

Final Program



7-9 June 2004



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General Information

1. Conference Location

The Conference is being held at the University of Malaga,
Escuela Tecnica Superior de Ingenieria Informatica
Campus de Teatinos
Bulevar Louis Pasteur n° 35
29071 Malaga, Spain
Tel : (+34) 952 132 842
Fax : (+34) 952 132 673

The registration desk will be placed in the vicinity of the rooms at the University from Monday morning onwards, where registration will start. On Monday and Tuesday registration will be from 8.15 a.m. - 5.00 p.m. with Wednesday registration only from 8.30 a.m.- 10.00. a.m.

ALL MAPS ARE AT THE BACK OF THIS PROGRAMME

For AIRPORT Information
Aeropuerto de Málaga
Avenida García Morato s/n,
29004 Málaga
e-mail : lutrilla@aena.es
web: <http://www.aena.es/aeropuertos/malaga/index.htm>
Phone: +34.952 24 00 00.
Iberia offices. Reservations: +34.952 21 37 31.
Information: 952 13 61 66.
Aviaco: 952 30 08 63.

To get to the University from Malaga Centre

To go direct to the University take Bus number 20. (direction of University and the main hospital of Malaga) The bus stop is in the "Alameda Principal", very near the location of the hotels (about 50 meters)

2. Badges

Each registrant will receive a name badge upon registration. The badge must be worn,, in order to be admitted to the technical sessions, lunches and social event.

3. Tickets

Extra tickets for the social event and lunches are available from the registration desk. Price: (or equivalent in another currency) for extra tickets

conference dinner:	50 EURO	
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General Information

4.Registration

The ISC'2004 Registration Desk will be open for information and registration:

Monday, June 7..... 8.15 a.m. to 5.00 p. m.
Tuesday, June 8 8.15 a.m. to 5.00 p. m.
Wednesday, June 9 8.30 a.m. to 10.00 a.m.

The location of the registration desk will be signposted from the bus stop onwards

5. Conference Proceedings

Each fully paid registrant will be provided with a copy of the Conference Proceedings (printed format) **This is NOT applicable to students who are not authors.** (Extra copies, are available on a cash and carry basis at special rates during ISC'2004)

Price:(or equivalent in another currency) for an extra copy

ISC'2004 Proceedings	50 EURO
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6. Meeting Rooms

The meeting rooms are distributed as follows:

Salón de grados A (Room A)
Salón de grados B (Room B)
First Floor (Room C, D y E)

7. Need Help?

Please see the conference desk for your questions

8. Social Events and Lunches

All registrants are invited to

The **get-together party** on Monday June 7th at 6.00 p.m. at the University of Malaga

All **lunches** are served at the restaurant at the University of Malaga

The Conference Dinner

All participants are invited to the conference dinner on Tuesday the 9th of June. As we need to give an exact number of participants we would appreciate **your confirmation at the desk before Monday evening.** The conference dinner will be organized by Lepanto catering at 8.00 p.m. (an exact plan will be posted at the registration desk)

General Information

9. Company Visit



A guided visit is envisaged on Tuesday the 8th of June to the Malaga Science Park.

<http://www.pta.es>

This visit is open to a limited number of attendees, who are free at that time to do the visit. The visit will only be open to those people, who pre-registered for the tour. This can be done till 12.00 on Monday the 7th of June.

The bus for the Science Park will leave the University at 2.00 p.m. on Tuesday afternoon.

Best Paper Award

During the conference the papers, which were accepted as extended papers will be judged by the committee in order to choose the best paper of the ISC'2004 conference.

ALL SESSION CHAIRPERSONS IN THIS PROGRAM ARE PROVISIONAL

THE NUMBERS NEXT TO THE PRESENTATIONS DENOTE THE PAGE-NUMBERS IN THE PROCEEDINGS. IF NO NUMBERS ARE MENTIONED THEN THIS PAPER IS NOT PUBLISHED IN THE PROCEEDINGS

THE AUTHORS WHO ARE UNDERLINED ARE NORMALLY THE PRESENTERS

PAPERS IN GREY BOXES ARE THE EXTENDED PAPERS ELIGIBLE FOR THE BEST PAPER AWARD

CHECK OUT THE OTHER EUROSIS EVENTS ON OUR WEBSITE:

