SUMMER COMPUTER SIMULATION CONFERENCE 2003

General Chair:
Agostino G. Bruzzone, MISS, DIP University of Genoa, Italy

Program Chair:
Mhamed Itmi PSI-MISS, INSA, Rouen

Steering Committee Chair
Mohammad S. Obaidat, Monmouth University, USA

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Track: Agent- Directed Simulation

Chair:
Tuncer Ören, MISS - Ottawa Center, ON Canada

Session 1: Agent Direct Simulation
Monday 21 July 2003   Room 4   3:30 pm - 5:00 pm
Chair: Tuncer Ören, MISS - Ottawa Center, ON Canada

-Code: S063 – *Fuzzy Agents with Dynamic Personality for the Simulation of Human Behavior*
Nasser Ghasem-Aghaee, Tuncer I. Oren
University of Ottawa, School of Information Technology and Engineering, Ottawa, Ontario, Canada
University of Isfahan, Computer Eng., Isfahan, Isfahan, Iran

-Code: S073 – *Personality Representation Processable in Fuzzy Logic for Human Behavior Simulation*
Tuncer Oren, Nasser Ghasem-Aghaee
Univ. Ottawa, Computer Science, Ottawa, Canada
University of Isfahan, Department of Computer Engineering, Isfahan, Iran

-Code: S101 – *Simulation Using Intelligent Mobile Agents*
András Jávor, Gergely Mészáros-Komáromy
Budapest University of Technology and Economics, Department of Information and Knowledge Management, Budapest, Hungary

Session 2: Agent Direct Simulation
Tuesday 22 July 2003   Room 4   3:30 pm - 5:00 pm
Chair: Tuncer Ören, MISS - Ottawa Center, ON Canada

-Code: S153 – *A Simulation-based Approach to Developing Real-time Distributed Control Systems*
Robert W. Brennan, James Wang
University of Calgary, Mechanical and Manufacturing Engineering,
Calgary, Alberta, Canada

-Code: S157 – *Agent-Based Modeling with Game Theory Constructs*
Raymond R Hill1, Joseph C Price, Lance E Champagne
Wright State University, Biomedical, Industrial & Human Factors Eng., Dayton, OH, USA
Air Force Institute of Technology, Operational Sciences, WPAFB, OH, USA

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Track: Business & Industry

Chair:
Priscilla Elfrey, NASA & NCS, FL USA

Session 1: Business & Industry
Monday 21 July 2003   Room 5   10:30 am - 12:00 pm
Chair: Roberto Revetria, ITIM, Italy

-Code: S064 – *Predicting the Impact on Throughput of a New Information System*
George Tompkins, Robert J Burnside, Johnell M Gonzales-Lujan
Los Alamos National Laboratory, Technology Modeling & Analysis, Los Alamos, New Mexico, USA

-Code: S054 – *Engine Flow Fence Actuator Sensitivity Analysis Using Mathematical Modeling & Computer Simulation*
Oswald G. Harris
Honeywell Engines, Systems & Services, Controls Integration, Phoenix, Arizona, USA

-Code: S053 – *Higher-Performance Arbitration Circuit for Inter-processor Communication*
Jih- Fu Tu, Ming-Chih Lu
St. Johm's & St. Mary's Institute of Technology, The department of Electronic Engineering, Taipei, Taiwan

Session 2: Business & Industry
Tuesday 22 July 2003   Room 5   10:30 am - 12:00 pm
Chair: Priscilla Elfrey, NASA & NCS, FL USA

-Code: S081 – *Simulation for the Reverse Management of Business Processes*
Alessandra Orsoni, Agostino Bruzzone
University of Genoa, Production Engineering, Genoa, Italy

-Code: S082 – *Simulation-Based Assessment of Dense Gas Release Hazard in Industrial Facilities*
Alessandra Orsoni, Giribone Pietro
University of Genoa, Production Engineering, Genoa, Italy

-Code: S049 – *Identification and modeling of some of the effective factors in the decision-making process of Bushehr NPP-1 control room operators*
Kamran Sepanloo, Reza Jafarian, Fariba Dezhbankhan, Reza Zarghami
Atomic Energy Organisation of Iran, National Nuclear Safety, Tehran, Iran
University of Tehran, Engineering, Tehran, Iran

Session 3: Business & Industry
Tuesday 22 July 2003   Room 5   1:30 pm - 3:00 pm
Chair: Priscilla Elfrey, NASA & NCS, FL USA

-Code: S104 – *The Simulation Industry in search of recognition, The Next Step*
Lorraine Grace
UCF, School of EECS, Orlando Florida, Florida, USA

-Code: S111 – *Computer Aided Multi-Paradigm Modelling of Hybrid Systems with AToM3*
Juan de Lara, Hans Vangheluwe, Manuel Alfonseca
Universidad Autonoma Madrid, Computer Science, Madrid, Spain
McGill University, Computer Science, Montreal, Quebec, Canada

-Code: S074 – *SIMS: A Modeling and Simulation Platform for Intrusion Monitoring/Detection Systems*
Ashish Garg, Shambhu Upadhyaya, Ramkumar Chinchani, Kevin Kwiat
University at Buffalo, State University of New York, Computer Science and Engineering, Buffalo, New York, USA
Air Force Research Laboratory, Rome, New York, USA

Session 4: Business & Industry
Wednesday 23 July 2003   Room 5   10:30 am -
12:00 pm
Chair: Priscilla Elfrey, NASA & NCS, FL USA

-Code: S134 – *A Random Walk Toward Building an Agenda for the Future of Simulation*
Priscilla Elfrey
NASA KSC, NCS, Orlando, Florida, USA

-Code: S112 – *An Efficient Sampling Technique for Stochastic Supply Chain Simulations*
Wing Yan Hung, Sergei Kucherenko, Nouri J Samsatli, Nilay Shah
Imperial College London, Centre for Process Systems Engineering (CPSE), London, England, United Kingdom

-Code: S055 – *A Robust Design of a Static VAR Compensator Controller for Power System Stability Improvement*
Abu Hamed Rahim, Samir A. Al-Baiyat
K.F. University of Petroleum and Minerals, Electrical Engineering, Dhahran, Saudi Arabia

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Track: Life Science Simulation

Chair
David R.C. Hill, ISIMA, France

Session 1: Life Science Simulation
Wednesday 23 July 2003   Room 5   1:30 pm - 3:00 pm
Chair: David R.C. Hill, ISIMA, France

-Code: S034 – *Simulation of microarray image experiments*
Vincent Barra, Christophe Gouinaud
LIMOS, AUBIERE, France

