FINAL PROGRAM

23-25 October 2013

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Contents

Badges **6**
Best Paper Award **7**
Conference Location **4**
Conference Proceedings **6**
General Information **4**
Meeting Rooms **6**
Need Help? **7**
Notes **12**
Registration **6**
Room Legend **7**
Session Chairs Information **8**
Social Event and Lunches **7**
Tickets **6**

Quick Program Overview **9**

Scientific Program **13**

Wednesday, October 23 ..... **13**
Thursday, October 24 ..... **18**
Friday, October 25 ..... **23**

Conference Dinner **22**
Conference Location **27**

ESM'2014 ..... **26**

EUROSIS Info **29**

Contents

General Information

1. Conference Location

The **ESM'2013 Conference** is being held at Lancaster University.

In the Conference Centre
Bowland Avenue
Lancaster University
Lancaster LA1 4YT
Tel: +44.1524 594194/4189
Email: conferenceoffice@lancaster.ac.uk

The registration desk will be placed in the foyer from Wednesday morning October the 23rd onwards, where registration will start at 08.00 and will end at 5.00 p.m. On Thursday October 24th registration will be from 8.30 a.m. - 5.00 p.m. with Friday 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 Lancaster:

By Plane

When arriving by plane in the UK you are mostly destined to arrive in London either at Heathrow, Stansted, Gatwick or Luton Airport. From these airports you need to make your way by train or tube to Euston Station from where you can take a direct train to Lancaster. (journey time 2 1/2 to 3 hours - depending on the time of day)

We recommend that, whenever possible, overseas visitors reach Lancaster via Manchester International Airport. From the airport, there are a number of travel options:

a) There is a direct rail link from the Manchester International Airport (terminal 2) to Lancaster, (total journey time is between 1 l/2 and 2 l/2 hours, depending on the time of day). This is our recommended option.

b) There is a shuttle bus from the Main Bus Station near the International Arrivals to either Manchester Piccadilly rail station or (better) Manchester Victoria rail station (total journey time is between 1 1/4 and 2 3/4 hours, depending on the time of day).

c) By car: take M56 motorway from junction 5 and then join the M6 at junction 20a (North) and proceed as in by car below. See the map of the terminals here at Manchester International Airport

By Train

When taking the train to the United Kingdom, you will be using the EUROSTAR service arriving at St.Pancras station. After clearing customs and passport control you leave the station and walk to Euston Station from where you can take a direct train to Lancaster. (journey time 2 to 2 1/2 hours - depending on the time of day)

If you arrive from Birmingham Airport then take a train from the airport to Birmingham New Street Station. (See Journeyplanner to work out your itinerary).Book train tickets on the National Rail website.

Taxis are usually available from outside Lancaster station; otherwise, there is a bus stop a few minutes walk away, next to Lancaster market on Common Garden Street.

By Tram and Bus

Lancaster city is on the national coach network; National Express coaches call at the University. To plan your coach journey, consult the National Express Coach Timetable.

Local buses (numbers 2, 2A, X2, 3, 3A, X3) from Lancaster bus station run approximately every 20 minutes to the University. - From rail station to university is X1. All buses are served by a company called StageCoach. Hence, their timetable can be found here.

There is also a direct service - UniSprint - which again runs at 20 minute intervals. See Lancaster Bus station

By Car

From the north or south: leave the M6 motorway at junction 33 and take the A6 north towards Lancaster and continue for 1 3/4 miles - passing through the village of Galgate. After leaving Galgate, turn right at the second set of traffic lights into the University main drive. (Do not turn right at the first set of traffic lights - signposted to Alexandra Park).

At the roundabout at the top of the drive, turn right for the Management School. The Management School is the large glass-fronted building, located just past Gillow Avenue (the third turning on the left after the roundabout).

Visitors to Lancaster University Management School should park in Gillow Avenue (third left after the roundabout at the top of the University Drive). You will need either a valid one-day visitor scratch card or a pay and display sticker available from the machine in Gillow Avenue.

General Information

Ticket machines dispense tickets for 2 hours at £2. From January 2011 chip and pin card payment facilities are available at each machine. All-day visitor scratch cards are available from the LUMS Reception or Security Reception on Bowland Avenue priced at £5 each.

