

Final Program



27-29. October 2003



Organized by



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Under the Patronage of

the Consiglio Regionale della Campania (Campania Regional Council)
Assessorato all' Università e Ricerca Scientifica, Innovazione Tecnologica e
Nuova Economia

Contents

Contents

General Information	4
Conference Location	4
How to get there.....	4
Badges.....	4
Tickets.....	4
Registration.....	5
Conference Proceedings.....	5
Need Help?	5
Meeting Rooms	5
Social Event and Lunches.....	5
Company Visit	5
Best Paper Award.....	6
Paper Legend	6
Quick Program Overview.....	7
Notes.....	10
Scientific Program.....	11
Monday, October 27.....	11
Tuesday, October 28	20
Wednesday, October 29	29
Conference Locations.....	32
EUROSIS Info.....	37

General Information

1. Conference Location

The ESMc conference itself, is held at the main building of the Consiglio Regionale della Campania in the new administrative centre of Naples under the patronage of the CRC and of the Assessorato alla Ricerca Scientifica The CRC is located at the Centro Direzionale, Isola F13.

The registration desk will be placed near the Internet Room from Monday morning onwards, where registration will start. On Monday and Tuesday registration will be from 8.30 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

TRAVEL INFO

From Hotel Holiday Inn: You are already at "Centro Direzionale"

From Hotel Rex : Go through via Nazario (the way beneath the sea) until you reach via Ferinando Acton (in red). At The first bus station get on the TRAM n.1 or any bus to Piazza Garibaldi. Get Off at Piazza Garibaldi(you can see a copper statue of Garibaldi). Get On the "Vesuviana" railway (near the central station in Piazza Garibaldi) to Centro Direzionale.

From P.za Garibaldi (Hotel Terminus and Central Station) Get the "Vesuviana" railway to "Centro Direzionale" near the central station.

From the airport: the best choice is to get a taxi

To P.Za Garibaldi (central station and Hotel Terminus) from the Airport: outside the Airport there is a bus (ALIBUS) leaving from it every 15 minutes. It stops directly in Piazza Garibaldi. Another Bus you can get outside the Airport to reach P.Za Garibaldi are the numbers:14 and 15

To Centro direzionale from P.za Garibaldi (central station and Hotel Terminus).

Outside the central station you can get the buses n. 30 and 58. You can reach the Centro Direzionale by foot also, turning on the right leaving the central station. You have to get "Corso Meridionale" getting the first turn on the right. The Centro direzionale is about 1 Km far from the beginning of the way.

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	
Trip and inner on Wednesday	20 EURO	

General Information

4. Registration

The ESM'2003 Registration Desk will be open for information and registration:

Monday, October 27 8.15 a.m. to 5.00 p. m. in the hallway of CRC
Tuesday, October 28..... 8.15 a.m. to 5.00 p. m. in the hallway of CRC
Wednesday, October 29 8.30 a.m. to 10.00 a.m. in the hallway to CRC

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'2003)

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

ESM'2003 Proceedings	50 EURO
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6. Meeting Rooms

The four meeting rooms will be indicated by EUROSIS signs at the event.

7. Need Help?

Please see the conference desk for your questions

8. Social Events and Lunches

All registrants are invited to

All **buffet lunches** are served at CRC.

The Conference Dinner

All participants are invited to the conference dinner on Tuesday the 28th of October. The conference dinner will be held at la Bersagliera, Borgo Marinari 10/11, Santa Lucia 80132 Naples. Tel: +081.764.6016. Participants will meet at the bridge along the promenade near the Castel d'Oro in Naples at 8.00 p.m. (an exact plan will be posted at the registration desk)

The Conference Trip and visit on Wednesday afternoon to ancient Stabia, then the Fincantieri (**Cantieri Navali in Castellammare di Stabia**) shipyard in Castellammare followed by a "welcome" from the Major of Castellammare di Stabia, Ersilia Salvato, and Assessore for Culture Emma Giammattei. Followed by dinner at the Tico Tico Restaurant in Castellammare.

As we need to give an exact number of participants for this event, we would appreciate **your confirmation at the desk before Monday evening.**

General Information

9. Company Visit

A Company visit is scheduled for Tuesday afternoon to the Multimedia Design Laboratory of ARPA. University "Federico II" of Naples This is within walking distance of the CRC Building.

