

FINAL PROGRAM



24-26 October 2011



Universidade do Minho

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General Information

1. Conference Location

The **ESM'2011 Conference** is being held





On the -1 Floor (minus one) of

[Hotel de Guimaraes](#)

Rua Eduardo Manuel de Almeida

4801-911 Guimarães, Portugal

 Tel: +351.253 424 800

 Fax: +351.253 424 899

 Email: hg@hotel-guimaraes.com

 Email: comercial@hotel-guimaraes.com

The registration desk will be placed in the hallway on the minus one (-1) floor from Monday morning October the 24th onwards, where registration will start at 08.00 and will end at 5.00 p.m. on Tuesday October 25th registration will be from 8.30 a.m. - 5.00 p.m. with Wednesday registration only from 8.30 a.m.- 9.00. a.m. The way to the conference and desk will be signposted.

ALL MAJOR MAPS ARE AT THE BACK OF THIS PROGRAMME

How to reach the conference location in Guimarães:

By Plane-Bus and Metro to the Porto main station

When travelling by plane to Guimaraes the nearest airport will be Porto. Porto is served by [Francisco Sa Carneiro Airport \(IATA: OPO\)](#) which is located some 15km to the north-west of the city centre. From the airport you can take the metro [Line E of Porto Metro](#), linking it to downtown Porto and Sao Bento station. [STCP Buses](#) link the airport and the city. Individual fare is EUR 1.20. Bus line number 56 takes you from the airport to Porto centre (every 20 minutes).

The [Porto Metro system](#). has at present five lines: lines A (blue), B (red), C (green) and E (purple) all begin at Estadio do Dragao (home to FC Porto) and terminate at Senhor do Matosinhos, Pavia de Varzim (via Vila do Conde), ISMAI (via Maia) and Francisco Sa Carneiro airport respectively. All lines intersect at the central Trindade station.

By Bus and Train from Porto

From the centre of Porto you may take a bus to Guimarães at Parque da Maguanha (close to Trindade), where the Bus Station to Guimarães is located. Porto's main [railway](#) station is situated in Campanha, on the main line to Lisbon. From here, both metro and suburban rail services go to the city centre. The main central station is at São Bento, which is itself a notable attraction. Guimarães is 50 km from Porto.

General Information

Exit the main trainstation and turn left. The hotel is located some 5 mins walkf from the main entrance.

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

Extra conference dinner	€ 60 plus 23% VAT
Extra lunch ticket	€ 25 plus 23% VAT

4. Registration

The ESM'2011 Registration Desk will be open for information and registration:

Monday, October 24 8.00 a.m. to 5.00 p. m.
Tuesday, October 25 8.30 a.m. to 5.00 p. m.
Wednesday, October 26 8.30 a.m. to 9.00 a.m.

The location of the registration desk will be signposted

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 and who have not fully registered.**

(Extra copies are available on a cash and carry basis at special rates during ESM'2011)

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

ESM'2011 Proceedings CASH AND CARRY	€ 50 plus 23% VAT
-------------------------------------	-------------------

6. Meeting Rooms

The ESM'2011 conference will be held in three meeting rooms on the minus one floor of the Guimaraes Hotel. **They are designated A, B and C** in this programme. The way to the rooms will be signposted. WIFI-Internet will be available. Information at the conference

General Information

7. Need Help?

Please see the conference desk for your questions

8. Social Events and Lunches

All registrants are invited to

All **Coffee Breaks** are served in the -1 hallway in front of the meeting rooms. The lunches are served in **Sala Guimarães situated in the ground floor on the reception level. Participants need to show their badge at the entrance of the restaurant.**

Guided tour of Guimarães on Monday evening from 18.30 to 20.00 (we will leave as two groups from the Guimarães)

The Conference Dinner

All participants are invited to the conference dinner on **TUESDAY** the 27th of October. As we need to give an exact number of participants we would appreciate **your confirmation at the desk before Monday evening.**

9. Room Legend

The parallel meeting rooms will be designated **ROOM A, B and C**. Signposts will indicate the way to each room.

10. 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 ESM'2011 conference.