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'2013 Registration Desk will be open for information and registration:

Wednesday, October 23..... 8.00 a.m. to 5.00 p. m.
Thursday, October 24..... 8.30 a.m. to 5.00 p. m.
Friday, October 25 ..... 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'2013**)

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

ESM'2013 Proceedings CASH AND CARRY	**€ 50**

6. Meeting Rooms

The ESM'2013 conference will be held in meeting room 2 (main room) and meeting room 4 (breakout room). **They are designated A and B** in this programme.

General Information

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

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 **on the ground floor on the reception level.**

The Conference Dinner
All participants are invited to the conference dinner on **THURSDAY** the 24th 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:

The Midland
Marine Road West
Morecambe
Lancashire, LA4 4BU
Tel: +44(0)1524 424000
email:
themidland@englishlakes.co.uk

9. Room Legend

The parallel meeting rooms will be designated **ROOM A (room 2) and B (room 4)**.Signposts will indicate the room number and programme 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'2013 conference.

General Information

11. 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 responsiblity 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

WEDNESDAY, 23rd OCTOBER 2013		
08.00-17.00	REGISTRATION	
09.00-09.15	WELCOME BY STEPHAN ONGGO – ESM'2013 CONFERENCE CHAIR - ROOM A	
09.15-10.00	KEYNOTE ADDRESS BY PROFESSOR MICHAEL PIDD, LANCASTER UNIVERSITY - ROOM A	
10.00-10.30	COFFEE BREAK	
10.30-12.30	PARALLEL SESSIONS	
	ROOM A (room 2)	ROOM B (room 4)
	VEHICLE ROUTING SIMULATION	DATA DRIVEN SIMULATION IN ENGINEERING
12.30-14.00	LUNCH BREAK	
14.00-15.00	PARALLEL SESSIONS	
	ROOM A (room 2)	ROOM B (room 4)
	INVITED SPEAKER VALERIAN CROITORESCU	ELECTRONIC DATA NETWORK SIMULATION
15.00-15.30	COFFEE BREAK	
15.30-17.30	PARALLEL SESSIONS	
	ROOM A (room 2)	ROOM B (room 4)
	HOSPITAL LOGISTICS AND TRAFFIC SIMULATION	ENGINEERING SIMULATION
18.00-…….	FREE EVENING	

THURSDAY, 24th OCTOBER 2013		
08.30-17.00	REGISTRATION	
09.00-10.00	ROOM A (room 2)	ROOM B (room 4)
	INVITED SPEAKER SUZANNE HARRISON	GRID SIMULATION
10.00-10.30	COFFEE BREAK	
10.30-12.30	PARALLEL SESSIONS	
	ROOM A (room 2)	ROOM B (room 4)
	POPULATION DYNAMICS SIMULATION	TRAINING SIMULATION
13.00-14.00	LUNCH BREAK	
14.00-15.00	PARALLEL SESSIONS	
	ROOM A (room 2)	ROOM B (room 4)
	INVITED SPEAKER STEWART ROBINSON	DISTRIBUTED SIMULATION
15.00-15.30	COFFEE BREAK	
15.30-18.00	PARALLEL SESSIONS	
	ROOM A (room 2)	ROOM B (room 4)
	FLUID FLOW SIMULATION	DATA MANAGEMENT SIMULATION
19.30 – 22.30	CONFERENCE DINNER	

FRIDAY, 25th OCTOBER 2013		
08.30-09.00	REGISTRATION	
09.00 10.15	PARALLEL SESSIONS	
	ROOM A (room 2)	ROOM B (room 4)
	TUTORIAL SIEBERS	ECONOMICS AND PRODUCTION SIMULATION I
10.00-10.30	COFFEE BREAK	
10.30 12.30	PARALLEL SESSIONS	
	ROOM A (room 2)	ROOM B (room 4)
	WATER DISTRIBUTION SYSTEMS	ECONOMICS AND PRODUCTION SIMULATION II
12.30-12.45	CLOSING SESSION AND BEST PAPER AWARD ROOM A	