-Code: S043 – *FOREST: A System for Developing and Evaluating Ecosystem Simulation Models*
 Heather K May, John S Conery
University of Oregon, Computer and Information Science, Eugene, OR, USA

-Code: S128 – *On the modeling and visualization of heart valve closure mechanisms*
Sriprakash Sarathy, Niranjan Talukder, Jarrell Reed
Clark Atlanta University, Engineering, Atlanta, GA, USA

-Code: S069 – *Forming of Controlled Living Microenvironments*
Alexander A. Amelkin
Moscow State University of Food Production, Moscow, Russian Federation

Session 2: Energy & Minerals Production Systems Simulation and Risks Engineering
Wednesday 23 July 2003   Room 5   1:30 pm - 3:00 pm
Chair: Samuel Frimpong, CAMDeR University of Alberta, Canada

-Code: S008 – *Performance Simulation of Shovel Excavators for Earthmoving Operations*
Samuel Frimpong1, Yafei Hu, Zongyu Chang
University of Alberta, Civil & Environmental Engineering, Edmonton, AB, Canada

-Code: S077 – *Surface Mining Escavation Monitoring Using Spot Satellite Imaging*
Nuray Erdogan, Abdurrahim Ozgenoglu, Zuhal Akyurek, Samuel Frimpong
University of Alberta, Civil and Environmental Engineering, School of Mining and Petroleum, Edmonton, Alberta, Canada

-Code: S087 – *NUMSOSS: Numerical Simulation Software for Oil Sand Slurry Flow in Flexible Pipelines*
Samuel Frimpong, Rufus Ayodele, Jozef Szymanski
University of Alberta, School of Mining and Petroleum Engineering, Edmonton, Alberta, Canada.

-Code: S052 – *SIMULATION TOOLS FOR INDUSTRIAL NOISE LEVEL ESTIMATION: THE REAL CASE OF A POWER STATION*
Domenico Falcone, Vincenzo Duraccio, Angelo Pette
University of Cassino, Departmento of Industrial Engineering, Cassino, FR, Italy

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Track: Maritime Simulation

Chairs:
Pertti Broas, VTT, Finland
Aldo Zini, Cetena/Fincantieri, Italy

Session 1: Maritime Simulation
Monday 21 July 2003   Room 2   3:30 pm - 5:00 pm
Chair: Pertti Broas, VTT, Finland

-Code: S146 – *VISION Virtual Ship Simulation*
Francesco Perra, Aldo Guagnano, Riccardo Necrisi, Necrisi Tozzi
Orizzonte Sistemi Navali S.P.A, Simulation, Genova - CETENA, Genova, Italy

-Code: S170 – *Development, Validation, and Application of the Dynaface Helicopter / Ship Dynamic Interface Simulation Software Package*
Robert G. Langlois, Michael LaRosa, Atef R. Tadros
Carleton University, Mechanical and Aerospace Engineering, Ottawa, ON, Canada.
Indal Technologies Inc., Mississauga, Ontario, Canada

-Code: S171 – *Simulating the Effects of Ship Motion on Postural Stability Using Articulated Dynamic Models*
Robert G. Langlois, Joyce Wedge
Carleton University, Mechanical and Aerospace Eng., Ottawa, Ontario, Canada

-Code: S130 – *Simulation of Klapeida Oil Terminal*
Henrikas Pranevicius
Kaunas University of Technology, Business informatics, Kaunas, Lithuania

Session 2: Maritime Simulation
Tuesday 22 July 2003   Room 2   3:30 pm - 5:00 pm
Chair: Aldo Zini, Cetena/Fincantieri, Italy

-Code: S014 – *On-Board Training System with improved damage control model*
Luigi Vindigni, Yves Cote
CAE Inc., 53 - Power Systems & Simulation Dept., Saint-Laurent, Quebec, Canada

-Code: S105 –
Virtual Simulation of Open Sea and Harbour Manoeuvring of Cruise Vessels
Giovanni Cazzani, Alessia Coan, Roberta Depascale, Andrea Lommi, Luca Sebastiani
Cetena S.P.A., Fincantieri S.P.A., Merchant Ship Division, Italy

-Code: S060 – *Computing Simulation Model of Shipbuilding Organization Process*
Ante Munitic, Slavko Simundic, Josko Dvornik
Maritime Faculty of Split, System Dynamics, Split, Croatia (Hrvatska)

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Track: Military Applications and Simulation

Chairs:
Robert Lutz, John Hopkins University APL, USA
Joe Uzdzinski, Lockheed Martin, USA

Session 1: Simulation Methodologies for Military Network Applications
Monday 21 July 2003   Room 1   10:30 am - 12:00 pm
Chair: Kevin A Kwiat, Air Force Research Lab, Information Directorate, Rome, NY, USA

-Code: S048 – *Integrating Distributed Wireless Simulation Into Genesis Framework*
Boleslaw K. Szymanski, Kiran Madnani
Rensselaer Polytechnic Institute, Computer Science, Troy, NY, USA

-Code: S002 – *Fluid models of wireless networks*
R Srikant, Atilla Eryilmaz
University of Illinois, Coordinated Science Lab, Urbana, IL, USA

-Code: S031 – *Simulation-based Tools for Validation of Distributed Network Protocols*
Kaliappa N Ravindran, Kevin A Kwiat
City University of New York, Computer Science, New York, NY, USA
Air Force Research Lab, Information Directorate, Rome, NY, USA

Session 2: Air and Missile Defense Analysis
Monday 21 July 2003   Room 1   1:30 pm - 3:00 pm
Chair: Joe Uzdzinski, Lockheed Martin, USA

-Code: S189 – *Using the High-Level Architecture to Evaluate C4ISR System Design in a Battlefield Centext*
C. Matthew Palmer
Lockheed Martin, Moorestown, NJ, USA

-Code: S152 – *Sea-Based Missile Defense System Effectiveness Analysis*
Joseph E. Uzdzinski, Timothy J. Sullivan, Robert R. Koury
Lockheed Martin, Modeling and Operations Analysis, Moorestown, NJ, USA

-Code: S164 – *Missile Defense as a Capacity Planning Problem*
Jerry Couretas
Lockheed Martin, Arlington, VA, USA

-Code: S151 – *A Conceptual Model of the Capability to Deliver Military Capability-based Planning*
Chris Pogue, A Vallerand
Dept of National Defence, Synthetic Environment Coordination Office (SECO), Ottawa, Ontario, Canada