General Information

Session Chairs information

ALL SESSION CHAIRPERSONS IN THIS PROGRAM ARE PROVISIONAL

Session Chairs are chosen on a voluntary basis by proposals by either authors or local committee members or are appointed by the Track Chairs, General Program Chair or General Conference Chair. They are responsible for their assigned session. They make sure their speakers are available, take care of the timing within the session, chair the discussion after each presentation and introduce each speaker based on the CV's given to them by the authors. **If a session chair is not available then the first author takes on the responsibility to chair** In case they chair a session featuring **extended papers**, then they are required to distribute and collect the reviews of that or those papers at the beginning and end of the session. If they have time they should also indicate in their papers the number of session participants.

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://www.eurosis.org>

MONDAY, 24th OCTOBER 2011

08.00-17.00	REGISTRATION		
08.45-09.15	OPENING SESSION AND WELCOME BY THE DEAN OF THE ENGINEERING SCHOOL, DIRECTOR OF THE INFORMATICS DEPARTMENT AND VICE-DIRECTOR OF ALGORITMI RESEARCH CENTRE IN ROOM A		
09.15-10.00	KEYNOTE ADDRESS BY JOSE NEVES IN ROOM A		
10.00-10.30	COFFEE BREAK		
10.30-12.30	PARALLEL SESSIONS		
	ROOM A	ROOM B	ROOM C
	DISCRETE SIMULATION METHODOLOGY	MEDICAL SIMULATION	BUSINESS SIMULATION I
12.30-14.00	LUNCH BREAK		
14.00-15.00	PARALLEL SESSIONS		
	ROOM A	ROOM B	ROOM C
	VEHICLE TRAFFIC SIMULATION	MEDICAL DECISION SUPPORT SYSTEMS I	BUSINESS SIMULATION II
15.00-15.30	COFFEE BREAK		
15.30-18.00	PARALLEL SESSIONS		
	ROOM A	ROOM B	ROOM C
	ELECTRONICS ENGINEERING SIMULATION	MEDICAL DECISION SUPPORT SYSTEMS II	INDUSTRIAL DECISION MAKING AND OPTIMIZATION
18.30-20.00	GUIDED TOUR OF GUIMARÃES		

TUESDAY, 25th OCTOBER 2011

08.30-17.00	REGISTRATION		
09.00-10.00	KEYNOTE ADDRESS BY ANDRE GAGALOWICZ IN ROOM A		
10.00-10.30	COFFEE BREAK		
10.30-12.30	PARALLEL SESSIONS		
	ROOM A	ROOM B	ROOM C
	SOFTWARE DEVELOPMENT TOOLS	FLUID FLOW SIMULATION	LOGISTICS PROBLEMS SIMULATION
12.00-14.00	LUNCH BREAK		
14.00-15.00	PARALLEL SESSIONS		
	ROOM A	ROOM B	ROOM C
	DEVS	WASTEWATER SIMULATION	GPS BASED SIMULATION
15.00-15.30	COFFEE BREAK		
15.30-18.00	PARALLEL SESSIONS		
	ROOM A	ROOM B	ROOM C
	DISTRIBUTED AND PARALLEL SIMULATION	TUTORIAL BUSINESS INTELLIGENCE AND DATA MINING WITH R TOOL	WAREHOUSE SIMULATION ESM'2012 MEET AND GREET
20.00 – 23.00	CONFERENCE DINNER		

WEDNESDAY, 26th OCTOBER 2011

08.30-09.00	REGISTRATION		
09.00 10.00	PARALLEL SESSIONS		
	ROOM A	ROOM B	ROOM C
		DISASTER MANAGEMENT	INVENTORY LOGISTICS
10.00-10.30	COFFEE BREAK		
10.30 11.30	PARALLEL SESSIONS		
	ROOM A	ROOM B	ROOM C
		MULTIAGENT SIMULATION	TRANSPORT SIMULATION
11.30-11.45	CLOSING SESSION AND BEST PAPER AWARD ROOM B		

NOTES

Welcome

Monday, 24th October 2011

HALLWAY

Registration

08.00 - 17.00

ROOM A

08.45 – 09.15

Opening ESM'2011 and Welcome

Welcome Address

Paulo Novais and José Machado
University of Minho
ESM'2011 General Conference Chairs