Notes

NOTES

Wednesday, 23rd October 2013

HALLWAY

Registration

08.00 - 17.00

ROOM A

09.00 – 09.15

Opening ESM'2013 and Welcome

Welcome Address

Stephan Onggo
Lancaster University
ESM'2013 General Conference Chair

ROOM A - 09.15-10.00 **KEYNOTE**
KEYNOTE SPEECH
Chair: Stephan Onggo, Lancaster University, United Kingdom

Rethinking the Place of System Dynamics and Discrete Event Simulation
Professor Michael Pidd, Department of Management Science, Lancaster University, Lancaster, United Kingdom

Welcome

Wednesday, 23rd October 2013

10.00 - 10.30
COFFEE BREAK

10.30 – 12.30

ROOM A - 10.30-12.00 TRAFFIC
VEHICLE ROUTING SIMULATION
Chair: Rita Marques Brandão, University of the Azores, Portugal

AI_02_LOGIS
Production Simulation of Decentralized Autonomous FMS and AGV's Route Interference Avoidance using MIND
Hidehiko Yamamoto and Takayoshi Yamada **273**

AGENT_05
An Agent-Based Vehicle Routing Simulation Tool for Road Networks with Time Variant Data
Bhakti S.S.Onggo, Michael Bažant and Jiří Popelka **284**

AGENT_07_TRANS
Simulation of Localization Rolling Stock within The Railway Network Model utilizing Agent Based Simulation
Jan Fikejz and Emil Rezanina **290**

ROOM B - 10.30-12.30 ENGIN
DATA DRIVEN SIMULATION IN ENGINEERING
Chair: Paulo Sampaio, University of Madeira, Portugal

AI_03
Data-Driven Models for Uni-axial Compressive Strength Prediction applied to Unseen Data
Joaquim Tinoco, António Gomes Correia and Paulo Cortez **183**

EDU_03_SIM_OPT
Model Predictive Motion Cueing Algorithm for a Truck Simulator
E. Thöndel **188**

Wednesday, 23rd October 2013

METH_10
A New Method of Event Handling for ODE Solvers and Application to a Benchmark
Thibaut-Hugues Gallois, Jean Brac and Thierry Soriano **193**

METH_04
Translation of Conditional Robot Action Planning to Linear Programming
Adam Galuszka **201**

12.30 - 14.00
LUNCH BREAK

14.00 – 15.00

ROOM A - 14.00-15.00 INVITE
INVITED PRESENTATION
Chair: Jose Evora, University Institute of Intelligent Systems, Spain

INV_03
Vehicle Powertrain Simulation: a Useful and Cost Saving Methodology
Valerian Croitorescu **5**

ROOM B - 14.00-15.00 NETWORK
ELECTRONIC DATA NETWORK SIMULATION
Chair: Chrissanthi Angeli, Technological Institute of Piraeus, Greece

TOOL_04
Visual Network Description: A Customizable GUI for the Creation of Software Defined Network Simulations
Ramon Fontes and Paulo N.M. Sampaio **149**

TOOL_05
Blocking Probability Simulation at Broadband Handover with Three Level Priority Scheme
Svetla Radeva, Ekaterina Otsetova-Dudin and Dimitar Radev **154**

15.00 - 15.30
COFFEE BREAK

Wednesday, 23rd October 2013

15.30 - 17.30

ROOM A - 15.30-18.00 LOGIS
HOSPITAL LOGISTICS AND TRAFFIC SIMULATION
Chair: Henrikas Pranevicius, Kaunas Univ. of Technology, Lithuania

TRANS_08_HOS
Improving Material Logistics in a Hospital Environment using Discrete Event Simulation
Toni Ruohonen and Pentti Nakari **299**

AGENT_05
A Multi-Agent System for Intelligent Scheduling of Non-Emergency Medical Patients'Transportation
Anton Ivaschenko, Anton Dmitriev and Alina Vaisblat **304**

WEB_01
System Dynamics in Healthcare: A Web Based Approach
Konstantinos Domdouzis, Peter Lacey, Darren Lodge and Simon J.E.Taylor **309**

METH_02
A Metamodeling Approach to the Behavior of the Variance in Nonstationary Simulations
Rita Marques Brandão and Acacio M. O. Porta Nova **319**

