene Kindler, Ivan Krivý, Cyril*
Klimeš.

Using Discrete-Event Simulation to Design
29 Reliable and Cost-Efficient Civil-Engineering
Structures. *A. Juan, A. Ferrer, C. Serrat, J.*
Faulin, J. Hester, P. Lopez.

Design of Automotive Components Using
44 Advanced CAE Systems. *L. Barbieri, F. Bruno,*
M.L. Luchi, G. Malito, M. Muzzupappa, F. Rotini.

57 Metro Simulation and Optimization. *A. Guasch,*
D. Huguet, J. Montero, J. Figueras.

Use of Simulation in eGovernment Process
80 Development. *A Case Study Using the*
Simulation Tool SIGHOS. Yeray Callero, Rosa M.
Aguilar.

A Semantic Approach to Simulation Component
93 Identification and Discovery. *Marianela García*
Lozano, Farshad Moradi, Eneko Ibarzabal,
Edward Tjörnhammar.

Modeling and Simulation with Petri Nets I

Decision Taking on the Production Strategy of a

- Manufacturing Facility. *An Integrated*
79 *Methodology*. Juan Ignacio Latorre, Emilio
Jiménez, Mercedes Pérez.
- Performance Optimization of a CNC Machine
83 through Exploration of Timed State Space.
Miguel A. Mujica, Miquel Angel Piera.
- Dynamic Stand Assignment to Improve Airport
90 Gates Occupancy. *Miquel Ángel Piera, Mercedes*
Narciso, Juan José Ramos, Toni Laserna.
- The Problem of Designing Discrete Events
76 Systems. *A New Methodological Approach*. Juan
Ignacio Latorre, Emilio Jiménez, Mercedes Pérez,
Julio Blanco.
- Modeling and Simulation with Petri Nets II
- Modelling and Simulation with Discrete and
82 Continuous PN: Semantics and Delays. *Emilio*
Jiménez, Mercedes Pérez, Juan Ignacio Latorre.
- Petri Net Based Scheduling Approach Combining
73 Dispatching Rules and Local Search. *Gasper*
Music.
- The Design of a Manufacturing Facility. *An*
Efficient Approach Based on Alternatives
78 *Aggregation Petri Nets*. Juan Ignacio Latorre,
Emilio Jiménez, Mercedes Pérez, Eduardo
Martínez.
- Towards Cosimulating SystemC and Coloured
69 Petri Net Models for SoC Functional and
Performance Evaluation. *M. Westergaard, L.M.*
Kristensen, M. Kuusela.
- Modeling, Simulation and Optimization of Material
Handling Systems
- Methods for Analysis of the Time Aspect in the
18 Behavior of Agent-Based Material Flow Controls.
Sergey Libert, Andreas Nettsträter, Michael ten
Hompel.
- 47 Automatic Warehouse Modeling and Simulation.
A. Guasch, M.A. Piera, J. Figueras.
- The Impact of Strategy on Material Handling
75 System Performance: Case Studies in an Order
Picking System. *Gaby Neumann.*
- 41 A Dynamic Process Modeling of Warehouse
Operations. *Raid Al-Aomar, Amer Momani.*
- Optimization Methods and Simulation Tools for
Dynamic Systems
- 87 A Stochastic Model for Vehicular Resuspension
Exposure near Unpaved Roads. *Ann Wellens,*
Aron Jazcilevich, Christina Siebe, Irma Rosas,
Horacio Riojas.
- Network Design using Mix Integer Programming

and Montecarlo Simulation in an International
54 Supply Chain Network. *Eduardo Villareal, Idalia Flores.*

Simulated Annealing Tuning Method for Multi-
81 Rate PID Controllers. *Y. Cerezo, A. Cuesta, I. López, L. Grau.*

Analysis and Simulation of Political Parties with
27 Different Statistical Distributions. *Alejandro Suárez Buenrostro, Miguel Angel Martínez Cruz, Idalia Flores de la Mota.*

Simulation and Artificial Intelligence

7 Conscience Simulation. *Tudor Niculiu, Maria Niculiu.*

64 The Simulation of a Biosensor in MEMS Configuration. *C. Ravariu, F. Babarada.*

Simulation-Based Optimization of Process
86 Network Synthesis Using Structured-State Reinforcement Learning.