A company visit is envisaged to the **FINCANTIERI - Cantieri Navali in Castellammare di Stabia** shipyard.

The bus for the visit will leave CRC at 2.00 p.m. on Wednesday afternoon. The visit will be part of the Wednesday trip.

a. 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'2003 conference.

b. Paper Legend:

O= Overhead
SL= Slide Projector
LCD= Projector
VCR= Video
PC= PC

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>

SUNDAY, 26th OCTOBER 2003

MONDAY, 27th OCTOBER 2003

08.30-17.00	REGISTRATION
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09.00-10.15	OPENING SESSION AND KEYNOTE SPEECH BY MANUSH GUPTA IN ROOM A
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10.15-10.30	COFFEE BREAK
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10.30-12.30	PARALLEL SESSIONS				
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	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	INVITED PRESENTATION ALOK CHOUDARY	SIMULATION LANGUAGES AND MODELS	WEB BASED SIMULATION	NUMERICAL MODELLING TECHNIQUES	INTERNET ROOM

12.30-13.30	LUNCH BREAK				
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13.30-15.00	PARALLEL SESSIONS				
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	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	INVITED PRESENTATION PETER KACSUK	SIMULATION IN HEALTH CARE MANAGEMENT	PETRI NETS II	PERFORMANCE MODELLING AND ANALYSIS I	INTERNET ROOM

15.00-15.30	COFFEE BREAK				
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15.30-17.30	PARALLEL SESSIONS				
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	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	DISTRIBUTED HARDWARE SOFTWARE ENVIRONMENTS	TRAFFIC SIMULATION TOOLS AND SIMULA APPLICATIONS	PETRI NETS III	PERFORMANCE MODELLING AND ANALYSIS II	INTERNET ROOM

18.00 FREE EVENING

TUESDAY, 28th OCTOBER 2003					
08.30-17.00	REGISTRATION				
09.00-10.00	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	DISTRIBUTED SIMULATION IN PRODUCTION	TOOLS FOR ENERGY SIMULATION	AI AGENTS	INVITED PRESENTATION LUCILLA DE ARCANGELIS	INTERNET ROOM
10.00-10.30	COFFEE BREAK				
10.30-12.30	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	VALIDATION, ANALYSIS AND EVALUATION	PETRI NETS I	AI IN EXPERT SYSTEMS	SIMULATION OF BIOLOGICAL SYSTEMS	INTERNET ROOM
12.30-13.30	LUNCH BREAK				
13.30-15.00	PARALLEL SESSIONS AND COMPANY VISIT TO THE MULTIMEDIA DESIGN LABORATORY AT ARPA				
	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	OBJECT ORIENTATION AND RE-USE	TUTORIAL	NEURO FUZZY MODELLING	SIMULATION IN DISEASE CONTAGION	INTERNET ROOM
15.00-15.30	COFFEE BREAK				
15.30-17.30	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	SIMULATION IN DISTRIBUTED NETWORKS	SIMULATION IN SERVICES AND MANAGEMENT	NEURO FUZZY MODELLING WITH EXPERT SYSTEMS	SIMULATION IN ECOSYSTEMS	INTERNET ROOM
20.00	CONFERENCE DINNER at La Bersagliera				

WEDNESDAY 29th OCTOBER 2003

08.30-10.00	REGISTRATION				
09.00 10.00	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	DISTRIBUTED SIMULATION APPLICATIONS	ROBOTICS SIMULATION	FLUID FLOW SIMULATION	VR APPLICATIONS	INTERNET ROOMI
10.00-10.30	COFFEE BREAK				
10.30 12.00	PARALLEL SESSIONS				
	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
	MOSAIC-GAMENET AND EUROSIS TC UPDATE MEETING	BACK-UP SESSION	ANALYTICAL SIMULATION OF ELECTRONIC CIRCUITS	GRAPHICS VISUALIZATION SIMULATION	INTERNET ROOM
12.00-12.15	CLOSING SESSION AND BEST PAPER AWARD ROOM A				
14.00-22.00	Afternoon trip ancient Stabia, then the Fincantieri (Cantieri Navali in Castellammare di Stabia) shipyard in Castellammare followed by a "welcome" from the Major of Castellammare di Stabia, Ersilia Salvato, and Assessore for Culture Emma Giammattei. Followed by dinner at the Tico Tico Restaurant in Castellammare.				