TRANS_07_ENV
Reducing Emissions of Taxiing at Airports
Mark B. Duinkerken, Ted Selderbeek and Gabriel Lodewijks **331**

ROOM B - 15.30-17.30 ENGIN
ENGINEERING SIMULATION
Chair: Adam Galuszka, Silesian Technical University, Poland

TOOL_06
Tafat: A Framework for Developing Simulators based on Model Driven Engineering
Jose Evora, Jose Juan Hernandez and Mario Hernandez **207**

METH_07
Vibration Suppression using Piezoelectric Elements: Model Development for Control Applications
Roxana Mutu, Marius Valentin Bataus and Valerian Croitorescu **212**

Wednesday, 23rd October 2013

EDU_05
3D Explicit Simulation of Impact Response of the Protective Shell during Flywheel Failure
Jiang Lei, Zhang Xiao-Zhang, Wang Liming, Wu Lei, Su Shenjian, Duan Changcheng and Wang Xia **217**

TOOLS_08
Sizing and Tuning Speed Governors for Turbines by AMESIM
Constantin Calinoiu, Daniela Vasiliu, Puhalschi Radu, Nicolae Vasiliu and Irimia Petru Cristinel **220**

18.00 - …..

FREE EVENING

Thursday, 24th October 2013

HALLWAY

Registration

08.30 - 17.00

09.00 – 10.00

ROOM A- 09.00-10.00 **INVITED**
INVITED PRESENTATION
Chair: Roger J. Brooks, Lancaster University, United Kingdom

INV_02
Understanding the big picture: how modeling and simulation BAE Systems an edge
Suzanne Harrison, Head of Service Delivery, CORDA, BAE Systems, United Kingdom

ROOM B - 09.00-10.00 **PAR**
GRID SIMULATION
Chair: Antonin Kavicka, University of Pardubice, Czech Republic

AGENT_02
Asynchronous approach to simulations in Smart Grid
Jose Evora, Jose Juan Hernandez and Mario Hernandez..... **137**

HPCN_02
Simulation of Processes of Electricity Generation Integrated in Smart Grid Model Management
Eugeniusz M. Sroczan and Andrzej Urbaniak **142**

10.00 - 10.30
COFFEE BREAK

Thursday, 24th October 2013

10.30 - 12.30

ROOM A - 10.30-12.30 DYNAMICS
POPULATION DYNAMICS SIMULATION
Chair: Konstantinos Domdouzis, Whole System Partnership, UK

METH_05
Hybrid Continuous Time Monte Carlo Simulation of Disperse Systems
Béla G. Lakatos, Ágnes Bárkányi and Sándor Németh **13**

AGENT_03_ENV
Automatic Generation of Global Agent Based Model of Migratory Waterfowl for Epidemiological Analysis of Avian Influenza and other Zoonoic Diseases
Dhananjai M. Rao and Alexander Chernyakhovsky **21**

BIO_01
Simulation Driven Detection of the Increased Risk Periods during Fentanyl Analgesia
Henrikas Pranevicius, Vytautas Pilkauskas, Mindaugas Pranevicius, Isaac P.Lowenwirt and Osvaldas Pranevicius **29**

BIO_02
Fentanyl Delivery Optimization using Markov Chain Multi Compartmental Model
Henrikas Pranevicius, Mindaugas Pranevicius, Osvaldas Pranevicius and Mindaugas Snipas **34**

ROOM B - 10.30-12.00 TRAIN
TRAINING SIMULATION
Chair: John Geraghty, Dublin City University, Ireland

AI_01
Simulated Learner Models of Human Skills in Programming
Eleandro Maschio and Alexandre Direne **101**

WEB_02
Web-Based Simulation in Teaching
Jan Hrídel and Štepán Karták..... **109**

Thursday, 24th October 2013

EDU_01
"Virtual Surgeon" Training Suite for Laparoscopy, Endovascular and Open Surgery Simulation
Anton Ivaschenko, Anton Dmitriev, Alexey Cherepanov, Alina Vaisblat and Aleksander Kolsanov **114**

12.30 - 14.00
LUNCH BREAK

14.00 - 15.00

ROOM A - 14.00-15.00 **INVITED**
INVITED PRESENTATION
Chair: Stephan Onggo, Lancaster University, United Kingdom

