FINAL PROGRAM



22-24 October 2014



Universidade do Porto

Faculdade de Engenharia

FEUP

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Universidade do Minho

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1. Conference Location

The **ESM'2014 Conference** is being held at the Faculty of Engineering (FEUP) University of Porto



Faculdade de Engenharia da Universidade do Porto Rua Dr. Roberto Frias 4200-465, Porto Portugal ✓ Tel: +351 225081639 ✓ Email: <u>secdegi@fe.up.pt</u> (put ESM'2014 in the subject line)

The registration desk will be placed in the hallway on the ground floor from Wednesday morning October the 22nd onwards, where registration will start at 08.00 and will end at 5.00 p.m. On Thursday October 23rd registration will be from 8.30 a.m. - 5.00 p.m. with Friday registration only from 9.00 a.m.-9.30. 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 Porto:

By Plane

Porto is served by <u>Francisco Sa Carneiro Airport (IATA: OPO)</u> which is located some 15km to the north-west of the city centre. The airport is served by <u>Line E of Porto Metro</u>, linking it to downtown Porto, pendolino trains and Estadio do Dragao, and by transfer to other urban centres of Greater Porto: in Verdes station to Vila do Conde and Pavoa de Varzim (using line B), Fonte do Cuco station to Maia (line C), and Senhora da Hora station to Matosinhos (line A).

<u>STCP Buses</u> link the airport and the city. Individual fare is EUR 1.20. AEROBUS is a relatively fast connection between the Airport and downtown Porto, including the city's leading Hotels, every 30 minutes, from 07h45m till 19h15m. The fare is EUR 4.00 and the ticket is valid on all STCP lines, until midnight of the same day. There is also a bus service to/from Vigo (Galiza/Spain) twice a day on weekdays, and once a day during the weekend.

The average fare for a taxi between the Airport and the city centre is around EUR 20.00. Volumes exceeding 55x36x20cm which need to be carried in the luggage compartment are charged EUR 1,50

By Train

Porto's main <u>railway</u> 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 Sao Bento, which is itself a notable attraction.

By Bus

The city has an extensive bus network run by the <u>STCP (Sociedade dos</u> <u>Transportes Colectivos do Porto, or Porto Public Transport Society)</u> which also operates lines in the neighbouring cities of Gaia, Maia and Gondomar. Search for a bus-stop of the bus number 6, which takes you direct to the University.

By Metro

The <u>Porto Metro system</u>. 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, Pavoa de Varzim (via Vila do Conde), ISMAI (via Maia) and Francisco Sa Carneiro airport respectively. Line D (yellow) currently runs from Hospital S. Joao in the north to Joao de Deus on the southern side of the Douro river. The lines intersect at the central Trindade station.

This is the best way for reaching the conference. FEUP is about 300 m away from the final station. Take the Metro YELLOW line (Line D) in the centre of the town in the direction of "P. Universitario" and get out on this last stop.

The system uses the <u>"Andante" ticketing system</u>, the first fully contactless ticketing system used in public transportation in the world. See a map for help <u>here</u>

You can download copies of the metro maps here. Map 1 \square or Map 2 \square

By Taxi

<u>Taxicabs</u> are available throughout the city and are recognizable as cream sedans (usually Mercedes-Benz models). Within the city, the rates charged are those shown in the meter at the end of the ride. For other areas the fare is calculated at 0.35 EUR per Km after leaving the city limits. Any tolls (round trip) are paid by the client. On Saturdays, Sundays and national holidays, and Monday to Friday between 10 p.m. and 6 a.m., a 20% rate applies to normal fares.

Two companies working in the Porto area are:

- Radio Taxis Os Unidos Tel: 225029898
- Invicta Radio Taxis do Porto Tel: 225076400

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
Extra lunch ticket	€ 25

4. Registration

The ESM'2014 Registration Desk will be open for information and registration:

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'2014**)

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

ESM'2014 Proceedings CASH AND CARRY	€ 50
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6. Meeting Rooms

The ESM'2014 conference will be held in **rooms designated A, B and C** in this programme. You will find an overview of the meeting room numbers at the back of this programme and in the scientific overview pages.