Session 3: Defense Systems Performance Evaluation
Monday 21 July 2003   Room 1   3:30 pm - 5:00 pm
Chair: Robert Lutz, John Hopkins University APL, USA

-Code: S071 – *Use of a Hardware-in-the-Loop Simulation to Determine System Performance as Part of a Shelf Life Extension Study for an Air Defense Missile System*
David M Curry, Craig A Combs, Susan Christiansen, Marcia Holmes
US Army Aviation & Missile Command, Aviation & Missile RDEC, Redstone Arsenal, Alabama, USA

-Code: S160 – *Search Algorithm for Nonlinear Stochastic System – Bay of Biscay Scenario*
Subhashini Ganapathy, Sundaram Narayanan, Raymond Hill1
Wright State University, Dept. of Biomedical and Industrial Eng. Dayton, Ohio, USA

-Code: S163 – *On the use of Virtual Prototyping in Ship Design*
A.I. Lommi, A.Zini, Davide Tozzi, Riccardo Necrisi, Alessio Carta, Marco Parapetto
CETENA, Information Technologies, Genoa - Italian Navy, SPMM, Roma, Italy

-Code: S029 – *The Research of Simulation Grid Oriented Large-Scale Simulation*
LING Yun-xiang, QIU Di-shan, GAO Ming
College of humanities and management,NUDT, Changsha, Hunan, China.

Session 4: Military Simulation
Tuesday 22 July 2003   Room 1   10:30 am - 12:00 pm
Chair: Joe Uzdzinski, Lockheed Martin, USA

-Code: S003 – *A Simulation/Prototype Co-Design Approach for Assuring the Effectiveness of Securing a Distributed System*
Kevin A. Kwiat, Joseph V. Beasock
Air Force RL, AFRL/IFGA, - PAR, Government Systems, Rome, NY, USA

-Code: S045 – *Suggesting a Common Framework for the Classification of Military Training and Computer Game Simulators*
Torben Svane, Lars Karlsson
Halmstad University, School of Information Science, Halmstad, Sweden

-Code: S190 – *Converging Voice Over Internet Protocol (VoIP) with Distributed M&S*
Scott Holben, Robert Johnson
Lockheed Martin, Marietta, Georgiz, USA

-Code: S078 – *„TAMIZA" - THE SIMULATION BASED TRAINING SYSTEM EMBEDDED IN REAL MILITARY EQUIPMENT*
Piotr S Michalowski, Marek Iwaniuk
Air Force Institute of Technology, Warszawa, Poland
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Track: M&S Methodology, Tools and Applications

Chairs:
Fernando Barros, University of Coimbra, Portugal
Ralph Huntsinger, MISS - CSUChico, CA USA

Session 1: M&S Methodology, Tools and Applications
Monday 21 July 2003   Room 3   10:30 am - 12:00 pm
Chair: Ralph Huntsinger, MISS - CSUChico, CA USA

-Code: S001 – *MDA Compliant Design of SimExplorer A software tool to handle simulation experimental frameworks*
F.Amblard, David R.C. Hill, Stéphan Bernard, Jérome Truffot, Guillaume Deffuant
Cemagref, LISC, Aubiere, France - CNRS, LIMOS, Aubière, France

-Code: S016 – *Knowledge-based Computational Model Assembling*
Martin Th. van Hees
MARIN, Ships - Knowledge Based Solutions, Wageningen, The Netherlands.
Qnowledge BV, Wageningen, The Netherlands

-Code: S036 – *From Class Diagrams to Zope Products with the Meta-Modelling Tool AToM3*
Andriy Levytskyy1, Eugene J.H. Kerckhoffs
TU Delft, ITS\Mediamatica, Delft, The Netherlands

-Code: S199 – *Beyond limits in Kohonen's self-organized clustering*
Miroslav Snorek
Czech Technical University, Computer Science and Engineering, Praha 2, CZ

Session 2: M&S Methodology, Tools and Applications
Monday 21 July 2003   Room 3   1:30 pm - 3:00 pm
Chair: Bernard Ziegler, University of Arizona, USA

-Code: S042 – *A new Framework for the Analysis of Simultaneous Events*
Christoph Barz, Rolf Göpffarth, Peter Martini, Andre Wenzel
University of Bonn, Computer Science IV, Bonn, Germany

-Code: S046 – *A New Approach for The Parallel Solution of ODE's Expressed in Symmetric Form*
Osman Abou-Rabia
Laurentian University, Mathematics & Computer Science, Sudbury, Ontario, Canada

-Code: S047 – *Identifying Equivalence of DEVSs: A Language Approach*
Moon Ho Hwang
Cubictek, Co., Ltd., Simulation & Control Center, Troy, MI, USA

-Code: S056 – *Periodic Time Series Evaluation & Model Construction*
Jerry M Couretas
LM, Arlington, Virginia, USA

Session 3: M&S Methodology, Tools and Applications
Monday 21 July 2003   Room 3   3:30 pm - 5:00 pm
Chair: Fernando Barros, University of Coimbra, Portugal

-Code: S061 – *Using Simulations as a Persuasive Technology in Secondary School Technical Curriculum*
Thomas W Mastaglio, George C Harrison
Norfolk State University, Computer Science, Norfolk, VA, USA

-Code: S062 – *Remote execution and 3D visualization of Cell-DEVS model*
Gabriel A Wainer, Wenhong Chen
Carleton University, Systems and Computer Engineering, Ottawa, ON, Canada

-Code: S065 – *On a Difference Equations Model for HIV/AIDS Development*
Bhagwan D Aggarwala
University of Calgary, Mathematics and Statistics, Calgary, Alberta, Canada

-Code: S066 – *Improving Finite Elements Method models using Cell-DEVS*
Gabriel A Wainer, Hesham Saadawi
Carleton University, Systems and Computer Engineering, Ottawa, ON, Canada

Session 4: M&S Methodology, Tools and Applications
Tuesday 22 July 2003   Room 3   10:30 am - 12:00 pm
Chair: Hessam Sarjoughian, Arizona State University, USA

-Code: S070 – *A Model for Software Error Estimation*
Darush Davani, Goran Trajkovski
Towson University, Computer and Information Sciences, Towson, MD, USA

-Code: S075 – *A Faster Implementation of Devs in the Joint MEASURE Simulation Environment*
Steven B Hall, Shankar M Venkatesan, Donald B Wood
Lockheed Martin, Advanced Simulation Center, Sunnyvale, CA, USA