<http://biomath.rug.ac.be/~eurosis> and <http://www.eurosis.org>

MONDAY, 7th JUNE 2004

08.15-17.00	REGISTRATION				
09.30-10.00	OPENING SESSION IN THE MAIN HALL				
10.00-10.30	COFFEE BREAK				
10.30-12.30	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	OTHER
	SIMULATION TOOLS I	ENERGY CONTROL SYSTEMS SIMULATION	TRAFFIC SIMULATION	INTERNET ROOM	
12.30-14.00	LUNCH BREAK				
14.00-15.00	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	OTHER
	SIMULATION IN ROBOTICS	STEAM GENERATOR SIMULATION	SUPPLY CHAIN SIMULATION I	INTERNET ROOM	
15.00-15.30	COFFEE BREAK				
15.30-18.00	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	SIMULATION METHODS AND TECHNIQUES	VALIDATION	SUPPLY CHAIN SIMULATION II	INTERNET ROOM	BACK-UP SESSION
18.00 GET-TOGETHER-PARTY					

TUESDAY, 8th JUNE 2004

08.30-17.00	REGISTRATION				
09.00-10.00	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	MANUFACTURING SIMULATION	SUPPLY CHAIN SIMULATION III	FIBRE TEXTILE APPLICATIONS	INTERNET ROOM	DEMOS
10.00-10.30	COFFEE BREAK				
10.30-12.30	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	HUMAN BEHAVIOUR MODELLING	POWER PLANT SIMULATION	PRODUCT PLANNING IN TEXTILE PROCESSES	INTERNET ROOM	MOSAIC UPDATE
12.30-14.00	LUNCH BREAK				
14.00-15.00	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	OTHER
	SIMULATION IN DESIGN I	SIMSERV SESSION	MODELS FOR TEXTILE APPLICATIONS	INTERNET ROOM	COMPANY VISIT from 14.00
15.00-15.30	COFFEE BREAK				
15.30-18.00	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	OTHER
	SIMULATION IN DESIGN II	AUTOMOTIVE BASED SIMULATION I	TEXTILE PENETRATION PROCESSES	INTERNET ROOM	COMPANY VISIT
20.00	CONFERENCE DINNER				

WEDNESDAY 9th JUNE 2004

08.30-10.00	REGISTRATION				
09.00 10.00	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	COMPLEX SYSTEMS SIMULATION	ELECTRONICS PRODUCTION SIMULATION	AUTOMOTIVE BASED SIMULATION II	INTERNET ROOM	BACK-UP SESSION I
10.00-10.30	COFFEE BREAK				
10.30 12.30	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	AIRPORT TRANSPORT FLOW SIMULATION	ELECTRONICS SIMULATION SOFTWARE	CHEMICAL SIMULATION	INTERNET ROOM	
12.30-12.45	CLOSING SESSION AND BEST PAPER AWARD ROOM A				

NOTES

Monday, 7th June 2004

HALLWAY

Registration

08.15 - 17.00

MAIN HALL

09.30 – 10.00

Opening ISC2004 and Welcome

Welcome Address

Dr. Javier Marin

UPV

ISC'2004, General Conference Chair

Philippe Geril

EUROSIS, Ghent University

EUROSIS Coordinator

Welcome

Monday, 7th June 2004

10.00 - 10.30
COFFEE BREAK

10.30 – 12.30

ROOM A- 10.30-12.30 **METH**
SIMULATION TOOLS
Chair: Jaroslav Sklenar, University of Malta, Malta

NA-5-METH
Tool condition monitoring in cutting processes using hybrid neural network based sensor fusion strategy
Abderrazak El Ouafi.....31

NA-8-TOOLS
Selected Problems of Effect Analysis and Safety Assessment of Commands given by the Operator of the Technological Device using Artificial Neural Networks
Wojciech Kacalak and Maciej Majewski..... 35

NA-25-METH-WATER
An Information Processing Tools for the Management of Natural Water Systems
Naghmeh Keshavarzi-Roonizi, Rahim Ghorashi and Vahid Nassehi 40

NA-14-METH
Fuzzy Control in Agriculture: Simulation Software
Calixto Escobar and José Galindo..... 45