Professor Paulo Pereira, Dean of the Engineering School
Professor Luís Soares Barbosa, Director of the Informatics Department
Professor Ricardo Machado, Vice-Director of Algoritmi Research Centre

09.15 – 10.00

KEYNOTE SPEECH

Chair: Paulo Novais, University of Minho, Braga, Portugal



Evolutionary Intelligence in Agent Modelling
José Neves, University of Minho, Braga, Portugal

Monday, 24th October 2011

10.00 - 10.30
COFFEE BREAK

10.30 – 12.30

ROOM A- 10.30-12.30 **METH**
DISCRETE SIMULATION METHODOLOGY
Chair: José Neves, University of Minho, Braga, Portugal

DSMT_02
An Easy Extendable Modeling Framework for Discrete Event Simulation Models and their Visualization
Hendrik Renken, Christoph Laroque and Matthias Fischer 5

METH_04
Regression Based Metamodeling Approach for Nonstationary Simulation Output Analysis
Rita Marques Brandão and Acácio M. O. Porta Nova..... 14

DSMT_04
Comparison of Monte Carlo Methods through a Case Study
Megdouda Ourbih-Tari, Abdelnasser Dahmani and Latifa Ourbih-Baghdali..... 20

METH_10_PETRI
ActivityDiagram2PetriNet: Transformation-Based Model in Accordance with the OMG SYSML Specifications
Damien Foures, Vincent Albert and Jean-Claude Pascal..... 429

ROOM B- 10.30-12.30 **MEDICINE**
MEDICAL SIMULATION
Chair: José Machado, University of Minho, Braga, Portugal

ENV_02
Spatial Simulation of a (H1N1) Influenza Virus Spreading Comparison with Regional Data
Luc Touraille, Amandine Letagneaux, Damien Mouly, Alain Leroy, Delphine Bas, Julien Keruzec, Claude Mazel, Alexandre Muzy and David R.C. Hill 365

Monday, 24th October 2011

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Latest advances in the simulation of the removal of blood clots by a newly developed mechanical thrombectomy device

G. Romero, I. Moreno, M.L. Martínez, G. Pearce and N.D. Perkinson 373

ENV_04_BIO

Simulation Approach for Systems Radiation Biology

David Sarramia, Lydia Maigne, Vincent Breton, Laurent Deroussi and

Benjamin Louvet..... 381

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A Moral Decision Support System in Medicine

Gabriel Pontes, Ana Duarte, David Cuevas, Maria Salazar, Miguel Miranda,

António Abelha and José Machado 387

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BUS

BUSINESS SIMULATION

Chair: Ciprian Dobre, University Politehnica, Bucharest, Romania

METH_09

Storyboards Method and Structured Shot

David Ježek and Svatopluk Štolfa 99

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Trust Model for Social Network

Arnostka Netrvalova and Jiri Safarik..... 102

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Simulations

Štěpán Kuchař, Jan Martinovič and Tomáš Kocyan 108

BUS_01

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Liberato Camilleri and Lara Marie Azzopardi 112

12.30 - 14.00

LUNCH BREAK

Monday, 24th October 2011

14.00 – 15.00

ROOM A- 14.00-15.00 **TRAF**

VEHICLE TRAFFIC SIMULATION

Chair: Maria do Sameiro Carvalho, University of Minho, Portugal

LOGIS_13

Autonomous Vehicles Simulation: A Comprehensive review

José L. F. Pereira and Rosaldo J. F. Rossetti 217

LOGIS_03

Utilisation of Computer Simulation for testing additional Support for Dispatching Rail Traffic

Jan Fikejz and Antonín Kavička..... 225

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MEDICAL DECISION SUPPORT SYSTEMS I

Chair: Cesar Analide, University of Minho, Portugal

ENV_08_HOS

Digital Clinical Guidelines Modelling

Tiago Oliveira, Ângelo Costa, João Neves and Paulo Novais 392

ENV_09_HOS

AASYS - Appointment Alert System: An Open Source-Based Software to improve Show Rates in a Health Care Unit

Hugo Peixoto, José Machado, António Abelha, José Neves, António Correia and Manuel F.Santos..... 399