The way to the rooms will be signposted. WIFI-Internet and electrical connections are available in every room. WIFI login information will be available from the registration desk.

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 hallway in front of the meeting rooms. The lunches are served in **the INEGI restaurant**.

The Conference Dinner

All participants are invited to the conference dinner on **THURSDAY** the 23rd of October. As we need to give an exact number of participants we would appreciate **your confirmation at the desk before Wednesday evening**. The dinner will be held at:



Restaurant Abadia Rua Ateneu Comercial do Porto 22 4000 Porto, Portugal Prel: <u>+351 22 200 8757</u>

9. Room Legend

The parallel meeting rooms will be designated **ROOM A B and C (The room legend can be found at the back of this programme and in the overview itself)**. Signposts will indicate the room number above each door.

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'2014 conference.

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

WEDNES	DAY, 22 nd OCTOBER 2014		
08.00-17.00	REGISTRATION		
09.00-09.15	WELCOME BY ANTONIO CARVALHO BRITO – ESM'2014 CONFERENCE CHAIR - ROOM A		
09.15-10.00	KEYNOTE ADDRESS BY JERZY R	ESPONDEK - ROOM A - B032	
10.00-10.30	COFFEE BREAK		
10.30-12.30	PARALLEL SESSIONS		
	ROOM A B032	ROOM B B120	ROOM C B338
	SIMULATION METHODOLOGY	ELECTRONIC NETWORKS SIMULATION	FLUID FLOW SIMULATION
12.30-14.00	LUNCH BREAK		
14.00-15.00	KEYNOTE ADDRESS BY ANDREW ELLIOTT - ROOM A - B032		
15.00-15.30	COFFEE BREAK		
15.30-18.00	PARALLEL SESSIONS		
	ROOM A B032	ROOM B B033	ROOM C B029
	HARDWARE SIMULATION	ROAD TRAFFIC AND LOGISTICS SIMULATION I	ENERGY MANAGEMENT I
18.30	FREE EVENING		

08.30-17.00	REGISTRATION		
09.00-10.00	KEYNOTE ADDRESS BY JAAP VA	N DEN HERIK - ROOM A - A104	
10.00-10.30	COFFEE BREAK		
10.30-12.30	PARALLEL SESSIONS		
	ROOM A A104	ROOM B B231	ROOM C B338
	SIMULATION SOFTWARE TOOLS	ROAD TRAFFIC AND LOGISTICS SIMULATION II	PRODUCTION STREAMLINING SIMULATION
13.00-14.00	LUNCH BREAK		
14.00-15.00	PARALLEL SESSIONS AND VISIT TO INEGI		
	ROOM A A104	ROOM B B231	ROOM C B338
	FIRE SIMULATION	TUTORIAL	ENERGY MANAGEMENT II
15.00-15.30	COFFEE BREAK		
15.30-18.00	PARALLEL SESSIONS		
	ROOM A A104	ROOM B B231	ROOM C B338
	DATA SIMULATION AND LEARNING SYSTEMS	MANAGEMENT SIMULATION	MANUFACTURING OPTIMIZATION
20.00 – 22.30	CONFERENCE DINNER at Abadia		

FRIDAY,	24 th OCTOBER 2014		
09.00-09.30	REGISTRATION		
09.30-10.00	COFFEE BREAK		
10.00 12.00	PARALLEL SESSIONS		
	ROOM A B032	ROOM B A104	ROOM C B338
	FINANCIAL SIMULATION	HOSPITAL LOGISTICS	MOTION SIMULATION
12.00-12.15	CLOSING SESSION AND BEST PA	PER AWARD ROOM A B032	

Notes

NOTES

HALLWAY

Registration

08.00 - 17.00

ROOM A – B032 09.00 – 09.15 Opening ESM'2014 and Welcome

Welcome Address

Antonio Carvalho Brito FEUP University of Porto ESM'2014 General Conference Chair