NOTES

Monday, 27th October 2003

HALLWAY

Registration

08.30 - 17.00

MAIN HALL

09.00 - 09.30

Opening ESM[®]2003 and Welcome

Welcome Address

Dr. Beniamino Di Martino
University of Naples II
ESM'2003, General Conference Chair
Welcome by

Ing. Bruno Casamassa, President of CRC

Prof. Luigi Nicolais, the "Assessore" (regional minister) of the assessurato

Prof. Antonio Grella, Rector of the University of Naples II

Prof. Oreste Greco, Dean of the faculty of Engineering at the University of Naples II

Philippe Geril
EUROSIS, Ghent University
EUROSIS Coordinator

Welcome

Monday, 27th October 2003

MAIN AUDITORIUM

09.30 - 10.15

KEYNOTE SPEECH

Chair: Beniamino Di Martino, University of Naples II, Naples, Italy

BlueGene/L: A Powerful Platform for Simulation

Manish Gupta **552**

10.15 - 10.30

COFFEE BREAK

Monday, 27th October 2003

10.30 – 13.00

ROOM A- 10.30-11.30

HPC

INVITED PRESENTATION

Chair: Beniamino Di Martino, University of Naples II, Naples, Italy

INV

A Case for on-line Data Analysis for large-scale Scientific Simulations

Alok Choudhary5

ROOM B- 10.30-12.00

METH

SIMULATION LANGUAGES AND MODELS

Chair: Sergio Briguglio, ENEA Italia, Frascati, Italy

METH-3

Extending the capabilities of the SMPL discrete-event simulation language

X. Moleró, V. Santonja, I. Torregrosa and J.A. Alegre..... 19

METH-4-LCD

On the Use of DOE for Characterization of Javaspaces

Hans De Neve, Frederic Hancke, Tom Dhaene, Jan Broeckhove and Frans Arickx.... 24

METH-21-GRAPH

A Simulation Model for Streaming Applications over a Power Manageable Wireless Link

Andrea Acquaviva, Emanuele Lattanzi, Alessandro Bogliolo and Luca Benini..... 30

ROOM C- 10.30-12.00

WEB

WEB BASED SIMULATION

Chair: Marcello Martinez, University of Naples II, Naples, Italy

WEB-2-LCD

Packet Delay Models in Packet Switched Networks Performance Assessment through Capacity Measurements

Leopoldo Angrisani, Michele Vadursi, Salvatore D'Antonio and Giorgio Ventre 465

Parallel Sessions - Monday

Monday, 27th October 2003

WEB-3-O
Website Migration Resource Scheduling of Adaptive Distributed Multimedia
Web Servers
Mohammad Riaz Moghal and Mohammad Saleem Mian 470

WEB-4-ANMT
The Effect of Traffic Engineering in Planning and Capacity Scaling on
Internet Platforms
Gerhard Hasslinger and Stefan Schnitter..... 475

ROOM D- 10.30-12.00 **ANMT**
NUMERICAL MODELLING TECHNIQUES
Chair: Baris Tan, Koc University, Istanbul, Turkey

ANMT-11-STUDENT
Direct Numerical Methods of mathematical modeling in Mechanical Structural
Design
Jihad Sahli..... 387

ANMT-2
Advanced Equation Assembling Techniques for Numerical Simulators
Stephan Wagner, Tibor Grasser, Claus Fischer and Siegfried Selberherr 390

ANMT-PETRI-9
On Solving Ordinary Differential Equation Systems with Generalized Stochastic
Petri Nets
Olli-Matti Penttinen 395