ROOM C- 14.00-15.00 **BUS**

BUSINESS/INDUSTRIAL SIMULATION

Chair: Jose Antonio Oliveira, University of Minho, Portugal

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Using Data Mining for Bank Direct Marketing: An Application of the Crisp DM Methodology

Sérgio Moro, Raul M. S. Laureano and Paulo Cortez..... 117

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A Simulation Study of a Multi-Site Production Plant using ARENA
António Carvalho Brito, Carlos Bragança de Oliveira and Paulo Sá Marques..... 125

15.00 - 15.30
COFFEE BREAK

15.30 - 18.00

ROOM A- 15.30-18.00 **ELEC**
ELECTRONICS ENGINEERING SIMULATION
Chair: Paulo Cortez, University of Minho, Guimarães, Portugal

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Modeling of the Advanced Spin Transfer Torque Memory: Macro and Micromagnetic Simulations
Alexander Makarov, Viktor Sverdlov, Dmitry Osintsev, Josef Weinbub and Siegfried Selberherr..... 177

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Ciprian Dobre 182

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NS-3 Simulation and Management of WiMAX and LTE Networks with NSDL
Eduardo M.D. Marques, Jorge J.F. Sousa and Paulo N.M. Sampaio..... 190

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Real-Time Simulation of Automated Mechanical Transmissions
Marius Bataus, Daniela Vasiliu and Nicolae Vasiliu..... 168

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A Survey on Complexity Sciences and their Modeling Techniques
Morteza Mahmoudzadeh and Javad Jassbi 27

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MEDICAL DECISION SUPPORT SYSTEMS II
Chair: Paulo Novais, University of Minho, Braga, Portugal

Monday, 24th October 2011

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Latifa Dekhici, Alain Tanguy and Khaled Belkadi 404

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Object trajectory simulation - An evolutionary approach

Pedro Goncalves, Luciano Alves, Tiago Sá, Cesar Quintas, Miguel Miranda, António Abelha and José Machado 409

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Towards Intelligent Drug Electronic Prescription

Júlio Duarte, João Neves, Alexandra Cabral, Marco Gomes, Vitor Marques, Manuel Filipe Santos, António Abelha and José Machado 414

INTEL_03

Enabling Real-time Intelligent Decision Support in Intensive Care

Filipe Portela, Manuel Filipe Santos, Pedro Gago, Álvaro Silva, Fernando Rua, António Abelha, José Machado and José Neves 419

ROOM C- 15.30-18.00

IND

INDUSTRIAL DECISION MAKING

Chair: Matthias Klumpp. FOM, Essen, Germany

METH_06

MDE in Action: First Steps towards a Crop Model Factory

Guillaume Barbier, François Pinet and David R.C.Hill 130

METH_07

Use of the Belief Theory to formalize Agent Decision-Making Processes: Application to cropping Plan Decision-Making

Patrick Taillandier and Olivier Therond 138

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Investigating the Perfect Separation on Binary Outcomes coded in Decision Making Patterns for Pace Rating

Peeradaech Suwittayaruk and Dirk Van Goubergen 145

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Sérgio Oliveira, José A. Oliveira, Luís S. Dias and Guilherme Pereira 150

Monday, 24th October 2011

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**A Simulation of Allocation of the Power Reserve in the Power System and
Microgrid containing Renewables**

Eugeniusz M. Sroczan..... 155



**18.30 - 20.00
GUIDED TOUR
OF
GUIMARÃES**

**We leave as 2 groups on foot from the
Hotel de Guimaraes for the tour at
18.30 p.m.**

FREE EVENING

Tuesday, 25th October 2011

HALLWAY

Registration

08.30 - 17.00

09.00 – 10.00

ROOM A- 09.00-10.00

INV

INVITED PRESENTATION

Chair: Paulo Novais, University of Minho, Braga, Portugal



INV

**Faithful digital 3D reconstruction of large cities using
Computer Vision/Computer Graphics collaboration
techniques**

André Gagalowicz

10.00 - 10.30

COFFEE BREAK

10.30 - 12.30

ROOM A- 10.30-12.30

SOFT

SOFTWARE DEVELOPMENT TOOLS

Chair: Paulo Novais, University of Minho, Braga, Portugal

METH_08

**Basic Constructions for the Definition of the Software Development Process
with Formal Methods**

Jan Kožusznik and Svatopluk Štolfa..... 45

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**System Dynamic Simulation Approach of Software Development Process in
Haskell**