João Manuel Tavares FEUP University of Porto ESM'2014 General Conference Chair

ROOM A-B032 09.15-10.00KEYNOTEKEYNOTE SPEECHChair: Antonio Carvalho Brito, FEUP – University of Porto, Portugal



Tree data structures in the synthesis of effective computational algorithms with special focus on algorithms operating on the special matrices <u>Jerzy Respondek</u>, Silesian University of Technology, AEI Faculty, Dept. of Computer Science, Gliwice, Poland

10.00 - 10.30 **COFFEE BREAK**

10.30 - 12.30

ROOM A - B032 - 10.30-12.30 SIMULATION METHODOLOGY

METH

Chair: Antonio Carvalho Brito, FEUP – University of Porto, Portugal

OPT 09

Accelerating the Convergence of Parameter Search Techniques during Simulation based Optimization by Dimension Reduction Methods Raphael-Elias Reisch, Christian Schröder and Christoph Laroque 13

Towards Holistic Modeling and Simulation of Discrete Event and Individual	
Based Behavior	
Nikolaus Furian, Dietmar Neubacher, Siegfried Vössner,	
Michael O'Sullivan and Cameron Walker 2	20

METH 11

Causality Test for Non Stationary Time Series

METH 10

Modell	elling the Temperature and pH Decline Early	/ Post-Mortem of Beef
Carcas	asses	
<u></u>	ing Varian Unarda Canadas Daman	

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Cristina Xavier, Ursula Gonzales-Barron,
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ROOM B- B120 - 10.30-12.00 **ELECTRONIC NETWORKS SIMULATION**

ELECTRO

Chair: Carlos Bragança de Oliveira, FEUP – University of Porto, Portugal

METH 08

Co-Simulation of Complex Multi-Physics Systems: Aeronautical Example Romaric Guillerm, Hamid Demmou,

AGENT_05 Multi-Agent Solution for a Self Mediator Sensor Network Anton Ivaschenko and Anton Minaev	209
TOOLS_02 A Simulation Framework for Testing Collaborative P2P/ISP Traffic Engineering Mechanisms Pedro Sousa	213
ROOM C- B338 - 10.30-12.30 FLUID FLOW SIMULATION Chair: Jan Studzinski, Polish Acad. of Sciences, Warsaw, Pola	FLUID ind
FLUID_01 Modeling and simulation of the CANDU 6 containment using Ansys (<u>R. Arsene</u> , I. Prisecaru, D. Dupleac and S. Nicolici	
FLUID_02 A Contribution to the Computational Fluid Dynamics Simulation of Manufacturing Tolerances in Process Industry and their Impact on th Symmetry of the Solutions Peter Farber, Karin Farber, Nadine Kaczmarkiewicz, <u>Sebastian Krick</u> , Norman Kroppen and Youssef Marhoussi	
FLUID_04 A Computational Fluid Dynamics Investigation of Condensation in Greenhouses Nico Decker, Karin Farber, Peter Farber, Jens Gräbel, <u>Sebastian Krick</u> and Peer Ueberholz	
BIO_01 Simulation of Collateral Flow Concept Embodied in a Circuit Based M Henrikas Pranevicius, <u>Darius Naujokaitis</u> , Vytautas Pilkauskas, Osvaldas Pranevicius and Mindaugas Pranevicius	
12.30 - 14.00 LUNCH BREAK	

14.00 - 15.00

ROOM A- B032 - 14.00-15.00KEYNOTEKEYNOTE PRESENTATIONChair: Antonio Carvalho Brito, FEUP – University of Porto, Portugal



INV_02 Simulations and simulacra: history in video games Dr <u>Andrew Elliott</u>, Senior Lecturer in Media and Cultural Studies, University of Lincoln, Lincoln, United Kingdom

15.00 - 15.30 COFFEE BREAK

15.30 - 18.00

ROOM A- B032 - 15.30-18.00 HARDWARE SIMULATION Chair: Rosaldo Rossetti, FEUP - University of Porto, Porto, P	HARD ortugal
PAR_01 Performance Simulation of Heterogeneous Computing Systems Jussi Hanhirova and Vesa Hirvisalo	59
AGENT_07 Impact of Message Filtering on HPC Agent Based Simulations Claudio Márquez, Eduardo César and Joan Sorribes	65
PAR_03 A Method for Porting HEP Software Geant4 and Root to Intel Xeon Hardware Accelerator Pierre Schweitzer, Claude Mazel, Cristina Cârloganu and David R.C. Hi	