ROOM B- 10.30-12.30 **ENERGY**
ENERGY CONTROL SYSTEMS MANAGEMENT
Chair: Janos-Sebestyen Janosy, KFKI, Budapest, Hungary

ENERGY-1
Application of Multi-Agent Technology to Fault Diagnosis of Power Distribution Systems
Jusong Yang, Brian Carse, Mohammad Montakhab, Anthony G. Pipe and Terence S. Davies 265

ENERGY-2
Models and Methods of Designing the Intelligent Decision Support Systems for Managing a Power Block
Vadim N. Vagin and Alexander P. Yeremeyev 272

Monday, 7th June 2004

ENERGY-5

Comparison of Open-Loop Stiffness Control Methods to suppress Self-Excitation Vibrations

Jerzy Smyczek and Konrad Zajkowski 278

NA-12-ENERGY

Modeling of the Flashover of the Polluted Electric Insulator

El Ouni Abdelaziz, Mikhaïl Javoronkov, Ghodbane Fethi, Chaabane Abdelaziz and Belakhdar Zohra. 282

ROOM C- 10.30-12.30

TRAF

TRAFFIC SIMULATION

Chair: Hans Veeke, TU Delft, Delft, The Netherlands

TRAF-2

Application of Reflective Models of a Transitive System

Thierry Coudert, Pascal Berruet and Eugene Kindler..... 289

TRAF-8

An Individually-based Model for Traffic Simulation in Virtual Environments

Tao Ruan Wan and W. Tang..... 294

TRAF-11

Analysis of Urban Traffic Using Queueing Networks

Ciro D'Apice and Rosanna Manzo 299

TRAF-7

Simulation Analysis of AGV System Performance in Container Port Terminals

Martin Grunow, Hans-Otto Günther, Axel Ehren and Matthias Lehmann 304

ROOM D- 10.30-12.30

INTERNET

INTERNET ROOM

12.30 - 14.00

LUNCH BREAK

Parallel Sessions - Monday

Monday, 7th June 2004

14.00 – 15.00

ROOM A- 14.00-15.00

ROBOTICS

SIMULATION IN ROBOTICS

Chair: Jaroslav Sklenar, University of Malta, Malta

ROBOT-2-COMPLEX-AGENT

Computing with Activities IV: Chunking and Aspect Integration of Complex Situations by a New Kind of Kohonen Map with an integrated long term Memory Structure

Matthias Reuter and Sabine Bostelmann 153

ROBOT-1-NEURAL

GMDH Type Neural Networks and Their Application to the Identification of the Inverse Kinematic Equations of Robotic Manipulators

Ahmad Bagheri, Nader Nariman-Zadeh, Ardavan Sufi Siavash

and Alireza Khoobkar 158

ROOM B- 14.00-15.00

ENERGY

STEAM GENERATOR SIMULATION

Chair: Endre Vegh, KFKI, Budapest, Hungary

ENERGY-6

Simulation of the Steam Turbine in Matlab Environment

Milan Cepák 251

NA-29-ENERGY

Quasi 2D Steam Generator Modelling with MODELICA

Cecile Avenas, Daniel Bouskela, Ugo Schuck, Thomas Freude

Olivier Hascoët and Nicolas Desvignes 256

ROOM C- 14.00-15.00

LOGIS

SUPPLY CHAIN SIMULATION I

Chair: Jaap Ottjes, TU Delft, Delft, The Netherlands

TRAF-1

An Industrial Supply Chain Simulation Model

PJ Byrne and Cathal Heavey 311

Monday, 7th June 2004

TRAF-3

Evolutionist Algorithm for a Supply Chain Management in Agro-food Industries

Sana Koubaa , Emna Gargouri and Slim Hammadi..... 319

ROOM D- 14.00-15.00
INTERNET ROOM

INTERNET

15.00 - 15.30
COFFEE BREAK

15.30 - 18.00

ROOM A- 15.30-18.00

METH

SIMULATION METHODS AND TECHNIQUES

Chair: Javier Marin, University of Malaga, Malaga, Spain

METH-1

Using Timed Petri Nets in Discrete Simulation

Jaroslav Sklenar and Etienne Caruana 7

MET-6-ANA

Output Analysis of Cyclical Simulations

Rita Marques Brandao and Acacio M. O. Porta Nova 12

METH-7

A sparse orthogonal Factorization Technique for certain stiff systems of linear ODEs