INV_01
Simple Models for a Complex World
Stewart Robinson, School of Business and Economics, Loughborough University United Kingdom

ROOM B - 14.00-15.00 **PAR**
DISTRIBUTED SIMULATION
Chair: Andrzej Urbaniak, Poznan University of Technology, Poland

AGENT_08_HPCN
Distributed Agent Based Simulation Framework
Carlos Bragança de Oliveira and António Carvalho Brito **121**

HPCN_01
Graphical Specification of Distributed Simulation Models
Jirí Pénzeš and Antonín Kavicka **128**

Thursday, 24th October 2013

15.00 - 15.30
COFFEE BREAK

15.30 – 18.00

ROOM A - 15.30-18.00 FLUID
FLUID FLOW SIMULATION
Chair: Jan Studzinski, Systems Research Institute, Poland

FLUID_05
Simulation-Based Fault Detection for Fluid Power Actuators
C. Angeli and A. Chatzinikolaou **229**

FLUID_03
Numerical Simulation of Flow Field in Centrifuge Rotor
Lingling Hu, Zhiheng Qiu, Xiuzhen Jiang and Jiangcheng Gong **234**

FLUID_01
Pressure Drop Modeling of a Two Phase Flow for a CANDU 6 Fuel Bundle using CFD
Alis Musa, Ilie Prisecaru and Gheorghe (Nicolici) Claudia **238**

FLUID_02
Development of a Finite Element Model for PHWR Pressure Tube Sagging Simulation
Stefan Nicolici, Daniel Dupleac and Ilie Prisecaru **243**

INTEL_01_FLUID
Multi-Pole Modelling and Intelligent Simulation Environment for Fluid Power Systems
Mait Harf and Gunnar Grossschmidt **247**

ROOM B - 15.30-17.30 MGMT
DATA MANAGEMENT SIMULATION
Chair: Valerian Croitorescu, University POLITEHNICA, Romania

EMER_02_TRANS
Modelling, Simulation and Information Systems as a Tool to Support Decision Making Process in Crisis Management
Jozef Ristvej, Adam Zagorecki, Katarína Hollá, Ladislav Šimák and Michal Titko **71**

Thursday, 24th October 2013

METH_01
A Pilot Survey on Data Identification and Collection in Simulation Projects
Bhakti S. S. Onggo, James Hill and Roger J. Brooks **77**

TOOL_01
A Prototype Integration of MANPY with CMSD
Panos Barlas, Georgios Dagkakis and Cathal Heavey **85**

TRANS_05
Shortest Route Problem with Soft Time Windows
Kris Braekers and Gerrit K. Janssens **279**

CONFERENCE DINNER – 19.30 -22.30

All participants are invited to the conference dinner which will be held from 19.30 to 22.30 at The Midland

Marine Road West
Morecambe
Lancashire, LA4 4BU
Tel: +44(0)1524 424000
email: themidland@englishlakes.co.uk

The participants be taken by bus from Lancaster University Conference Centre to the dinner location
Bus: departure 18.30 p.m.
Bus departure after dinner at 22.30 p.m.

Friday, 25th October 2013

HALLWAY

Registration

08.30 - 09.00

09.00 – 10.15

ROOM A - 09.00-10.15 **TUT**
TUTORIAL
Chair: Stephan Onggo, Lancaster University, United Kingdom

Decision Support using Business Process Model and Notation (BPMN) and Agent-Based Simulation
Peer Olaf Siebers, Nottingham University, Nottingham, United Kingdom

ROOM B - 09.00-10.00 **ECON**
ECONOMICS AND PRODUCTION SIMULATION I
Chair: Gerrit Janssens, Hasselt University, Belgium

AI_04
A Probabilistic Analysis of Transactions Success Ratio in Real-Time Databases
Mourad Kaddes, Laurent Amanton, Alexandre Berred, Bruno Sadeg, Majed Abdouli and Rafik Bouaziz **46**

TRANS_01
Employment Effects of Ports and Cost Benefit Analyses
Torsten Marner and Matthias Klumpp..... **54**