Jan Kožusznik 48

Tuesday, 25th October 2011

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**Simulation as a decision Support Tool in Maintenance Float Systems –
 The Automatic Generation of Simulation Programs**
Francisco Peito, Guilherme Pereira, Armando Leitão and Luis Dias 53

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Ufuoma Bright Ighoroje and Mamadou Kaba Traoré 61

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FLUID FLOW SIMULATION
 Chair: José Machado, University of Minho, Portugal

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I. Prisecaru, S. Nicolici, D. Dupleac and I. P. Niță 309

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Ramon R.H. Schifflers, Edwin Zondervan, Jacobus E. Rooda and
André B. de Haan 314

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**Modeling, Simulation and Dynamic Identification of the Electro Hydraulic
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Bogdan Mihalescu, Constantin Călinoiu and Nicolae Vasiliu..... 320

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Joaquim Tinoco, António Gomes Correia and Paulo Cortez 326

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LOGISTICS PROBLEMS SIMULATION
 Chair: Antonio Carvalho Brito, University of Porto, Portugal

METH_11
**An Empirical Evaluation of Martins' Algorithm for the Multi-Objective Shortest
 Path Problem**
Gerrit K. Janssens and Jose Maria Pangilinan 252

Tuesday, 25th October 2011

ANMT_02

An exact Algorithm for the Full Truckload Pick-Up and Delivery Problem with Time Windows: Concept and Implementation Details

Gerrit K. Janssens and Kris Braekers..... 257

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Green Bullwhip Effect Simulation Concept

Matthias Klumpp..... 263

AGENT_03

Goal-Based Agents in Material Flow Simulations –Integration of an Agent Programming Framework in the Discrete Event Simulator D³FACT

Alexander Klaas, Christoph Laroque, Hendrik Renken and Wilhelm Dangelmaier..... 266

12.30 - 14.00

LUNCH BREAK

14.00 - 15.00

ROOM A- 14.00-15.00

PAR

DEVS

Chair: António Abelha, University of Minho, Braga, Portugal

HPCN_01

An Objective Driven Framework for Discrete Event Simulation of Continuous Systems

V.Albert and A.Nketsa 434

HPCN_07_DEVS

A Generic Methodology to DEVS Parallel and Distributed Simulation

Adedoyin Adegoke and Mamadou K. Traoré..... 91

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WASTE

WASTE WATER SIMULATION

Chair: Nicolae Vasiliu, Politehnica University of Bucharest, Romania

Tuesday, 25th October 2011

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Comparative Modeling of Hydraulic Load of Water and Wastewater Networks

Jan Studzinski 333

ENV_07

Modeling and simulation of technological wastewater neutralization system in the brewing industry

Andrzej Urbaniak, Wojciech Góra and Rafał Brodziak..... 338

ROOM C- 14.00-15.00

GPS

GPS BASED SIMULATION

Chair: Gerrit Janssens, Hasselt University, Hasselt, Belgium

GPS_01

GPS Based Real-Time Transport Control for Production Network Scheduling Simulation

Matthias Klumpp and Christof Kandel..... 235

GPS_02

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Christian Wick, Matthias Klumpp and Christof Kandel..... 240

15.00 - 15.30

COFFEE BREAK

15.30 – 18.00

ROOM A- 15.30-17.00

PAR

DISTRIBUTED AND PARALLEL SIMULATION

Chair: Vincent Albert, University of Toulouse, LAAS, Toulouse, France

HPCN_04

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Jean-Baptiste Chaudron, Martin Adelantado, Eric Noulard and Pierre Siron..... 69

HPCN_05

Warp-Level Parallelism: Enabling Multiple Replications In Parallel on GPU

Jonathan Passerat-Palmbach, Jonathan Caux, Pridi Siregar, Claude Mazel and David R.C. Hill 76

Tuesday, 25th October 2011

HPCN_08_LOGIS

Simulation Based Evaluation of QOS Guided Scheduling for Distributed Computing in Large Environments