-Code: S106 – *Automated Symbolic Generation of Vector Graph Theoretic Object Based Non-Linear Dynamic Simulation Models*
Sriprakash Sarathy, Khalil Shujaee, Kayin Canon
Clark Atlanta University, Engineering, Atlanta, GA, USA
Georgia Institute of Technology, Aerospace, Atlanta, GA, USA

-Code: S090 – *Technique for Identifyng an Observable Process with one of several Simulation Models*
Nicholas A. Nechval, Konstantin N. Nechval, Edgars K. Vasermanis
Institute of Transport and Telecommunication, Department of Applied Mathematics, Riga, Latvia

Session 5: M&S Methodology, Tools and Applications
Tuesday July 2003   Room 3   1:30 pm - 3:00 pm
Chair: Gabriel Wainer, Carleton University, Canada

-Code: S118 – *Efficient Simulation of Large Dynamic Structure Cell Spaces*
 Alexandre MUZY1, Eric INNOCENTI1, Fernando J. BARROS2, Antoine AIELLO,
Jean-francois SANTUCCI
University of Corsica, Computer science, Corti, Corsica, France
Universidade de Coimbra, Dept. Eng. Informática, Coimbra, Portugal

-Code: S120 – *Explanatory reasoning: from knowledge based systems to simulation systems*
Elamri Fouad, Itmi Mhamed, Pécuchet Jean-Pierre1
INSA, PSI laboratory, Rouen, France
College of Engineering, Computer Science and Technology, Chico, California, USA

-Code: S123 – *Simulating the Inter-Component Interactions in Software Systems*
Boris Shishkov, Joseph Barjis, Jan Dietz
Delft University of Technology, Information Systems & Algorithms, Delft, n/a, The Netherlands
Thames Valley University, Department of Computer Science, Slough, UK
The University of Reading, Department of Computer Science, Reading, UK

-Code: S108 – *Simulation Speedup for DEVS Models by Composition-based Compilation*
Wan Bok Lee, Tag Gon Kim1
KAIST, EECS, Daejeon, Korea, Republic of

Session 6: M&S Methodology, Tools and Applications
Tuesday 22 July 2003   Room 3   3:30 pm - 5:00 pm
Chair: J.M.Couretas, Lockheed Martin, USA

-Code: S129 – *Mapping ODEs to DEVS: Adaptive Quantization*
Jean-Sebastien Bolduc, Hans L Vangheluwe
McGill University, School of Computer Science, Montreal, Quebec, Canada

-Code: S137 – *The Antic 2 training multi agent simulation system*
Samuel Morisset, Jean-Pierre Pecuchet, Marc Savall
Insa of Rouen, PSI, Déville les Rouen, Normandie, France

-Code: S124 – *A Simulation based DSS for Modelling passenger arrivals and departures in an Immigration System of a Major International Airport*
Masood Badri
United Arab Emirates University, Faculty of Business & Economics, NA, United Arab Emirates

Session 7: M&S Methodology, Tools and Applications
Wednesday 23 July 2003   Room 3   10:30 am - 12:00 pm
Chair: Hans Vangeleuwe, MCGills University, Canada

-Code: S141 – *A unified view of time and causality and its application to distributed.*
James Nutaro Hessam S. Sarjoughian
Arizona State University, Computer Science & Engr., Tempe, AZ, USA
University of Arizona, Electrical & Computer Engineering, Tucson, AZ, USA

-Code: S145 – *Modeling and Simulation of Switched Systems: a dynamic structure approach*
Fernando J Barros
University of Coimbra, Informatics, Coimbra, NA, Portugal

-Code: S159 – *Empirical Analysis of Legacy Heuristics using Simulation-Based Methods*
Raymond R Hill1, Yong Kun Cho, James T Moore
Wright State University, Biomedical, Industrial & Human Factors Eng., Dayton, OH
Air Force Institute of Technology, Operational Sciences, WPAFB, OH, USA

-Code: S168 – *An Application of Lean Concepts and Simulation for Drainage Systems Maintenance Operations*
Albert Agbulos, John Roesch, Mohamed Al-Hussein, Simaan AbouRizk
University of Alberta, Civil and Environmental Engineering, Edmonton, Canada
City of Edmonton, Office of the City Auditor, Edmonton, Alberta, Canada

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Track: On-Line Simulation

Chair:
Helena Szczerbicka, University of Hannover, Germany

Session 1: On-Line Simulation
Wednesday 23 July 2003   Room 4   1:30 pm - 3:00 pm
Chair: Helena Szczerbicka, University of Hannover, Germany

-Code: S019 – Computer-Based aiding to reduce human error in real-time complex Decision Making
Damodar Bhandarkar
Pennsylvania State University, Industrial Engineering, University Park, PA, USA

-Code: S032 – *On-Line Simulation: Towards New Statistical Approaches*
Thomas Bessey
University of Hannover, Institute of Systems Engineering, Hannover, Germany

-Code: S107 – *Needs and Proposals for Theoretical Research on On-Line Simulation*
Thomas Bessey
University of Hannover, Institute of Systems Engineering, Hannover, Germany

-Code: S057 – *Intelligent Design and Real-time Simulation on Control Systems*
Honghui Zhu
Wuhan University of Technology, Dept. of Logistics Enginerring, Wuhan, China
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Track: Optimization of Logistic Systems Through Simulation

Chairs:
Miquel Angel Piera, UA Barcelona, Spain - Antoni Guasch, UPC, Spain

Session 1: Optimization of Logistic Systems Through Simulation
Tuesday 22 July 2003   Room 4   10:30 am - 12:00 pm
Chair: Miquel Angel Piera, UA Barcelona, Spain

-Code: S011 – *Optimization of a Large Steelmaking Workshop Through Integration of Computer Simulation and Design of Experiment*
Ali Azadeh, Pantea Hazegazam, Kaveh Asghari Rod
University of Tehran, Iran

-Code: S017 – *Simulation of a Crossdocking Operation in a Just-in-Time Environment*
Karina Hauser
Utah State University, Chen Chung, University of Kentucky, USA

-Code: S143 – *Net-Simulation: combining optimisation and Simulation in the textile Industry*
Alberto Sanfeliu, Vicenç Puig, Antoni Guasch
Universitat Politècnica de Catalunya, Spain

Session 2: Optimization of Logistic Systems Through Simulation
Tuesday 22 July 2003   Room 4   1:30 pm - 3:00 pm
Chair: Antoni Guasch, UPC, Spain

-Code: S033 – *Professional Support for Cooperative Simulation Projects -*
A Challenge for the Simulation of Logistics and Production Networks
Carlos Jahn, Fraunhofer IFF, Germany