PAR_04
Numerical Reproducibility, Portability and Performance of Modern Pseudo
Random Number Generators: Preliminary study for parallel stochastic
simulations using hybrid Xeon Phi computing processors
Van Toan Dao, Hong Quang Nguyen, Lydia Maigne, Vincent Breton,
Claude Mazel and David R.C. Hill

SIM_AI_04

••••_•	
Performance Analysis of a 240 Thread Tournament Level MCTS Go	
Program on the Intel Xeon Phi	
Ali Mirsoleimani, Aske Plaat, Jos Vermaseren and Jaap van den Herik	8

15.30 - 17.30

ROOM B- B033 - 15.30-17.30 ROAD TRAFFIC AND LOGISTICS SIMULATION I Chair: Guilherme Pereira, University of Minho, Portugal	LOGIS	
EMER_01 A Route Assignment Approach to Vehicle Emergency Evacuation Dalila Lima, Miguel Sandim, Paula Fortuna and Rosaldo J. F. Rossetti	221	
TOOLS_04 Benchmarking Trajectory Matchers with SUMO Jakob Erdmann and Rüdiger Ebendt	226	
TOOLS_06 Verification of the Real Time Fuzzy Control System using UPPAAL Model Checker Henrikas Pranevicius, Mindaugas Snipas, Vytautas Pilkauskas and <u>Tadas Kraujalis</u>	231	
LOGIS_03 Optimisation of Vessel Journeys for Oil Products Distribution Hoang Thi Minh Ha and <u>Gerrit K. Janssens</u>	245	

ROOM C- B029 - 15.30-17.30MaENERGY MANAGEMENT IChair: Carlos Bragança de Oliveira, FEUP – University of Porto, Portugal	GMT
AGENT_04 A Novel Multi-Agent Based Architecture for Optimal Energy Distribution and Concurrent Fault Restoration of Smart Grids Aymen Jaouadi, Olfa Mosbahi, Mohamed Khalgui and Fahima Ghniya	
CLOUD_01 Evaluation of Energy Consumption and QoS in the Four-Stage Schedul in a Private Green Cloud Using Simulation Osvaldo A. de Carvalho Junior, <u>Sarita M. Bruschi</u> , Regina H. C. Santana and Marcos J. Santana	-
AGENT_16 Agent-based modelling for designing an EV charging distribution syste a case study in Salvador of Bahia Jose Evora, Jose Juan Hernandez, Daniel Barbosa and Paulo Nazareno Maia Sampaio	
TOOLS_14 Simulation Tools for Integration Management Processes of Dispersed Generation in Micro-Grid Supplied by Prosumers Eugeniusz M. Sroczan	358

18.00 -

FREE EVENING

HALLWAY

Registration

08.30 - 17.00

09.00 - 10.00

ROOM A-A104 - 09.00-10.00KEYNOTEKEYNOTE PRESENTATIONChair: Antonio Carvalho Brito, FEUP – University of Porto, Portugal



10.00 - 10.30 COFFEE BREAK

10.30 - 12.30

ROOM A- A104 - 10.30-12.00 SIMULATION SOFTWARE TOOLS Chair: Feliz Manuel Teixeira, FEUP- University of Porto, F TOOLS