Florin Pop 84

ROOM B- 15.30-18.00

TUT

TUTORIAL

Chair: Paulo Cortez, University of Minho, Guimarães, Portugal



TUT

Business Intelligence and Data Mining with the R Tool

Participants to the tutorial are required to bring their notebook to the tutorial and to have downloaded a copy of R-Tool from <http://www.r-project.org/> (all packages and all dependencies)

ROOM C- 15.30-17.00

LOGIS

WAREHOUSE SIMULATION

Chair: Matthias Klumpp, FOM, Essen, Germany

LOGIS_09

Simulation in the Warehouse Design and Management Context: A Survey

Carla A. S. Geraldes, Maria Sameiro Carvalho and Guilherme A B Pereira..... 275

LOGIS_12

An Integrated Approach for Warehouse Design and Planning

Carla A. S. Geraldes, Maria Sameiro Carvalho and Guilherme A. B. Pereira..... 281

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Humanitarian Logistics Depot Location Model

Christof Kandel, Hella Abidi and Matthias Klumpp 288

ROOM C- 17.00-17.30

ESM'2012

ESM'2012 ORGANIZATIONAL PRESENTATION AND MEETING

Chair: Matthias Klumpp, FOM, Essen, Germany

All participants are invited to meet and greet the ESM'2012 organizers

Tuesday, 25th October 2011

CONFERENCE DINNER – 20.00 -23.00

All participants are invited to the conference dinner which will be held from 20.00 to 23.00. Participants will be informed about the location at the conference.

Wednesday, 26th October 2011

HALLWAY

Registration

08.30 - 09.00

09.00 – 10.00

ROOM B- 09.00-10.00

DISASTER

DISASTER MANAGEMENT

Chair: Manuel Felipe Santos, University of Minho, Portugal

ENV_03_HOS

Simulating Medical Disasters with Realistic Victim Profiles

Christophe Ullrich, Filip Van Utterbeeck, Erwin Dhondt and Michel Debacker 349

ENV_05

Climate Change Vulnerability Assessment with constrained Design of Experiments, using a Model Driven Engineering Approach

Romain Lardy, Gianni Bellocchi, Bruno Bachelet and David R.C. Hill 354

ROOM C- 09.00-10.00

LOGIS

INVENTORY LOGISTICS

Chair: Guilherme Pereira, University of Minho, Portugal

DSMT_01

Workload Control Methods Stability

Nuno O. Fernandes and S. Carmo-Silva 297

LOGIS_06

Simulation as Tool to estimate the Homogenization Efficiency of Bulk Material Handling

Mark B. Duinkerken, Dingena L. Schott, Jos T. van der Geest, Paul Stoop and Gabriel Lodewijks 300

10.00 - 10.30

COFFEE BREAK

Wednesday, 26th October 2011

10.30 - 11.30

ROOM B- 10.30-11.30 **AGENT**
MULTIAGENT SIMULATION
Chair: Paulo Novais, University of Minho, Braga, Portugal

AGENT_02
Multi-Hierarchical-Agent Based Modelling Simulation Framework
 Carlos Bragança de Oliveira and António Carvalho Brito 33

METH_AI_03
Cartography of Multi-Agent Model Parameter Space through a reactive Dicotomous Approach
Patrick Taillandier and Frédéric Amblard..... 38

ROOM C- 10.30-11.30 **TRANS**
TRANSPORT SIMULATION
Chair: Paulo Cortez, University of Minho, Portugal

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A Simulation Approach to Support the Design of Flexible Transport Systems
Ana Dias, José Telhada and Maria Sameiro Carvalho 201

LOGIS_15
Mathematical Model and Industrial Application of Four Index Transportation Problem
 Michel Gourgand, Tuyet-Hoa Pham and Alain Tanguy 209

ROOM A 11.30 - 11.45 **BEST PAPER**
CLOSING SESSION AND BEST PAPER AWARD
Chair: Paulo Novais, University of Minho, Braga, Portugal