-Code: S086 – *Uncertainty in Modelling and Its Impact on Optimisation*
Domain; Network Services Pricing
Mariusz Kamola, Piotr Arabas, Krzysztof Malinowski
Warsaw University of Technology, Poland

-Code: S097 – *Web Integrated Logistics Design: an HLA Framework for*
Supplying Negotiation
Agostino Bruzzone, Roberto Revetria
University of Genoa, Italy

Session 3: Optimization of Logistic Systems Through Simulation
Wednesday 23 July 2003   Room 4   10:30 am - 12:00 pm
Chair: Miquel Angel Piera, UA Barcelona, Spain

-Code: S144 – *Simulation and Optimization of Logistic and Production*
Systems Using Discrete and Continuos PN
Emilio Jiménez, Mercedes Pérez
University of La Rioja, Spain

-Code: S037 – *Optimization of Logistic Systems Through Simulation:*
Simulation based Value-added-services - Analysis and
Evaluation of Predictive Alteration Planning
Andreas Hellmann, Ulrich Jessen
Fraunhofer Institute for Material Flow and Logistics, Germany

-Code: S148 – *A Methodology to Improve Simulation Optimization*
Approach for Process Scheduling Through Petri Net Formalism
Miquel Angel Piera, Toni Guasch, Mercedes Elisabet Narciso
Universitat Autonoma de Barcelona, Spain

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Track: Production & Manufacturing

Chairs:
Edward Williams, PMCorp, USA

Session 1: Production & Manufacturing
Monday 21 July 2003   Room 4   10:30 am - 12:00 pm
Chair: Edward Williams, PMCorp, USA

-Code: S022 – *Exploring Alternatives in an Automotive Industry Job Shop Using Simulation*
 Edward J. Williams, Ryan VanBelle
University of Michigan - Dearborn, Industrial & Manufacturing Systems
Engineering, Dearborn, Michigan, USA

-Code: S023 – *Simulation-based Order Acceptance in Make-to-order Manufacturing Systems*
Amitava Nandi, Paul Rogers
Nortel Networks, Optical Components Division, Ottawa, Ontario, Canada
The University of Calgary, Department of Mechanical and Manufacturing
Engineering, Calgary, Alberta, Canada

-Code: S040 – *The use of data Envelopment Analysis and Simulation in Process Engineering*
Andrew Greasley Aston University, Operations and Information Management Group,
Birmingham, United Kingdom

-Code: S174 – *A new dispatching rule for stochastic and dynamic job scheduling*
Umar M. Al-Turki, Abdulbasit A. Andijani, Shaikh Arifulsalam
KFUPM, Systems Engineering, Dhahran, Saudi Arabia

Session 2: Production & Manufacturing
Monday 21 July 2003   Room 4   1:30 pm - 3:00 pm
Chair: Edward Williams, PMCorp, USA

-Code: S050 – *Design and Validation of an IFDI Syatem by the employment of artificial neural Networks*
Domenico Falcone, Fabio De Felice, Alessandro Silvestri, Vincenzo Duraccio, GianPaolo Di Bona
University of Cassino, Department of Industrial Engineering, Cassino, Italy

-Code: S138 – *Simulation as a Tool in Understanding the Concepts of Lean Manufacturing*
Bernard J Schroer
Univ AL Huntsville, Research, Huntsville, AL, USA

-Code: S142 – *A Simulation Study on Color Rescheduling Storage in an Automotive Factory*
Dug Hee Moon1, Ha Seok Kim
Changwon National University, Industrial & Systems Engineering, Changwon, Gyeongnam - GM Daewoo Auto and Technology Co, Production Engineering Center, Changwon, Gyeongnam, Korea, Republic of

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Track: Simulation in Transportations

Chairs:
Fred Wieland, MITRE, USA
Essam Radwan, UCF, FL USA

Session 1: Aviation Applications
Monday 21 July 2003   Room 2   10:30 am - 12:00 pm
Chair: Fred Wieland, MITRE, USA

-Code: S021 – *An Organizational Approach to Assessing the Need for a Distributed Simulation*
Patricia A Liguori, Celesta G Ball
The MITRE Corporation, CAASD, McLean, Virginia, USA

-Code: S080 – *Building the Timetable from Bottom-Up Demand A Micro-Econometric Approach*
Jennifer L Gentry, Dipasis Bhadra, Wells Michael, Brendan Hogan
MITRE/CAASD, F066, McLean, VA, USA

-Code: S194 – *A Simulation Study of the Passenger Check-in System at the Ottawa International Airport*
Yuheng Cao, Aaron Nsakanda, Irwin Pressman
Carleton University, Sprott School of Business, Ottawa, Ontario, Canada
Carleton University, School of Mathematics and Statistics, Ottawa, Ontario, Canada

Session 2: Ground Transportation
Monday 21 July 2003   Room 2   1:30 pm - 3:00 pm
Chair: Essam Radwan, UCF, FL USA

-Code: S067 – *Overview of Driving Simulator Research Capabilities at The University of Central Florida*
Harold I Klee
University of Central Florida, Computer Engineering, Orlando, FL, USA

-Code: S015 – *Driving Simulators Application to Left Turn Gap Acceptance*
Essam Radwan
UCF, CATSS, Orlando, FL, USA

-Code: S006 – *Investigating Compressibility of Large-Scale Microscopic Transportation Systems Simulation*
Sherif Ishak, Ciprian Alecsandru
Louisiana State University, Civil Engineering, Baton Rouge, LA, USA

-Code: S030 – *Simulation of the Shuttle-Bus Pilgrim Transportation System Between the Holy Shrines of Hajj*
Hussam M Soliman1, Sahl A Al-Sabban, Osama I Abduh
King Saud University, Riyadh - Ministry of Hajj, Projects & Holy Shrines, Makkah - Ministry of Communication, Riyadh, Saudi Arabia

Session 3: Invited Talk of Simulation in Transportations
Tuesday 22 July 2003   Room 2   10:30 am - 12:00 pm
Chair: Fred Wieland, MITRE, USA
Speaker: Dr.Amy Pritchett

Session 4: Ground Transportation
Tuesday 22 July 2003   Room 2   1:30 pm - 3:00 pm
Chair: Essam Radwan, UCF, FL USA

-Code: S027 – *SHAKER: a Maximum Throughput Model for Toll Collection Facilities*
Marguerite L Zarrillo, A. Essam Radwan, Daniel Schmitt
University of Massachusetts Dartmouth, Physics Department, N. Dartmouth, USA