Chair: Feliz Manuel Teixeira, FEUP- University of Porto, Porto, Portugal

Jay	Thursday, 23 rd October 2014
Thurso	OPT_04 Simulation of Openflow Scenarios Based on the NSDL Framework Talita R. Pinheiro, Ramon R. Fontes, Paulo N. M. Sampaio and Eduardo M. D. Marques
- SUC	ROOM B- B231 - 10.30-12.30LOGISROAD TRAFFIC AND LOGISTICS SIMULATIONChair: Ana Luísa Ramos, University of Aveiro, Aveiro, Portugal
Sessions -	LOGIS_01 E-Mobility in Logistics: A Qualification-Process-Gap Model Matthias Klumpp, Torsten Marner and <u>Hella Abidi</u>
	OPT_07 Integrated Inventory-Transportation Problems with Common Carrier Freight Charges Rawee Suwandechochai and <u>Gerrit K. Janssens</u>
Parallel	OPT_14 A new Approach of Linking Mathematical Optimization and Discrete-Event Simulation for Operating Transshipment Terminals in the Parcel Delivery Industry Daniel Diekmann, Jens Baudach and Uwe Clausen
	TOOLS_16 3D Microsimulation of Milkruns and Pickers in Warehouses using SIMIO António Vieira, Luís S. Dias, Guilherme B. Pereira, José A. Oliveira, M. Sameiro Carvalho and Paulo Martins
	ROOM C- B338 - 10.30-12.30CIMPRODUCTION STREAMLINING SIMULATIONChair: José António Barros Basto, FEUP - University of Porto, Portugal
	OPT_12 Reducing Simulation Costs in ATCRSS Algorithm for Job Scheduling Problems Shell Ying Huang and Ya Li291
	SUP_03 Apparel Mass Customization Modelling and Size Effect Jocelyn Bellemare

ANA_01 An Agent Based Simulation Approach to the Circular Two Dimensional Open Dimension Problem João Pinho Ribeiro and Rosaldo J. F. Rossetti

12.30 - 14.00 LUNCH BREAK

14.00 - 15.00



A guided visit to INEGI is organized for those participants who are interested to visit the labs.

http://www.inegi.pt/inicial.asp?k=z&LN=E N

ROOM A- A104 - 14.00-15.00 FIRE SIMULATION	FIRE	
Chair: João Manuel Tavares, FEUP - University of Port	o. Porto. Portugal	
BIO_04_ENV Handling Back Fire in Forest Fire Spread Modelling		
Yves Dumond	411	

ROOM B- B231 - 14.00-15.00TUTTUTORIALChair: Feliz Manuel Teixeira, FEUP- University of Porto, Porto, Portugal

TUT_01 How to use Quaternions on Modelling Rotations in 3d Space <u>Feliz Manuel Teixeira</u>, FEUP- University of Porto, Porto, Portugal Parallel Sessions - Thursday

ROOM C- B338 14.00-15.00 ENERGY MANAGEMENT II Chair: Luís Miguel Dias, University of Minho, Portugal	MGMT
OPT_05 New Pipelined-based Solutions for Optimal Reconfigurations of Real-Time Systems Maroua Gasmi, Olfa Mosbahi, Mohamed Khalgui and Luis Gomes	
ANA_02 Automatic Simulation Calibration: An Evaluation of Search Based Metaheuristics Applied to IEC 61131-3 Based Automation in the Po Systems Domain	wer
Cláudio Silva, Rosaldo J. F. Rossetti and Jorge C. Pereira	429

15.00 - 15.30 COFFEE BREAK

15.30 - 18.30

ROOM A- A104 -15.30-18.30	DATA
DATA SIMULATION AND LEARNING SYSTEMS	
Chair: Luís Miguel Dias, University of Minho, Portugal	
OPT_10	
Ordering Data Sets by generating Graph Structures	
Jürgen Klüver and Christina Klüver	97
SIM_AI_02	
Simulation of the Ensemble Generation Process: The Divergence be	etween
Data and Model Similarity	
Fabio Pinto, Carlos Soares, Joao Mendes-Moreira	
and Rosaldo J. F.Rossetti	103
SIM_AI_01	
A Stochastic Analysis of Nested Transactions Success Ratio in RTE	DBS
Mourad Kaddes, Laurent Amanton, Majed Abdouli, Alexandre Berred,	