EUROISIS
Philippe Geril, EUROISIS, Ostend, Belgium

ESM'2012



SEE YOU ALL

**OCTOBER 22-24, 2012
FOR ESM'2012**

**At the FOM University of Applied Sciences, October 22-24,
2012, Essen, Germany**

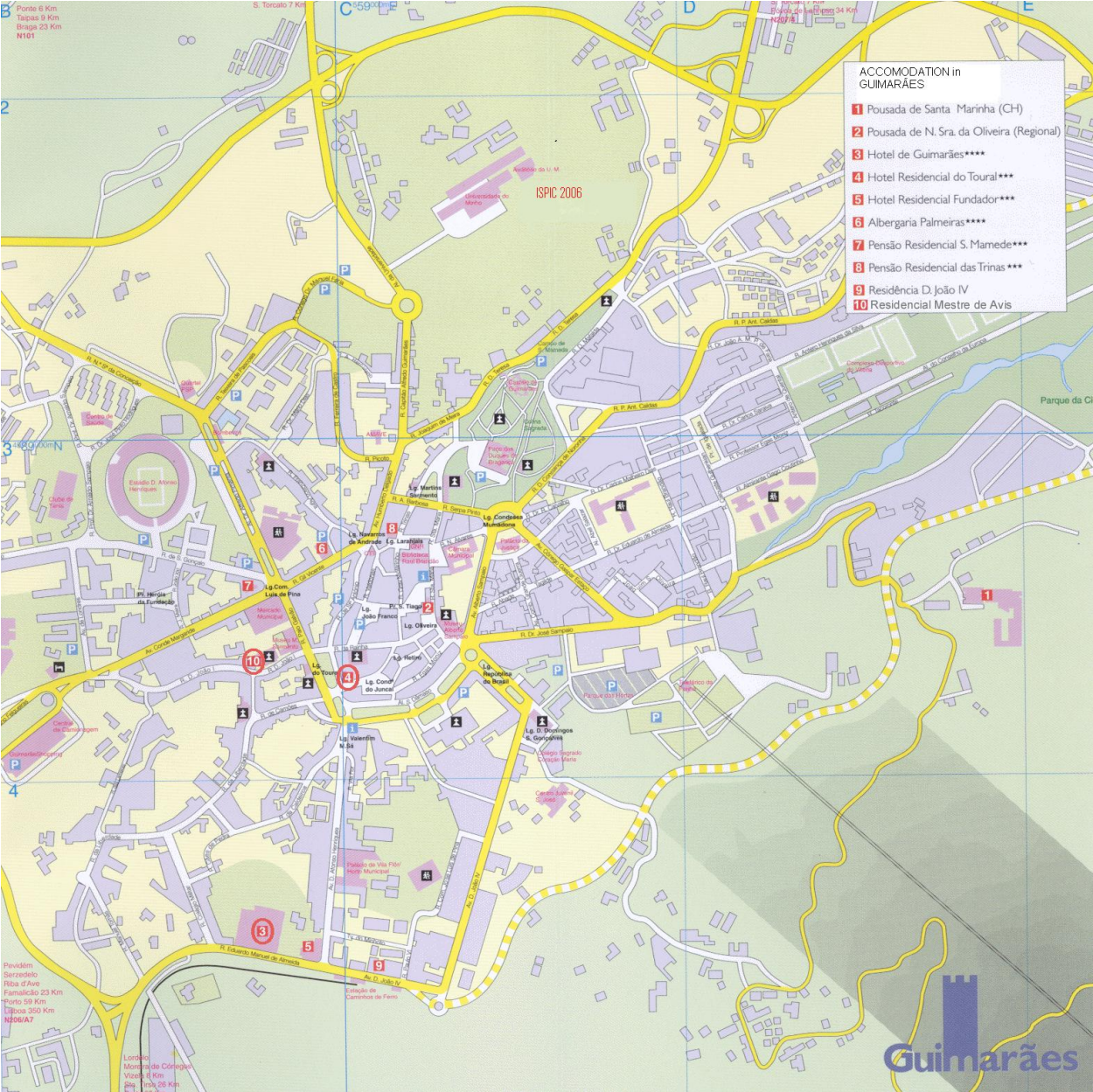
**Track proposals and tutorial proposals can be sent in by
January 30th, 2012**