-Code: S166 – *A brake disc's temperature estimation module*
Saïd Hayat1, Samuel Artus, Marcel Staroswiecki, Vincent Cocquempot
INRETS, IPSIS Université des Sciences et Technologies de Lille, Laboratoire LAIL, Lille, France

-Code: S059 – *Modeling Driver Behavior: A Combined Equation-Based and Fuzzy-Based Approach*
Anis Ben Amor, Shigeyoshi Watanabe
The University of ElectroCommunications, Information and Communication Engeneering, Tokyo, Japan

Session 5: Ground Transportation
Wednesday 23 July 2003   Room 2   1:30 pm - 3:00 pm
Chair: Fred Wieland, MITRE, USA

-Code: S026 – *TNCC and the No-Queue-Maximum-Throughput Indicator at Toll Facilities*
Marguerite L Zarrillo, A. Essam Radwan, Ali Jaffery
University of Massachusetts Dartmouth, Physics Department, N. Dartmouth, Massachusetts, USA

-Code: S169 – *Traffic Accident Simulation and Animation*
Mohamed Abdel-Aty1, Hala ElAarag
University of Central Florida, Civil & Environmental Engineering, Orlando, USA
Stetson University, Dept. of Mathematics and Computer Science, DeLand, FL, USA

-Code: S135 – *A Simulation Study for Automated Path Planning in Transportation Systems*
Balqies Sadoun
Al-Balqa' Applied University, Dept. of Surveying Eng.&Geomatics, Al-Salt, Jordan

Session 6: Ground Transportation
Wednesday 23 July 2003   Room 2   3:30 pm - 5:00 pm
Chair: Abdellah El Moudni, UTBM, France

-Code: S109 – *A Game-Based, Multi-Agent Coordination Mechanism - Application to Road Traffic and Driving Simulations -*
Alexis Champion1, Stéphane Espié, René Mandiau, Jean-Michel Auberlet, Christophe Kolski
INRETS, MSIS, Arcueil, France
CS-Srilog, R&D, Clamart, France
LAMIH, RAIHM, Valenciennes, France

-Code: S089 – *Predictive Quantization-based Filtering in Distributed Traffic Simulation*
JongKeun Lee, SungDo Chi, Bernard P. Zeigler
ACIMS, Electrical & Computer Engineering, Tucson, Arizona, USA
Intelligent Research lab, Computer Engineering, Seoul, Korea, Republic of

-Code: S083 – VEHICLE ORIGIN-DESTINATION PETRI NET: ANALYSIS TECHNIQUES
Abdellah El Moudni, A ABBAS-TURKI, O. GRUNDER
Université de technologie de Belfort, Montbeliard, France

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Track: Science & Technology

Chair:
Robert McGraw, RAM, CA USA

Session 1: Science & Technology
Wednesday 23 July 2003   Room 3   1:30 pm - 3:00 pm
Chair: Abdelkhalak El Hami, INSA Rouen, France

-Code: S009 – *JavaHASE: Automatic Generation of Applets from HASE Simulation Models*
Frederic G Mallet, Roland N Ibbett,School of Informatics, ICSA, Edinburgh, UK
Institute for System Level Integration, Livingston, United Kingdom

-Code: S072 – *Simulating General Relativity*
Stanislaw Raczynski
Universidad Panamericana, McLeod Institute for Simulation Sciences, Mexico City DF, Mexico

-Code: S085 – *Numerical simulation of a piezoelectric engine with progressive wave via a reliability technique.*
Abdelkhalak El Hami, Bouchaib Radi
INSA Rouen, Dept.Mecanique, Rouen, France - ENSAM-Meknès, BP: 4042, Béni M'Hamed, Marjane II, Meknès, Morocco

Session 2: Science & Technology
Wednesday 23 July 2003   Room 3   3:30 pm - 5:00 pm
Chair: Robert McGraw, RAM, CA USA

-Code: S092 – *Simulation in the mobile telephonymarket: price discrimination strategy under asymmetrical conditions*
Claudio Ferragine, Livio Cricelli, Nathan Levialdi, Francesca Di Pillo
University of Tor Vergata, Rome - University of Cassino, Frosinone, Italy

-Code: S093 – *Simulation of 2-Dimensional Torus Networks*
Chang-Shyh Peng
California Lutheran University, Computer Science, Thousans Oaks, CA, USA

-Code: S162 – *Impact of Wavelet Decomposition Levels on Watermarking Robustness and Invisibility*
Mohammad S. Obaidat, M. Suhail
Monmouth University, Computer Science Department, W. Long Branch, NJ, USA.
University of Bradf, EE, United Kingdom

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Track: Verification Validation & Accreditation

Chairs:
Lou Birta, MISS - Ottawa Center, ON Canada
Simone Youngblood, DMSO, USA

Session 1: VV&A
Tuesday 22 July 2003   Room 1   1:30 pm - 3:00 pm
Chair: Lou Birta, MISS - Ottawa Center, ON Canada

-Code: S076 – *Research Issues in Verification and Validation from Foundations*
D. E. Stevenson
Clemson University, Computer Science, Clemson, SC, USA

-Code: S198 – *Simulation Validation Qualitative Assessment Process Improvement*
Dale K. Pace
JHU/APL, JWAD, Laurel, MD, USA

-Code: S115 – *From DEVS to Formal Methods*
D. E. Stevenson
Clemson University, Computer Science, Clemson, SC, USA

-Code: S126 – *Verification & Validation Program at Lawrence Livermore National Laboratory: Goals, Methods, Levels, and Metrics*
Roger W Logan, Cynthia K Nitta
Lawrence Livermore Nat Nab, Mech Engr, Livermore, CA, USA

Session 2: VV&A
Tuesday 22 July 2003   Room 1   3:30 pm - 5:00 pm
Chair: Simone Youngblood, DMSO, USA

-Code: S156 – *From High-level Specifications to Event Graphs*
Norbert Giambiasi, Géraldine BLANC, Jean-Luc PAILLET
LSIS, POLYTECH, Marseille, France
LSIS,, CMI, Marseille, France

-Code: S161 – *Tailoring Verification, Validation and Accreditation of Models & Simulation Systems: Canadian DND/CF Approach*
Orhun O. Molyer1, Andrew L. Vallerand
TU Navy, DND/CF Synthetic Environment Coordination Office, Ottawa,, Ontario, Canada
DND/CF, DND/CF Synthetic Environment Coordination Office, Ottawa, Ontario, Canada