10.00 - 10.30
COFFEE BREAK

10.30 - 12.30

ROOM A - 10.30-12.30 **PAR**
WATER DISTRIBUTION SYSTEMS
Chair: Peer Olaf Siebers, Nottingham University, United Kingdom

Friday, 25th October 2013

AGENT_01
Multi-Agent Simulation to support Water Distribution Network Partitioning
Saeed Hajebi, Stephen Barrett, Aidan Clarke and Siobhán Clarke **163**

ENV_01
Energy cost reducing in a water pumping station - modeling and simulation
Rafal Brodziak, Tomasz Kaźmierski and Andrzej Urbaniak..... **169**

AI_06
Detection and Localization of Water Leaks in Water Nets by Means of a Monitoring System, Hydraulic Model and Neuronal Networks
Jan Studzinski and Izabela Rojek..... **172**

ANA_01
Fuzzy Model Predictive Control for Energy Consumption Optimization by Heating and Cooling Systems in Buildings
Mariusz Nowak and Andrzej Urbaniak..... **176**

ROOM B - 10.30-12.30 ECON
ECONOMICS AND PRODUCTION SIMULATION II
Chair: Matthias Klumpp, FOM Essen, Germany

METH_08
Automatic simulation model generation for supporting facility planning in SMEs
Ruby Wai Chung Hughes, Rab Scott and Keith Ridgway..... **62**

AGENT_09_CIM
Integration of Humans into a Multi-Agent System
Fredrik Danielsson, Bo Svensson and Jun He **257**

METH_03
Product Line Development of Models with MATLAB/Simulink
Yves Duhr, Thomas Ringler and Stefan Kowalewski..... **260**

TRANS_04_LOGIS
Hybrid Kanban Allocation Policy in Pull Control of Multiproduct Manufacturing Systems
Oladipupo Olaitan, Anna Rotondo, Paul Young and John Geraghty **265**

Friday, 25th October 2013

ROOM A - 12.30 - 12.45 **BEST PAPER**
CLOSING SESSION AND BEST PAPER AWARD
Chair: Stephan Onggo, Lancaster University, United Kingdom

EUROSIS
Philippe Geril, EUROSIS, Ostend, Belgium

ESM'2014 - Porto - Portugal

ESM'2014

SEE YOU ALL

OCTOBER 2014, Porto, Portugal
FOR ESM'2014

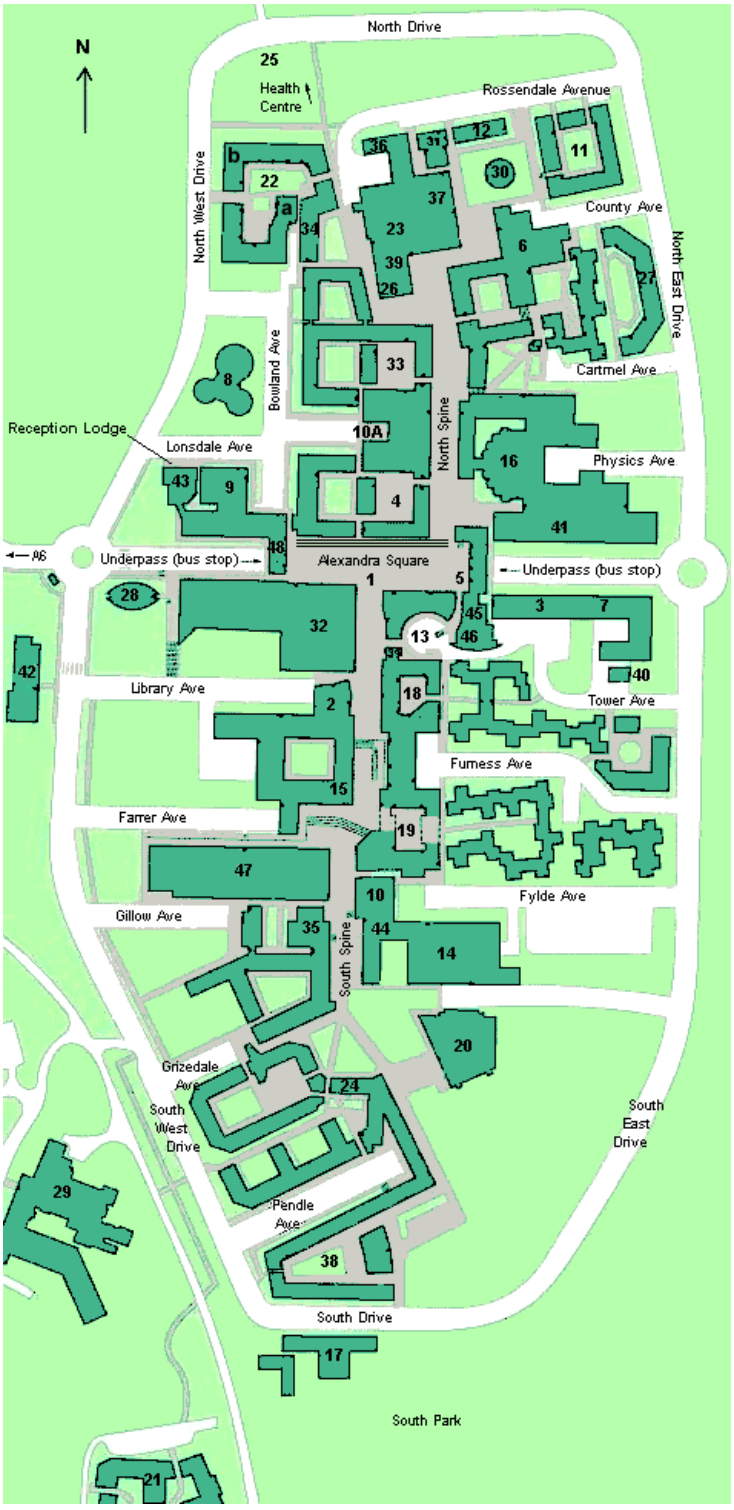
Track proposals and tutorial proposals can be sent in by January 30th, 2014

