

FINAL PROGRAM



22-24 October 2007

THE WESTIN
DRAGONARA RESORT
Malta

Organized by



L-UNIVERSITÀ TA' MALTA



UNIVERSITY OF MALTA

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SIMULA



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General Information

1. Conference Location

The Conference is being held at

[Westin Dragonara Hotel](#)

Dragonara Road

St. Julians STJ 02, Malta

Tel: +356.21.381.000

Fax: +356.21.381.347

Email: westin.dragonara@westin.com

The registration desk will be placed in the hallway of the **north wing – level 3 (lobby level)**, of the hotel from Monday morning October the 22nd onwards, where registration will start at 08.00 and will end at 5.00 p.m.. On Tuesday October 23rd registration will be from 8.30 a.m. - 5.00 p.m. with Wednesday registration only from 8.30 a.m.- 9.30. a.m.

ALL MAJOR MAPS ARE AT THE BACK OF THIS PROGRAMME

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	€20

4. Registration

The ESM'2007 Registration Desk will be open for information and registration:

Monday, October 22 8.00 a.m. to 5.00 p. m.

Tuesday, October 23 8.30 a.m. to 5.00 p. m.

Wednesday, October 24 8.30 a.m. to 9.30 a.m.

The location of the registration desk will be signposted

General Information

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 **ESM'2007**)

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

ESM'2007 Proceedings CASH AND CARRY	€50
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6. Meeting Rooms

The meeting rooms are designated A-B-C and D. The way to the rooms will be signposted. Internet is available at the hotel in the business centre. You can **buy Internet Tokens from Concierge or Business Centre to connect.**

7. Need Help?

Please see the conference desk for your questions

8. Social Events and Lunches

All registrants are invited to

All **lunches** and **Coffee Breaks** are served at the **Westin Hotel**, as well as the **get-together-party**

The Conference Dinner

All participants are invited to the conference dinner on **TUESDAY** the 23rd of October. 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 held near Valetta Harbour at the Black Pearl restaurant (further information can be found in the programme on page 25)

We will meet at 7.30 in front of the Westin Hotel at the main entrance where we will walk as a group to the coaches, which will take us to the conference dinner site, and back.

General Information

9. Room Legend

The meeting rooms in the **north wing – level 3 (lobby level)** will be designated ROOM A B C and D. Signposts will be available at the hotel 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'2007 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://www.eurosis.org>**

MONDAY, 22nd OCTOBER 2007

08.00-17.00	REGISTRATION			
09.00-09.15	OPENING SESSION AND WELCOME BY THE DEAN OF THE UNIVERSITY OF MALTA			
09.15-10.00	KEYNOTE ADDRESS BY PIERRE L'ECUYER			
10.00-10.30	COFFEE BREAK			
10.30-12.30	PARALLEL SESSIONS			
	ROOM A	ROOM B	ROOM C	ROOM D
	SIMULATION METHODOLOGY	AGENT BASED PLANNING	HIGH PERFORMANCE SIMULATION	PROCESS SIMULATION
12.30-14.00	LUNCH BREAK			
14.00-15.00	PARALLEL SESSIONS			
	ROOM A	ROOM B	ROOM C	ROOM D
	SIMULATION TOOLS	AGENT BASED MODELS	FLUID FLOW SIMULATION	BACK-UP SESSION
15.00-15.30	COFFEE BREAK			
15.30-18.00	PARALLEL SESSIONS			
	ROOM A	ROOM B	ROOM C	ROOM D
	SIMULATION MODELS	SOCIAL AGENTS	PETRI NETS SIMULATION	WEB BASED SIMULATION
18.00 19.00 GET-TOGETHER-PARTY				

TUESDAY, 23rd OCTOBER 2007

08.30-17.00	REGISTRATION			
09.00-10.00	PARALLEL SESSIONS			
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10.30-12.30	PARALLEL SESSIONS			
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14.00-15.00	PARALLEL SESSIONS			
	ROOM A	ROOM B	ROOM C	ROOM D
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15.30-18.00	PARALLEL SESSIONS			
	ROOM A	ROOM B	ROOM C	ROOM D
	CONCEPTUAL MODELS II AND TOOLS FOR COMPLEX SYSTEMS	INTELLIGENT AGENT MODELLING	SIMULATION IN EDUCATION	ELECTRICAL SIMULATION
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WEDNESDAY, 24th OCTOBER 2007