Pablo Guerrero-Garcia and Angel Santos-Palomo..... 17

NA-10-METH

Formalized World Viewings – a way to Nested Simulation

Eugene Kindler, Ivan Krivy and Alain Tanguy 20

NA-18-METH

Drawing Processes Simulation: Comparison between UpperBound and Finite Element Method Solutions

Eva M. Rubio, Cristina González, Ana M. Camacho and Rosario Domingo 25

Parallel Sessions - Monday

Monday, 7th June 2004

ROOM B- 15.00-18.00

METH

VALIDATION

Chair: to be announced later

VAL-1

Rossy: A Tool for Symbolic Simulation of Hybrid Systems

Elke Tetzner, Wolfgang Lohmann and Günter Riedewald 379

VAL-4

Automating Part of the Model Verification Process

Rob Walker, Habtom Mebrahtu and Tony Mileham 384

NA-26-TOOLS-EVAL-TRAF

Techniques for the spreadsheet development of professional models

Hervé Thiriez..... 389

NA-28-EVAL

An Integrated Simulation and Verification Environment in Support of the System Life Cycle

Mike Rennie, Vicente Fernandez and Augusto Caramagno 392

METH-5-ELEC-ANA

Performance Evaluation of Multi-server Queues with Station and Server Vacations

Nawel Gharbi and Malika Ioualalen 397

ROOM C- 15.00-18.00

LOGIS

SUPPLY CHAIN SIMULATION II

Chair: Hans Veeke, TU Delft, Delft, The Netherlands

TRAF-9

Reliability of Large Scale Conveyor Systems: A Simulation Approach

Jaap A. Ottjes and Gabriel Lodewijks..... 324

TRAF-10

Analysis of Supply Chain Disruptions Using Simulation

Ioannis S.Papadakis..... 330

Monday, 7th June 2004

NA-4-SCHED

Distributed Application for Supply Chain Management Training

J. Manuel Feliz Teixeira, António E. S. Carvalho Brito and Richard Saw..... 335

TRAF-15-STUDENT-LOGISTICS

Simulation of a Supply Chain with a Logistical and Economical Approach

Alejandra Gomez-Padilla 340

NA-38-TRAF

**New Algorithms for trajectory optimisation of Displacement of Tools and Objects
in the Production Systems**

Tomasz Szatkiewicz, Tomasz Królikowski, Błażej Bałasz and Wojciech Kacalak 349

**ROOM D- 16.00-18.30
INTERNET ROOM**

INTERNET

**ROOM E- 16.00-18.00
BACK-UP SESSION**

BACK-UP

Chair: to be announced later

This session is set up for those authors who could not present their papers in the allocated time-slots.

Parallel Sessions - Monday

Tuesday, 8th June 2004

HALLWAY

Registration

08.15 - 17.00

08.45 – 10.45

ROOM A- 08.45-10.15

MANUF

MANUFACTURING SIMULATION

Chair: Johannes Krauth, SIMSERV Services, Bremen, Germany

NA-1-MANUF

Using HIL Simulation to Set Up and Test the Controller of a New Try Out Hydraulic Press

Joseba Landaluze, Aron Pujana, Leire Maruri, Carlos F. Nicolás and Ana Martínez 53

NA-32-MANUF

The Simulation of Polishing Processes as Basis for designing New Grinding Tools

Wojciech Kacalak, Sławomir Makuch, Błażej Bałasz and Robert Cincio..... 61

NA-34-MANUF

Modeling and Analysis of Local Energy Variation in Grinding Zone in the Perspective of the Surface Area Quality

Tomasz Królikowski, Błażej Bałasz, Tomasz Szatkiewicz and Wojciech Kacalak 66

ROOM B- 09.00-10.00

LOGIS

SUPPLY CHAIN SIMULATION III

Chair: Jaap Ottjes, TU Delft, Delft, The Netherlands

NA-41-TRAF-LOG

Simulation of robotized food packaging lines

Hans P.M. Veeke and Gabriël Lodewijks 343

NA-24-SCHED-TRAF

A Multi-Echelon System's simulation Model for Repairable and Consumable items Management