Proposals for future event locations can be emailed to philippe.geril@eurosis.org

Information on all 2014-2015 EUROSIS Events can be found on http://www.eurosis.org

Conference Site Maps

LANCASTER UNIVERSITY LOCATION MAP

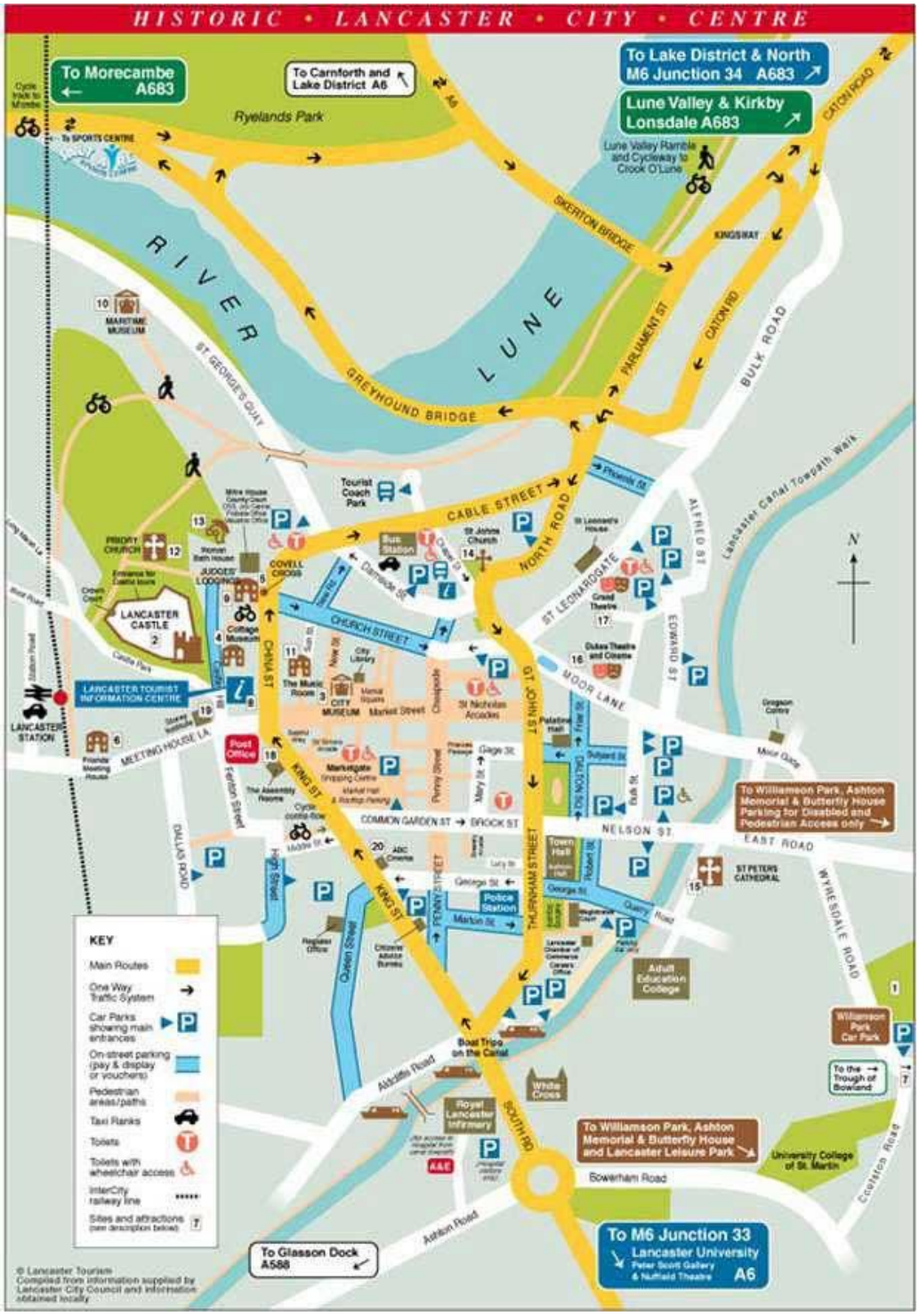


Conference Site Map

Conference Site Map

Conference Site Maps

LANCASTER CITY CENTRE



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:
Name: .....
Address: .....
.....
.....
Telephone.....
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Email: .....

EUROSIS Info

ESM'2013 Registration Form

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

FIRST NAME	LAST NAME	M.I.
COMPANY OR AFFILIATION		
Mailing address (tick one): [ ] HOME [ ] BUSINESS		
STREET		
CITY		
ZIPCODE	COUNTRY	
TELEPHONE	FAX	
E-MAIL		
DATE	SIGNATURE	

1. [ ] EUROSIS member € 545 **Member Number**:_____	€_____
2. [ ] Members of Sponsor or Affiliate Society € 545	€_____
3. [ ] Non-Member Participant € 555	€_____
4. [ ] Students, **who are not authors** but who wish to attend the conference, or **ONE DAY PARTICIPANTS** pay: € 435	€_____