Bruno Sadeg and Rafik Bouaziz......108

PRED_SIM_01 New Solutions for Feasible Secured Reconfiguration of Embedded Control Systems
Rim Idriss, Adlen Loukil and Mohamed Khalgui 119
SIM_AI_05 Centralized Versus Decentralized Team Coordination using Dynamic Scripting Armon Toubman, Jan Joris Roessingh, Pieter Spronck, Aske Plaat and Jaap van den Herik
AGENT_13 Analysing Collaborative Filtering algorithms in a Multi-Agent Environment Tiago Cunha, Rosaldo J. F. Rossetti and Carlos Soares
ROOM B- B231 - 15.30-18.00 MGMT
MANAGEMENT SIMULATION
Chair: Antonio Carvalho Brito, FEUP – University of Porto, Portugal
AGENT_11 On Modeling Uncertainty in Resource Division Processing using Game against Nature Approach <u>Krzysztof Skrzypczyk</u>
Extroverted or Introverted Environmental Uncertainty and Performance of Organizational Aspirations John Qi Dong
AGENT_14 Comparing Centralized and Decentralized Multi-Agent Approaches to Air Traffic Control <u>Álvaro Câmara</u> , Daniel Castro Silva, Eugénio Oliveira and Pedro Henriques Abreu
BIO_06_ENV Computer Aided Planning of Water Nets Revitalization Jan Studzinski and Marek Kurowski194
METH_06 Nature Analogous Methods for Everybody Applications to Human Resource Management Christina Klüver and Jürgen Klüver

ROOM C- B338- 15.30-17.30 MANUFACTURING OPTIMIZATION Chair: José Fernando Gonçalves, FEP- University of Porto, P	CIM ortugal
PAR_06 Distribution Simulation Framework Carlos Bragança de Oliveira and António Carvalho Brito	313
PETRI_01 Faults and Fault Propagation Modeling in Manufacturing Systems based on Colored Petri Nets Miklós Gerzson, Adrien Leitold and Katalin M. Hangos	327
PETRI_02 On-Line Qualitative Model Based Diagnosis of Technological Syste using Colored Petri Nets Adrien Leitold, Miklós Gerzson, Anna I. Pózna and Katalin M. Hangos	
OPT_02 Machine and Engine Adjustment <u>William Conley</u>	321

CONFERENCE DINNER – 20.00 -23.00

All participants are invited to the conference dinner which will be held from 20.00 to 23.00 at Restaurant Abadia



Restaurant Abadia Rua Ateneu Comercial do Porto 22 4000 Porto, Portugal Tel: +351 22 200 8757

Google location :

<u>https://www.google.pt/maps/place/Restaurante+Abadia+do+Porto/@41.148874,-</u> 8.60679,17z/data=!4m2!3m1!1s0xd2464e51e3695a9:0xc329c61f23de839e?hl=pt-PT

Friday, 24th October 2014

HALLWAY

Registration

09.00 - 09.30

09.30 - 10.00 COFFEE BREAK

10.00 - 12.00

ROOM A- B032 - 10.00-12.00FFINANCIAL SIMULATIONChair: Carlos Bragança de Oliveira, FEUP – University ofPortugal	FINANCE Porto,
AGENT_10 The Potential of Object-Oriented Analysis and Design for Agent Computational Economics Tuong Manh Vu, Peer-Olaf Siebers and Christian Wagner	
TOOLS_10 Analysis by State: An Alternative View on Discrete Event Time S Arne Koors and Bernd Page	
RAND_01 Estimation of VaR and CVaR from Financial Data using Simulate Alpha-Stable Random Variables Kristina Sutiene, Audrius Kabasinskas, Dalius Strebeika, Milos Kopa and Roland Reichardt	
AGENT_02 Incomplete Information and Learning in Dynamic Price Discrimi in Competitive Environments Maria Paula V. Cicogna and Celma O. Ribeiro	