**Information on all 2012 EUROSIS
Events can be found on
<http://www.eurosis.org>**

ESM'2012 - FOM-Essen Germany

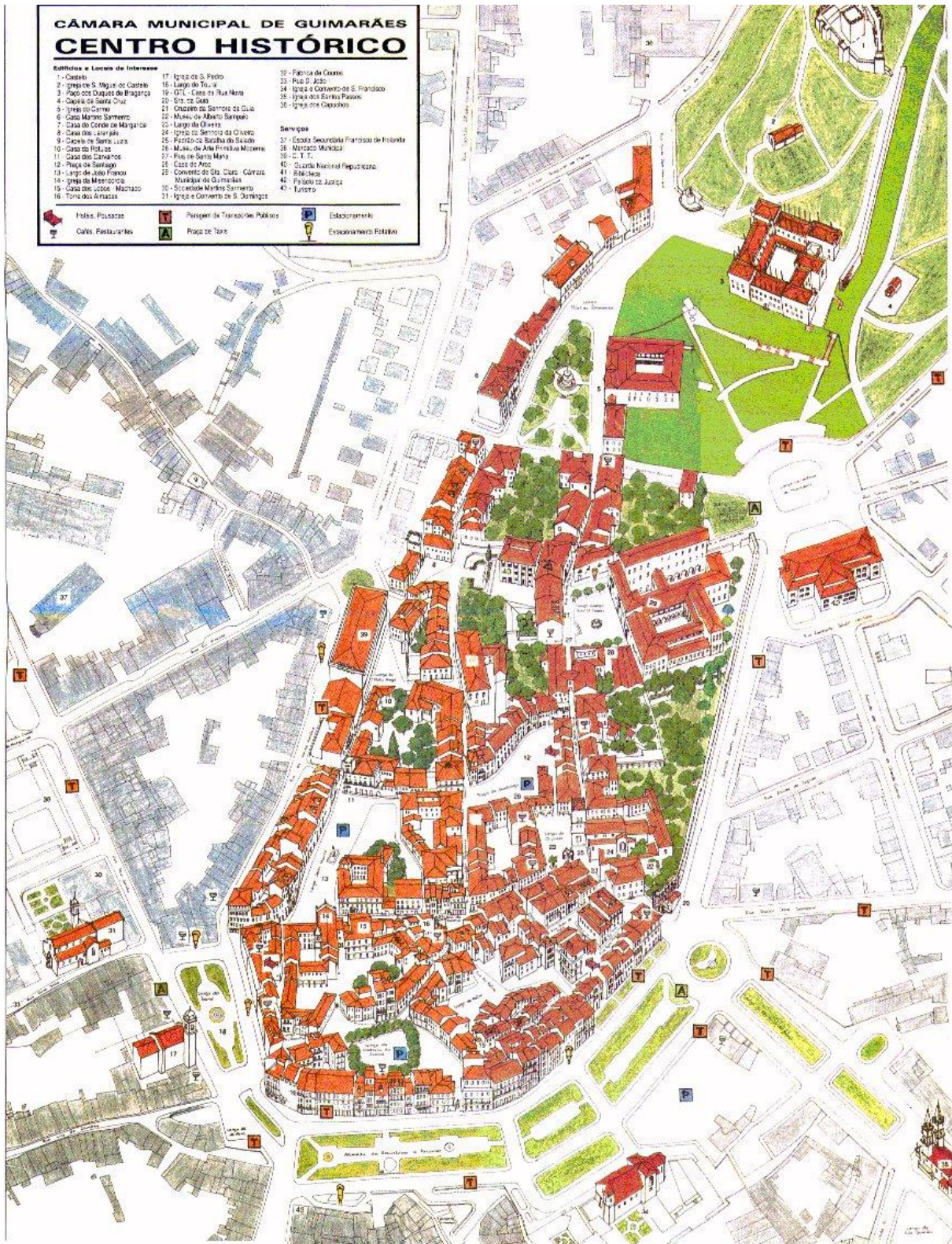
Conference Site Maps

HOTEL LOCATION & TRAVEL INFO



Nr 3 is the Location of Hotel de Guimarães next to the railway station at the bottom left of this map

Conference Site Maps



The historic centre of Guimarães map

eurosis

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 Society is 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.

If you would like to receive more information about EUROSIS, please contact

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