(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.	
5. [ ] Conference Tutorial BPMN € 100	€_____
6. [ ] Conference Dinner Ticket for Companion € 60 **[] Lunch Ticket** for Companion € 25/day	€_____
7. [ ] Extra Conference Proceedings € 50 **Cash and Carry**	€_____
VAT Number if applicable: _____	
TOTAL AMOUNT DUE	€_____
_____	
ADD BANK CHARGE of € 15 in case you pay by BANK or CHEQUE.	€_____
TOTAL AMOUNT REMITTED	€_____

[ ] 1) Make payment by **BANK TRANSFER** to account **IBAN CODE: BE03 0014 0814 7784** EUROPEAN TECHNOLOGY INSTITUTE, ETI Bvba, BNP PARIBAS FORTIS BANK, Torhoutsesteenweg 356, B-8400 Ostend, Belgium**, SWIFT/BIC CODE: GEBABEBB MENTION YOUR NAME and ESM'2013**

[ ] 2) Or pay by **CHEQUE** and send it to Philippe Geril, EUROSIS-ETI, European Simulation Office, Greenbridge Science Park, Ghent University – Ostend Campus, Wetenschapspark 1, Plassendale 1, B-8400 Ostend, Belgium.

[ ] 3) Or pay by **CREDIT CARD** and fill in the information below:

Charge my (tick one): [ ]Visa [ ] Euro/Mastercard [ ] American Express [ ]Diners

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