M. Elisa Cunha, Ana Paula Póvoa and J. Assis Lopes..... 353

Tuesday, 8th June 2004

ROOM C- 09.00-10.00

TEX

FIBRE TEXTILE APPLICATIONS

Chair: Vladan Koncar, GEMTEX-ENSAIT, Roubaix, France

TEX-10-NA

Nonlinear Modelling of Fibre Spinning aimed at faster production and Product Development

Abhay Bulsari, Ali Harlin and Arja Puolakka..... 465

TEX-9

Electromechanical and Morphological Properties of PET conductive Polymer Fibers – Modelling and Simulation

Bohwon Kim, Vladan Koncar and Pascal Bruniaux 472

ROOM D- 09.00-10.00

INTERNET

INTERNET ROOM

ROOM E- 09.00-10.00

DEMOS

DEMOS

This session is open to all those wishing to show demos of their software.

10.00 - 10.30

COFFEE BREAK

10.30 - 13.00

ROOM A- 10.30-12.30

HUMAN

HUMAN BEHAVIOUR MODELLING

Chair: Peter Lawrence, Monash University, Clayton, Australia

NA-19-ELEC

Analysis and Modelling of Multiuser Realtime Internet Applications

Qili Zhou, Peter Astheimer and Colin J. Miller 405

TRAF-5

Understanding Risk Taking Behavior of Reckless Drivers through Fuzzy Logic

Tarik Ozkul 410

Tuesday, 8th June 2004

NA-40-MANUF-HUMAN

On the Need for Human Performance Modelling in the Simulation of a Balanced Production Line

Peter Lawrence 415

METH-8-HUMAN

A System Dynamics Approach: Higher Education System in Turkey

Zehra Kamışlı Öztürk and Servet Haşgül 420

ROOM B- 10.30-12.00

ENERGY

POWER PLANT SIMULATION

Chair: Janos Sebestyén Janosy, KFKI, Budapest, Hungary

ENERGY-4

Object-oriented library for Thermal Power Plant Simulation

Francesco Casella and Alberto Leva 233

ENERGY-7

Programmed Training Scenarios in Power Plants Simulators

Endre Vegh and Laura Burger 238

ENERGY-8

An Experience Report: RT-CORBA in Nuclear Power Plant Simulators

Manuel Díaz and Daniel Garrido 243

ROOM C- 10.30-12.30

TEX

PRODUCT PLANNING AND SCHEDULING IN TEXTILE PROCESSES

Chair: Vladan Koncar, GEMTEX-ENSAIT, Roubaix, France

TEX-12

Simulation in the textile industry: production planning optimization a.k.a. PipPO

Gianluigi Ferraris and Matteo Morini 429

TEX-4

A textile supply chain management requirement: improvement of sales forecasting

Sébastien Thomassey, Michel Happiette and Jean-Marie Castelain 437

TEX-5

A simulation-based scheduling system and its implementation in a Textile operation

Jeffrey A. Joines, Kristin A. Thoney, Russell E. King and Thom J. Hodgson 442

Tuesday, 8th June 2004

ROOM D- 10.30-12.30
INTERNET ROOM

INTERNET

ROOM E- 10.30-11.00
MOSAIC

MOSAIC

Chair: Philippe Geril, Ghent University, Ghent, Belgium

An update will be given on the MOSAIC project proposal, plus participants are invited to come and present projects they are now working on and for which they are looking for partners.

12.30 - 14.00
LUNCH BREAK

14.00 - 15.00

ROOM A- 14.00-15.00
SIMULATION IN DESIGN I

DESIGN

Chair: Eugene Kindler, Ostrava University, Ostrava, Czech Republic

DES-1

**MARPET: Multi-sensory simulator for Assessment of virtual Rapid Prototypes
in dEntistry insTrumentation**

Francisco Serrano Arrones and Antonio Díaz Estrella 97

NA-TEX-13-MANUF-GRAPH

Virtual Workshop for Milling Process Simulation

Haslina Arshad, Che Hassan Che Haron, Syaimak Abdul Shukor,

Shahrul Azman, Mohd Noah” Rosilah Hassan, Zainal Rasyid Mahayuddin 100

Parallel Sessions - Tuesday

Tuesday, 8th June 2004

ROOM B- 14.00-15.00

SIMSERV

SIMSERV

Chair: Johannes Krauth, SIMSERV Services, Bremen, Germany

SIMSERV-1

How to stimulate wider use of Simulation in European Industry?