Silicon Oxide and High-K Dielectrics Modelling
53 and Simulation for Advanced Semiconductor Devices. *Florin Babarada.*

Simulation and Modeling in Medicine and Biology I

Fast Fully-Automated Model-Driven Liver
Segmentation Utilizing Slice-wise Applied
9 Levelsets on Large CT Data. *Gerald Zwettler, Franz Pfeifer, Roland Swoboda, Werner Backfrieder.*

Towards a Numerical 3D Model of Functional
Electrical Stimulation of Denervated,
70 Degenerated Human Skeletal Muscle. *Thomas Mandl, Johannes Martinek, Winfried Mayr, Frank Rattay, Martin Reichel, Ewald Moser.*

Modeling of Standardized Data Entry in
25 Dermoscopy. *S. Dreiseitl, K. Auracher, S. Puig, J. Malveyh.*

Coupling Effects in the Bidomain Model of
Functional Electrical Stimulation. *Johannes
55 Martinek, Thomas Mandl, Winfried Mayr, Frank Rattay, Martin Reichel.*

Bioinformatics Resource Facility Hagenberg -
Building High Performance Computing Services
60 for Solving Bioinformatical Problems. *Peter Kulczycki, Hannes Brandstätter- Müller, Gerald Lirk.*

Simulation and Modeling in Medicine and Biology II

PRIMOS: An Integrated Platform for Exploring
Protein-Protein Interactions. *Thomas Kern,
71 Michael Kommenda, Viktoria Dorfer, Johann W. Bauer, Kamil Önder.*

Evaluation of a Statistical Shape Model Based Approach for Recovering the 3D LV Shape from
26 Projective X-Ray Images. *R. Swoboda, G. Zwettler, C. Steinwender, F. Leisch, J. Scharinger.*

Integrated Care Using a Model-Based Patient
49 Record Data Exchange Platform. *Barbara Franz, Herwig Mayr, Margit Mayr, Franz Pfeifer, Josef Altmann, Markus Lehner.*

Individual Assessment of Muscle Fatigue and Its
72 Relation to the N-Repetition Maximum. *Andreas Schrempf, Daniel Hametner and Armin Blaha.*

Optimizing Video-Oculography Systems by
77 Simulating the Effect of Slippage Artifacts. *Michael Platz, James K. Y. Ong, Thomas Haslwanter.*

Simulation and Modeling in Medicine and Biology III

Heuristic Modeling of the Mental Progress of
Persons with Normal Brain Aging, Subjective
Cognitive Impairment, Mild Cognitive
15 Impairment, Alzheimer's Disease and Related
Dementia Disorders. *Stephan Winkler, Stefanie Auer, Michael Affenzeller, Yvonne Donabauer, Barry Reisberg.*

PCA Filter for Szintigraphic Imaging. *Werner
59 Backfrieder, Martin Forster, Wilma Maschek.*

Q-Learning Based Therapy Modeling. *Witold
12 Jacak, Karin Proell.*

Modelling and Simulation of the Anesthetic
63 process. *Juan Albino Méndez, Héctor Reboso, José Antonio Reboso, Santiago Torres.*

Collaborative Knowledge Networks Based on
22 IHE. *Josef Altmann, Franz Pfeifer, Melanie Strasser, Barbara Franz, Herwig Mayr.*

Simulation in Healthcare

SICMA Simulation of Crisis Management
48 Activities. *G. La Posta, T. Mischi.*

Meningitis: The Quiet before the Storm?
(Simulation of an On-Campus Outbreak). *Tracy
14 A. Atkins, Ken K. Westerlund, Christine M. Allen, Omar Thompson.*

Challenges of Building a Simulation Model of the
36 German Mental Health Care System. *Kristina Dammasch, Benjamin Rauch-Gebbensleben, Christfried Tögel, Graham Horton.*

Outpatient Appointment Scheduling with Patient
28 Characteristics. *Athula Wijewickrama.*

[< Conference](#) [up](#) [Detailed Program](#)
[Program](#) [HMS >](#)

I3M 2009. Puerto de la Cruz. Tenerife. Spain. September 2009.

For further information please contact [I3M Organization Committee](#)