08.30-09.30	REGISTRATION		
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	ARTIFICIAL INTELLIGENCE	MODELLING APPLICATIONS I	PERFORMANCE OPTIMIZATION
10.00-10.30	COFFEE BREAK		
10.30 12.30	PARALLEL SESSIONS		
	ROOM A	ROOM B	ROOM C
	ADAPTATION AND SELF ORGANIZATION	MODELLING APPLICATIONS II AND SCICOS/MODELICA	BIOLOGICAL SIMULATION
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Notes

NOTES

Monday, 22nd October 2007

HALLWAY

Registration

08.00 - 17.00

ROOM A

09.00 – 10.00

Opening ESM'2007 and Welcome

Welcome Address

Professor Charles Sammut
Dean of the University of Malta, Physics Department

Dr. Jaroslav Sklenar
The University of Malta
ESM2007 General Conference Chair

Professor Gerrit Janssens
University of Hasselt
EUROSIS President

09.15 – 10.00

KEYNOTE SPEECH

Chair: Jaroslav Sklenar, University of Malta, Malta

Variance Reduction's Greatest Hits

Pierre l'Ecuyer 5

Welcome

Monday, 22nd October 2007

**10.00 - 10.30
COFFEE BREAK**

10.30 – 12.30

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SIMULATION METHODOLOGY
 Chair: J.Manuel Feliz Teixeira, University of Porto, Portugal

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Norbert Adamko, Valent Klima and Antonin Kavička 364

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Chair: Gabor Lencse, Szechenyi Istvan University, Gyor, Hungary

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Livia Kacsukné Bruckner 569

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This session is for people who cannot present their paper at the allotted time within the conference programme and who would like to move their presentation to this session. Authors are required to inform the organization before the start of the conference.

15.00 - 15.30
COFFEE BREAK

15.30 - 18.00

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GET-TOGETHER-PARTY

Tuesday, 23rd October 2007

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09.00 – 10.00

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BACK-UP

BACK-UP SESSION

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ROOM D- 14.00-15.00

SIMULA

TUTORIAL

Super-Object-Oriented Programming

Eugeniusz Sroczan

15.00 - 15.30

COFFEE BREAK

15.30 – 18.00

ROOM A- 15.30-17.30

COMPLEX

CONCEPTUAL MODELS AND TOOLS FOR COMPLEXITY

ANALYSIS II

Chair: Jean-Marc Ginoux, IUT de Toulon, France

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THE ESM2007 SHUTTLE BUSES WILL PICK UP THE PARTICIPANTS AT THE ENTRANCE OF THE HOTEL AT 19.15 TO TAKE THEM TO THE CONFERENCE DINNER SITE AND BACK TO THE HOTEL AT 23.00

Tuesday, 23rd October 2007

CONFERENCE DINNER – 20.00 -23.00



Black Pearl Restaurant

Ta`Xbiex Marina

Ta`Xbiex

Malta

**Tel: +356-343970 / +356-343971 /
+359-973644**

Fax: +356-323719

Conference Dinner - Tuesday

Wednesday, 24th October 2007

HALLWAY

Registration

08.30 - 09.30

09.00 – 10.00

ROOM A- 09.00-10.00 **AI**
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10.00 - 10.30

COFFEE BREAK

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ROOM A- 10.30-12.30

COMPLEX

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BEST PAPER

CLOSING SESSION AND BEST PAPER AWARD

Chair: Jaroslav Sklenar, University of Malta, Malta

**SEE YOU ALL
OCTOBER 2008
FOR ESM'2008**

The ESM'2008 location will be posted in November

**Track proposals and tutorial proposals can be sent
in by January 30th, 2008**

Other Conferences for 2008

FUBUTEC'2008-EUROMEDIA'2008 and ECEC'2008

April 9-11, 2008

FEUP-University of Porto, Portugal

ISC'2008

June 9-11, 2008

Universite de Lyon, France

FOODSIM'2008

End of June

University of Cork, Ireland

GAMEON-NA 2008

August 18-20

McGill University, Montreal, Canada

Parallel Sessions - Wednesday

CONFERENCE HOTEL


The **ESM'2007** conference will be held at the


THE WESTIN
DRAGONARA RESORT
Malta

[Westin Dragonara Hotel](#)

Dragonara Road

St. Julians STJ 02, Malta

 Tel: +356.21.381.000

 Fax: +356.21.381.347

 Email: westin.dragonara@westin.com

Check in: 3:00 PM

Check out: 12:00 PM



How to get to the hotel

1.1.1 From Malta Int'l Airport

Take the main road following the signs to Valletta. After passing through Marsa, take the Sliema Exit and follow the signs to St. Julians. Then enter Paceville and drive towards the casino.