Friday, 24th October 2014

ROOM B – A104 - 10.00-11.30 HOSPITAL LOGISTICS Chair: Manuel Pina Marques, FEUP - University of Porto, Por	LOGIS rtugal
TOOLS_05 Parameterized Modeling of Outpatient Departments in University H Byoung K. Choi, <u>Hyeonsik Kim</u> and Donghun Kang	
INTEI_01 Simulating a Multi-Level Priority Triage System for Maternity Emerg António Abelha, Eliana Pereira, Andreia Brandão, Filipe Portela, Manuel Santos and José Machado	
BIO_03 Scheduling Guidelines for a Multi-Room Proton Therapy Treatment Stuart Price, Bruce Golden, Edward Wasil and Hao Howard Zhang	
ROOM C – B338 - 10.30-11.30MOMOTION SIMULATIONChair: João Manuel Tavares, FEUP - University of Porto, Por	TION to, Portugal
MOTION SIMULATION	to, Portugal
MOTION SIMULATION Chair: João Manuel Tavares, FEUP - University of Porto, Por BIO_08 Dynamic Simulation of Human Motion Joao Ferreira Nunes, Luis Paulo Reis, <u>Rosaldo J.F.Rossetti</u> ,	to, Portugal

Friday, 24th October 2014

ROOM A - B032 - 12.00 - 12.15BEST PAPERCLOSING SESSION AND BEST PAPER AWARDChair: Antonio Carvalho Brito, FEUP - University of Porto, Portugal

EUROSIS <u>Philippe Geril</u>, EUROSIS, Ostend, Belgium

Parallel Sessions - Friday

ESM'2015



SEE YOU ALL OCTOBER 2015, Leicester, United Kingdom

FOR ESM'2015

IN COOPERATION WITH

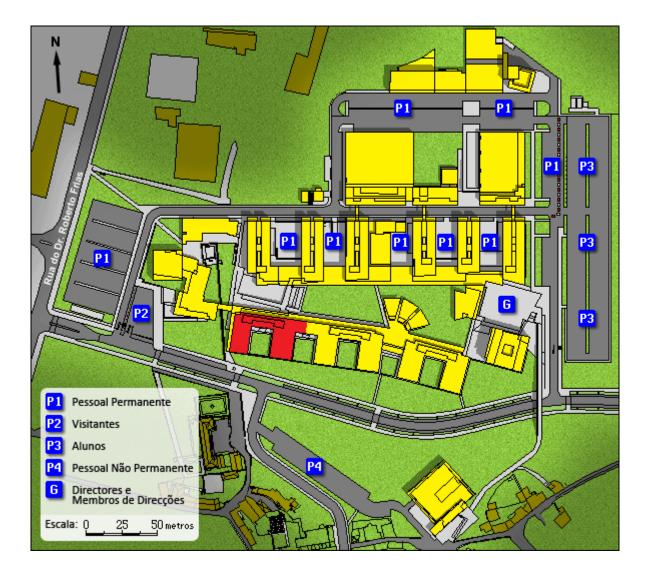




UKRI-SPC

Track proposals and tutorial proposals can be sent in by January 30th, 2015 Proposals for future event locations can be emailed to philippe.geril@eurosis.org Information on all 2015 EUROSIS Events can be found on http://www.eurosis.org