The answer of Sim-Serv

Johannes Krauth and Kaj Juslin 489

SIMSERV-2

Experiences from Sim-Serv's Project Work: The Kaeser Case

Wilfried Krug, Sven Pullwitt and Johannes Krauth 494

SIMSERV-3

Power plant Simulation over the Web

Carl-Johan Fogelholm, Antti Komulainen and Jonnes Kraut 501

ROOM C- 14.00-15.00

TEX

MODELS FOR TEXTILE APPLICATIONS

Chair: Vladan Koncar, GEMTEX-ENSAIT, Roubaix, France

TEX-16-NA

Geometric Pre-Processor for the Calculation of Physical Properties of Textiles

Martin Sherburn, Francois Robitaille, Andrew Long and Christopher Rudd 479

TEX-3

Capturing Shape and Complexity of Tailored Apparel within a 3D CAD Framework

Marzia Fontana, Umberto Cugini, Rossella Mana and Caterina Rizzi 523

ROOM D- 14.00-15.00

INTERNET

INTERNET ROOM

OTHER- 14.00-17.00

COMPANY VISIT

COMPANY VISIT

A visit is envisaged to the Malaga Science Park

Tuesday, 8th June 2004

15.00 - 15.30

COFFEE BREAK

15.30 - 17.30

ROOM A- 15.30-17.30

DESIGN

SIMULATION IN DESIGN II

Chair: Eugene Kindler, Ostrava University, Ostrava, Czech Republic

NA-35-DES-GRAPH

Development Environment for Design of 3D Applications with Force Feedback

Ernesto Jesús de la Rubia-Cuestas and Antonio Díaz-Estrella 105

NA-16-GRAPH

Continuous Motion Trajectory Generation for 3D Simulation

H. Chen, T. R. Wan and R.A. Earnshaw 108

NA-27-GRAPH-MANUF-DES

Application of Simulation and Graphic Animation Techniques to the Study of Manufacturing Processes

Manuel Sánchez-Carrilero, José Miguel Sánchez-Sola, Mariano Marcos,

Miguel Ángel Sebastián and Eva Rubio 509

NA-39-DES

A Multiobjective Decision Support System for optimization in engineering design

Sixto Rios Insua, Alfonso Mateos, Antonio Jimenez and Luis C. Rodriguez 512

ROOM B- 15.30-17.30

AUTO

AUTOMOTIVE BASED SIMULATION

Chair: Edward Williams, Production Modeling Corp., Dearborn, USA

AUTO-1

Prediction of the Efficiency of an Automotive oil Strainer; Comparison of experiments with Numerical Simulations

Sydney Tekam, Marc Demoulin and Virginie Daru 115

AUTO-2-STUDENT

Development of the ECU for the RSBW using a HILS system

Woo-Je Sung, Seung-Kyu Oh, Tong-Jin Park and Chang-Soo Han 120

Parallel Sessions - Tuesday

Tuesday, 8th June 2004

NA-22-AUTO

Simulation of a State Observer Based Control of a vehicle Seat

Charles Stammers and Tudor Sireteanu 129

NA-27-MANUF-EVAL-AUTO

Improving the Manufacture of Extruded Window Seals via Simulation

Marcelo Zottolo and Edward Williams 134

ROOM C- 15.30-17.00

TEX

TEXTILE PENETRATION PROCESSES

Chair: Vladan Koncar, GEMTEX-ENSAIT, Roubaix, France

TEX-1

Modeling the Transport of Organic Solvents through Protective Clothing

Juan P. Hinestroza, Daniel De Kee and Pratap Puri 449

TEX-14

Numerical Study of Fluid Flow in Package Dyeing

R Shamey and X Zhao 453

TEX-15

Diffusion of Disperse Dyes into Supermicrofibres

K. H. Park and V. Koncar 458

ROOM D- 15.30-17.30

INTERNET

INTERNET ROOM

CONFERENCE DINNER at 8.00 p.m.