-Code: S197 – *Towards a Metric Suite for Dicrete Event Trace Validity*
Levent Yilmaz
Trident Systems Incorporated, Simulation and Software, Fairfax, VA, USA

Session 3: VV&A
Tuesday 22 July 2003   Room 2   10:30 am - 12:00 pm
Chair: Lou Birta, MISS - Ottawa Center, ON Canada

-Code: S200 – *Practical Application of Formal Methods in Modeling and Simulation*
David Richard Kuhn, Dan Craigen, Mark Saaltink
National Institute of Standards and Technology, Information Technology Laboratory, Gaithersburg, MD, USA
ORA Canada, Ottawa, Ontario, Canada

-Code: S210 – *Human Performance Model Validation: One Size Does Not Fit All*
Michael J Young
Air Force Research Laboratory, Human Effectiveness, Wright-Patterson AFB, USA

-Code: S205 – *Validating Human Behavioral Models for Combat Simulations Using Techniques for the Evaluation of Human Performance*
Simon R Goerger
Naval Postgraduate School, MOVES Institute, Monterey, CA, USA

-Code: S099 – *VV&A for Innovative Concept Design in New Vessels Simulation and Virtual Prototypes*
 Agostino G Bruzzone, Revetria Roberto
University of Genova, MISS/DIP, Genova, GE, Italy

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Track: Virtual Reality, Visualization and Simulation

Chairs:
Marielle Den Hengst, TU Delft, NL
Carlos Luis N. dos Santos, UFRJ/COPPE/PEC/LAMCE, Brasil

Session 1: VR, Visualization and Simulation
Tuesday 22 July 2003   Room 6   10:30 am - 12:00 pm
Chair: Carlos Luis N. dos Santos, UFRJ/COPPE/PEC/LAMCE, Brasil

-Code: S041 – *User Behavior in 3D Videoconferencing Applications*
Mojtaba Hosseini1, Nicolas Georganas
DISCOVERLab, University of Ottawa, School of Information Technology and Engineering, Ottawa, Ontario, Canada

Code: S127 – *Animation Model to Support Exploratory Analysis of Dynamic Environments*
Jorge A Campos, Max J Egenhofer, Kathleen Hornsby
University of Maine, Spatial Information Science & Engineering, Orono, ME, USA

-Code: S010 – *Character and Language of Scientfic Visualization: Applications in Medicine*
Klaus de Geus, José H Dometerco, Cássio A Rúbio
Copel, Tecnologia da Informação, Curitiba, PR, Brazil

Session 2: VR, Visualization and Simulation
Tuesday 22 July 2003   Room 6   1:30 pm - 3:00 pm
Chair: Carlos Luis N. dos Santos, UFRJ/COPPE/PEC/LAMCE, Brasil

-Code: S098 – *Logistics Cooperative Functional Training System based on HLA Distributed Simulation*
Agostino G Bruzzone, Roberto Mosca, Simone Viazzo, Chiara Briano, Marina Massei, Matteo Brandolini, Attilio Rocca
University of Genova, MISS/DIP, Genova, GE, Italy
Liophant Simulation Club, Savona, Italy
BRB Studio, Genova, GE, Italy

-Code: S044 – *Visualization of Data Filtered by Mathematical Formulations*
Djalma Inacio Silva1, Klaus de Geus
Universidade Tuiuti do Paraná, Matemática, Curitiba, Paraná, Brazil
Universidade Federal do Paraná, Informática, Curitiba, Paraná, Brazil

-Code: S051 – *Collaborative Immersive Visualization Environments at Oil Companies*
Carlos Luiz Nunes Dos Santos, Giuseppe Bacoccoli, Luiz Landau
COPPE/UFRJ, Civil Engineering, Rio de Janeiro, RJ, Brazil

Session 3: VR, Visualization and Simulation
Tuesday 22 July 2003   Room 6   3:30 pm - 5:00 pm
Chair: Carlos Luis N. dos Santos, UFRJ/COPPE/PEC/LAMCE, Brasil

-Code: S119 – *The use of innovative technologies in the case of the space reduction in urban environment: study of a lane keeping system*
Jean-Michel Auberlet, Antonino Tripodi, Stéphane Espie, Domenico Gattuso
INRETS, MSIS, ARCUEIL, France

-Code: S028 – Vsualization and Simulation for restoration of historical monuments through Virtual Heritage
Victorino Oliveira Neto, Carlos Luiz Nunes dos Santos
UFRJ, Escola de Belas Artes, Rio de Janeiro, RJ, Brazil
UFRJ/COPPE, Laboratório de Métodos Computacionais em Engenharia, Rio de Janeiro, RJ, Brazil

-Code: S095 – *Virtual Reality as a Training Tool in a Hospital Simulation*
Ludmila Gabcan, Carlos Luiz Nunes Santos, Luiz Landau
COPPE/UFRJ, Civil Engineering, Rio de Janeiro, RJ, Brazil

-Code: S140 – *3D Visualization of Airport Ground Information*
Xiaoyong Lei
Dept. of Automatic Control, Beijing University of Aeronautics & Astronautics, Beijing, China
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Student Workshop

Chairs:
Peter Kropf, University of Montreal, Canada
Ling Rothrock, Penn State University, USA

Session 1: Student Workshop
Monday 21 July 2003   Room 6   10:30 am - 12:00 pm
Chair: Peter Kropf, University of Montreal, Canada

-Code: S079 – *Formal Methods in the Verification and Validation of Simulation Models*
Ken E. Kennedy
Clemson University, Computer Science, Clemson, SC, USA

-Code: S139 – *Generation of DEVS Modelling and Simulation Environments*
Ernesto Posse, Jean-Sebastien Bolduc, Hans Vangheluwe
McGill University, Computer Science, Montreal, Quebec, Canada

-Code: S147 – *A Virtual Machine Supporting Multiple Statechart Extensions*
Huining Feng, Hans Vangheluwe
McGill University, Computer Science, Montreal, Quebec, Canada

Session 2: Student Workshop
Monday 21 July 2003   Room 6   1:30 pm - 3:00 pm
Chair: , Peter Kropf, University of Montreal, Canada

-Code: S167 – *Applying Cell-DEVS in models of complex systems*
Gabriel A Wainer, Javier Ameghino, Ezequiel Glinsky
Carleton University, Systems and Computer Engineering, Ottawa, ON, Canada.
Universidad de Buenos Aires, Computer Science Dept., Buenos Aires, Argentina

-Code: S175 – *Modelling a sand pile application using Cell-DEVS*
Gabriel A Wainer, Hesham Saadawi
Carleton University, Systems and Computer Engineering, Ottawa, ON, Canada