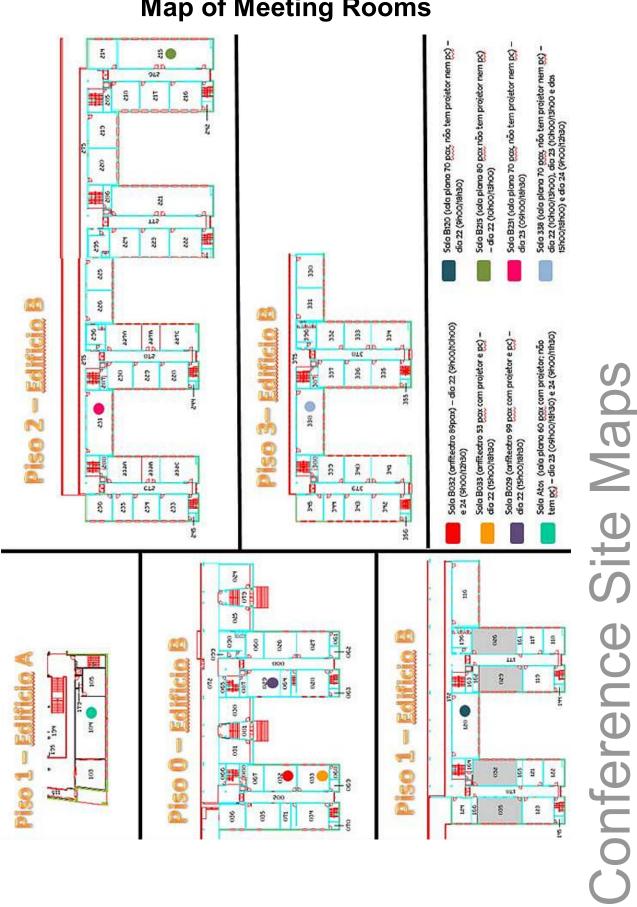
UNIVERSITY OF PORTO LOCATION MAP



FEUP- University of Porto Campus and Conference Location

Rooms Legend Overview

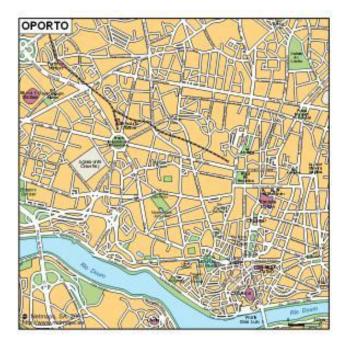
22nd Morning	B032 (A) – from 8h30 to 12h30 B120 (B) – from 9h00 to 13h00 B338 (C) – from 10h00 to 13h00
22nd Afternoon	B032 (A) – from 14h00 to 18h30 B033 (B) – from 15h00 to 18h30 B029 (C) – from 15h00 to 18h30
23rd Morning	A104 (Sala de atos) (A)– from 9h00 to 13h00 B231 (B) – from 9h00 to 13h00 B338 (C) – from 10h00 to 13h00
23rd Afternoon	A104 (Sala de atos) (A) – from 13h00 to 18h00 B231 (B) – from 13h00 to 18h00 B338 (C) – from 15h00 to 18h00
24th Morning	B032 (A) – from 8h30 to 12h30 A104 (Sala de atos) (B)– from 9h00 to 12h00 B338 (C) – from 9h00 to 12h00



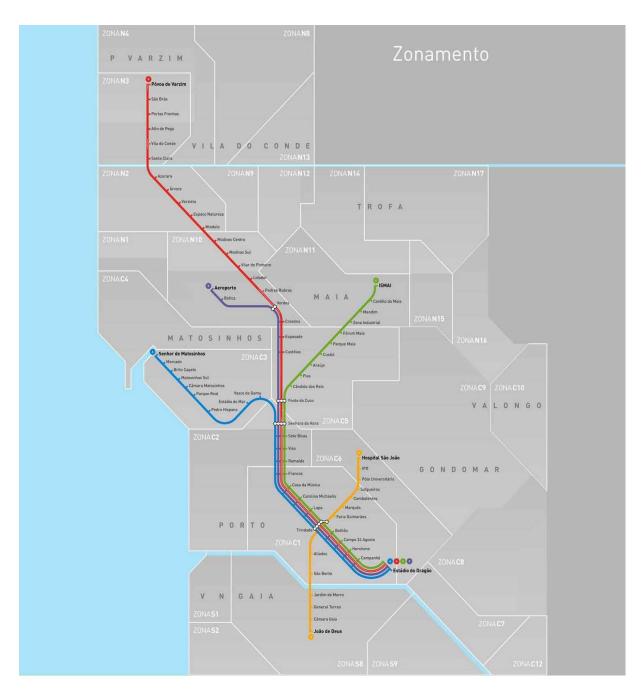
Map of Meeting Rooms



How to reach the University by Car



PORTO CITY CENTRE



How to reach the University by Metro

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 and manage 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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Please send me info on EUROSIS:
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ESM'2014 Registration Form

Please legibly print or type and fill out completely. (Check appropriate boxes where necessary)

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(Above registration fees include, one copy of the PROCEEDINGS, all midday meals, cocktail, refreshments, coffees and social program,) One Day Participants and Non-Author Students				
cannot participate in the conference dinner.				
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