1.1.2 From Valetta

Take the main road through Floriana following the signs to Ta'Xbiex, then Msida. From Msida take the main road following the signs to St. Julians. Then enter Paceville and drive towards the casino.

Conference Site Maps

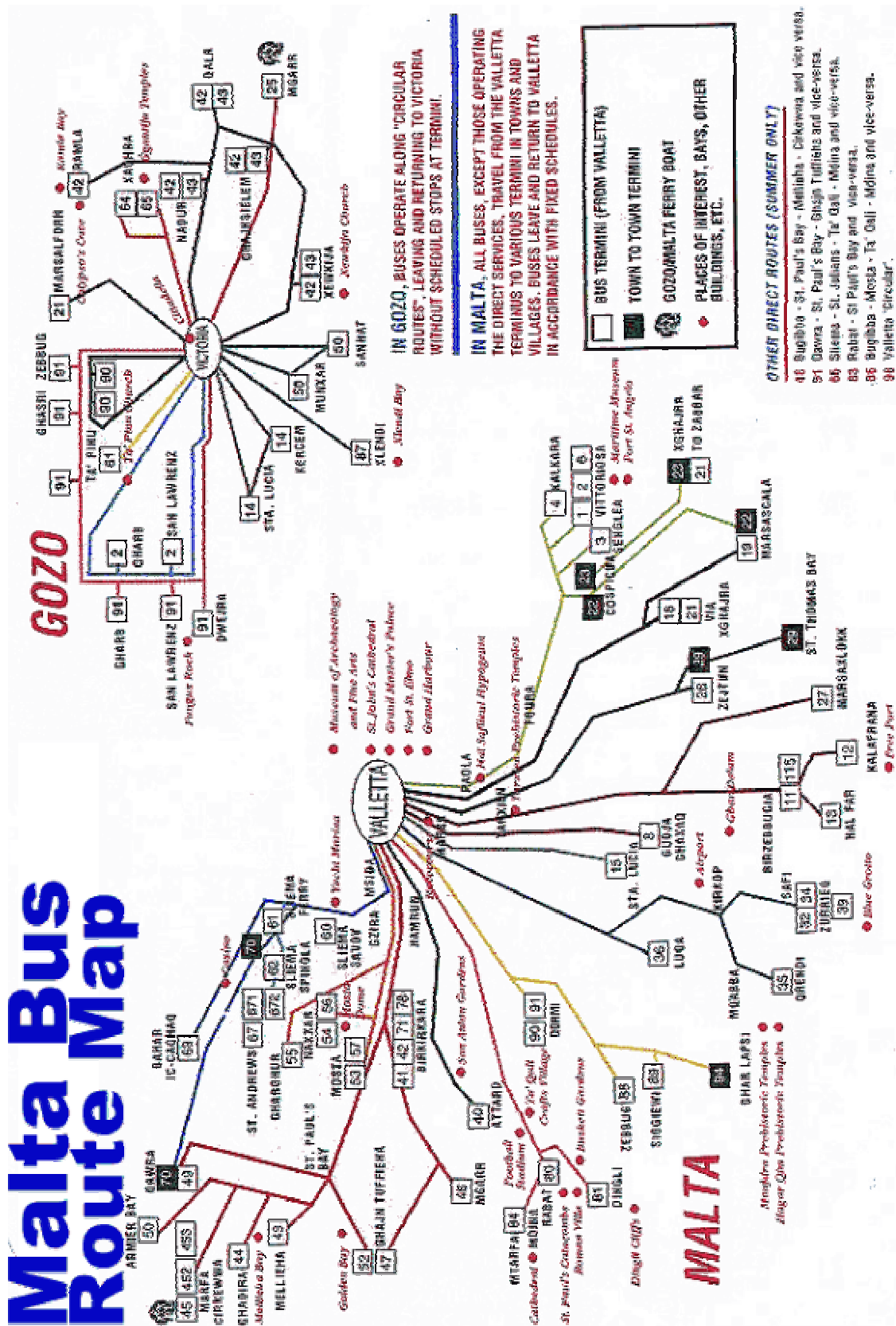
HOTEL AND SURROUNDING AREA



Conference Site Maps



Conference Site Maps



eurosis

EUROSIS info

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.

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

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