-Code: S191 – *Modeling of Maze-Solving Systems using Cell-DEVS*
Gabriel A Wainer, Kevin Lam
Carleton University, Systems and Computer Engineering, Ottawa, ON, Canada

Session 3: Student Workshop
Monday 21 July 2003   Room 6   3:30 pm - 5:00 pm
Chair: Peter Kropf, University of Montreal, Canada

-Code: S217 – *A Multiagent Frigate Movement Survival Approach*
P.Plamondon, Brahim Chaib-draa, Patrick Beaumont, Dale Blodgett, Peter Kropf
Laval University, Computer Science, Ste-Foy, Canada

-Code: S165 – *Implementing Finite State Machines Using the CD++ toolkit*
Gabriel A Wainer, Tao Zheng
Carleton University, Systems and Computer Engineering, Ottawa, ON, Canada

-Code: S154 – *Transforming Statecharts to DEVS*
Spencer C Borland, Hans Vangheluwe
McGill, Computer Science, Montreal, Canada

Student Workshop Overview
Monday 21 July 2003   Room 6   5:30 pm - 6:30 pm
Chairs:
-Peter Kropf, University of Montreal, Canada

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SCS International Technical Council Workshop: SIMPLEST
(SIMulation applications in Management, PLanning & forEcaSTing)

Chairs:
Agostino Bruzzone, DIP, Italy
Marina Massei, Liophant Simulation Club

Session 1: SIMPLEST
Monday 21 July 2003   Room 5   1:30 pm - 3:00 pm
Chair: Agostino Bruzzone, DIP, Italy

-Code: S150 – *Specifying and Simulation of Reactive Knowledge Based Systems*
Claudia Frydman, Lucile Torres, Aguinaldo Garrido de Ceita
LSIS, marseille, France

-Code: S172 – *A Supervised Multi-Agent Architecture for APS in multi-site production systems for demand validation and evaluation*
Flavio Tonelli, Massimo Bernocco, Maurizio Schenone, Filippo Queirolo
University of Genoa, DIP, Genoa, Italy
ATOMOS, Savona, Italy
Politecnico di Torino, Torino, Italy

-Code: S173 – *Application of Simulation to Small Enterprise Management & Logistics*
Simone Simeoni, Marina Massei
Liophant Simulation Club, Savona, Italy
DIP University of Genoa, DIP, Genoa, Italy

Session 2: SIMPLEST Council Meeting
Monday 21 July 2003   Room 5   3:30 pm - 5:00 pm
Chair: Agostino Bruzzone, DIP, Italy

Session 3: SIMPLEST Invited Talk: AI & Simulation
Wednesday 23 July 2003   Room 6   10:30 am - 12:00 pm
Chair: Agostino Bruzzone, DIP, Italy
Speaker: Prof.Claude Frasson, University of Montreal, Canada

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LESNEX Workshop
(LEan Simulation Network of Excellence)

Chair:
Stefano Saetta, University of Perugia, Italy

Session 1: LESNEX
Tuesday 22 July 2003   Room 5   3:30 pm - 5:00 pm
Chair: Stefano Saetta, University of Perugia, Italy

-Code: S176 – *Modeling and Simulation of the supply chain: a problem of preventive transshipment*
Stefano Saetta, Lorenzo Tiacci
Università degli Studi di Perugia, Dipartimento di Ingegneria Industriale, Italy

-Code: S177 – *A Methodology to Reduce Data Collection in Lean Simulation Modelling for the Assembly Line Balancing Problem*
Stefano Saetta, Lorenzo Tiacci, Andrea Martini
Università degli Studi di Perugia, Dipartimento di Ingegneria Industriale, Italy

-Code: S192 – *An application of a finite MRP procedure based on simulation*
Tommaso Rossi, Nicola Saccani, Luigi Uglietti
University LIUC, Castellanza, Italy
University of Brescia, Dept. Of Mechanical Engineering, Brescia, Italy
Politecnico di Milano, Department of Management Engineering, Milano, Italy

Session 2: LESNEX Panel Discussion
Tuesday 22 July 2003   Room 5   5:30 pm - 7:00 pm
Chair: Agostino Bruzzone, DIP, Italy

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Standards Workshop

Chair:
Peggy Gravitz, Aegis Technologies Group, Inc., USA
Steve Swenson NUWC, U.S. Navy, USA

Session 1: Standards
Wednesday 23 July 2003   Room 1   10:30 am - 12:00 pm
Chair: Peggy Gravitz, Aegis Technologies Group, Inc., USA
-Code: S025 – *Discrete Event Modeling and Simulation of Distributed Architectures using the DSSV Methodology*
Fabrice Bernardi, Emmanuelle De Gentili, Jean-François Santucci
University of Corsica, SPE, UMR CNRS 6134, Corte, France

-Code: S024 – *Domain Management in a Hierarchical Generic Models Library*
Fabrice Bernardi, Jean-François Santucci
University of Corsica, SPE, UMR CNRS 6134, Corte, France

-Code: S007 – *The Layer of Interest Oriented To HLA*
 Zhong Zhou, Wei Wu
Beihang University, Computer Science and Technology, Beijing, Beijing, China

Session 2: Standards
Wednesday 23 July 2003   Room 1   1:30 pm - 3:00 pm
Chair: Steve Swenson, NUWC, U.S. Navy, USA
-Code: S133 – *A Comparative Analysis of UML and IDEF0 for Modeling and Simulation*
Brian Goldiez, Jose A Sepulveda
U. Central Florida, Institute for Simulation and Training, Orlando, FL, USA

-Code: S155 – *Hybrid System Modeling Using Generalised Discrete Event Specification G-Devs*
Abdelaziz Naamane, Norbert Giambiasi, Sumit Ghosh
Ecole Polytechnique Unversitaire De Marseille, Lsis, Marseille, France - Stevens Institute of Technology, N.Y., USA

-Code: S018 – *Towards a UML Profile For HLA Federation Design, Part II*
Okan Topcu, Halit Oguztuzun, Mark G. Hazen
Defense Research and Development, Virtual Combat Systems, Dartmouth, Nova Scotia, Canada -Middle East Technical University, Computer Engineering Department, Ankara, Turkey

Session 3: Standars Panel Discussion
Wednesday 23 July 2003   Room 1   3:30 pm - 5:00 pm
Chairs: Peggy Gravitz, Aegis Technologies Group, Inc., USA
Steve Swenson, NUWC, U.S. Navy, USA

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