All participants will meet at a designated point, which will be indicated at the conference desk.

The conference dinner itself will be organized by Lepanto catering.



Wednesday, 9th June 2004

HALLWAY

Registration

08.30 - 10.00

08.30 – 10.00

ROOM A- 08.30-10.00

COMPLEX

COMPLEX SYSTEMS SIMULATION

Chair: Peter Lawrence, Monash University, Clayton, Australia

COMPLEX-2

Augmented Reality for Factory Monitoring

Alessandro Genco 73

NA-23-COMPLEX

Neural networks based tools for precedence criteria definition in infrastructures maintenance management

Abhijit Deshmukh, Lorenzo Fedele and Giuseppe Fiacco..... 81

COMPLEX-3-GRAPH

Granula System Models for Real-Time Simulation

Marta Pla-Castells, Ignacio García and Rafael J. Martínez 88

ROOM B- 08.30-10.00

ELECTRON

ELECTRONICS PRODUCTION SIMULATION

Chair: Javier Marin, University of Malaga, Malaga, Spain

ELEC-4

Evaluation of Workpiece Roundness Error in a Turning Operation: An Assessment of Computational Algorithms by Using Simulated Data

Massimo Pacella, Alfredo Elia and Alfredo Anglani..... 169

ELEC-7

Design and Operation of Automated material Handling Systems for IC wafer Semi-Conductor Manufacturing

Jairo R.Montoyes, Leon Vermarien, Jean-Pierre Campagne and Helene Marian 175

Wednesday, 9th June 2004

NEW-2

A Petri Net Application: Modelling a High Complexity IC Design Process

Raquel Fernández-Ramos, Jorge Romero-Sánchez, Francisco Ríos-Gómez,
José Martín-Canales, Javier Marín-Martín and Antonio I. Molina-Conde 180

ROOM C- 09.00-10.00

AUTO

AUTOMOTIVE BASED SIMULATION

Chair: Edward Williams, Production Modeling Corp., Dearborn, USA

NA-6-AUTO

Spatial Multibody Modeling and Vehicle Dynamics Analysis of a Future Military Truck System Concept

Michael D. Letherwood, David D. Gunter, David J. Gorsich and Jose Mabesa Jr. 139

NA-9-AUTO

Modeling and Simulation Techniques for US Army ground Vehicle Systems

Jose R. Mabesa Jr., Aleksander Kurec and David Gorsich..... 147

ROOM D- 09.00-10.00

INTERNET

INTERNET ROOM

ROOM E- 09.00-10.00

BACK-UP

BACK-UP SESSION

Chair: to be announced later

This session is set up for those authors who could not present their papers in the allocated time-slots.

10.00 - 10.30

COFFEE BREAK

Wednesday, 9th June 2004

10.30 - 12.00

ROOM A- 10.30-12.00

TRAFFIC

AIRPORT TRANSPORT FLOW SIMULATION

Chair: Hans Veeke, TU Delft, Delft, The Netherlands

TRAF-17

Passenger and Baggage Flow in an Airport Terminal; a Flexible Simulation Model

Lorenzo Brunetta and Giorgio Romanin-Jacur 361

NA-42-TRAF-16

New Concepts in Baggage Operations for Narrow Body airplanes: A Simulation Study

J. A. Ottjes, J.C. Rijsenbrij, E.B.C. Koelemeijer and B.M. Snick 366

NA-36-TRAF-MGMT

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**SEE YOU ALL
NEXT JUNE AT THE FRAUNHOFER INSTITUTE IPK
FOR ISC'2005
IN BERLIN, GERMANY**

NOTES

Conference Site Maps

Conference Site Maps



Plan of the University of Malaga



Location in relation to the city

Conference Site Maps



Malaga City Centre



Malaga Harbour Area

Conference Site Maps



Malaga Harbour Area 2



EUROSIS was borne out of discussions with the European Community to set up a new kind of Society, which would be project driven instead of driven by pure membership and conferences.

The aim of the new Society will be to set up topic related Technical Committees which will link directly to European Projects in the field of computer simulation and related areas and to act as a knowledge pool for future European Networks of Excellence, like MOSAIC, etc...

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