ROOM D- 10.30-12.30 **INTERNET**
INTERNET ROOM

12.30 - 13.30
LUNCH BREAK

Monday, 27th October 2003

13.30 – 15.00

ROOM A- 13.30-14.30

HPC

INVITED PRESENTATION

Chair: Beniamino Di Martino, University of Naples II, Naples, Italy

INV

Development and execution of HPC applications on Clusters and Grids by

P-GRADE

Peter Kacsuk..... 6

ROOM B- 13.30-15.00

BIO

SIMULATION IN HEALTH CARE MANAGEMENT

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

HOSLOG-1

Logistical Flow Optimising in Medical Care Processes

Z. Hořáková, J. Dvořáková, Z. Mikša and V. Urbánková 375

BIOMAG-1-O

The Impact of Education on Healthcare: A Malaria Agent-Based Simulation

Fatima Rateb, J.J. Merelo, M.G. Arenas, Bernard Pavard and

Narjes Bellamine-BenSaoud..... 378

BIOMAG-2

Emergency Service: A generalised Flexible Simulation Model

Paola Facchin and Giorgio Romanin-Jacur 541

ROOM C- 13.30-15.00

PETRI

PETRI NETS II

Chair: Massimiliano Rak, University of Naples II, Naples, Italy

PETRI-3

Petri Net distributed simulation using HLA based on Petri net components

Stephanie Combettes and Alexandre Nketsa..... 503

Parallel Sessions - Monday

Monday, 27th October 2003

PETRI-7-O-LCD
Encapsulation in an Object-Oriented Notation based on Modular Petri Nets
Cecile Bui Thanh and Hanna Kludel..... 508

PETRI-12
Using meta-modelling to process Petri Nets Models of Supply Chains
Hendrik Van Landeghem and Carmen Bobeanu..... 513

ROOM C- 13.30-15.00 **ANMT**
PERFORMANCE MODELLING AND ANALYSIS I
Chair: Michele Cioffi, University of Naples II, Naples, Italy

ANMT-4-PETRI
Coupling Formal Methods in a Performance Modelling Methodology for
Etherogeneous Supervisory Systems
Francesco Moscato, Mauro Iacono and Nicola Mazzocca..... 403

ANMT-8-PETRI
Approximate and Simulation Based Analysis for Distributed Object Software
Performance Models
Panajotis Katsaros and Constantine Lazos 409

ANMT-7-LCD
Performance Analysis of Auction-Based Allocation Mechanisms for Cooperation
of Manufacturers on Production Capacity
Baris Tan..... 415

ROOM D- 13.30-15.00 **INTERNET**
INTERNET ROOM

15.00 - 15.30
COFFEE BREAK

Monday, 27th October 2003

15.30 - 18.00

ROOM A- 15.30-18.00 **HPC**

DISTRIBUTED HARDWARE SOFTWARE ENVIRONMENTS

Chair: Marco Briscolini, IBM Italia

HPC-3

**MPI+OpenMP Implementation of Memory Saving Parallel Pic Applications
on Hierarchical Distributed Shared Memory Architectures**

Sergio Briguglio, Giuliana Fogaccia, Gregorio Vlad and Beniamino Di Martino 247

METH-19-HPC-O

Logic Gate Modeling and Simulation using Generalized Discrete Event

Specifications: G-DEVS

Aziz Namaane and Norbert Giambiasi 252

HPC-7

Distributed Computing for Electromagnetic Optimal Design

Marco Cioffi, Alessandro Formisano and Raffaele Martone..... 257

HPC-5-LCD

**Dynamic Problem-Independent Metacomputing Characterization Applied To
The Condor System**

**P. Hellinckx, G.Stuer, F. Hancke, D. Dewolfs, F. Arickx, J. Broeckhove
and T. Dhaene 262**

HPC-4-PETRI-LCD

The HeSSE Simulation Environment

N. Mazzocca, M. Rak, R. Torella, E. Mancini and U. Villano 270

ROOM B- 15.30-17.30 **TOOLS**

TRAFFIC SIMULATION TOOLS AND SIMULA APPLICATIONS

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

TOOLS-9

The “Simulation of Urban Mobility” Package: An Open Source Traffic Simulation

**Daniel Krajewicz, Markus Hartinger, Georg Hertkorn, Peter Mieth, Christian Roessel,
Peter Wagner and Julia Ringel 129**

Parallel Sessions - Monday

Monday, 27th October 2003

TOOLS-11-LCD
An Approach for Dynamic Supply Chain Modelling
J. Manuel Feliz Texeiro and António E. S. Carvalho Brito 132

SIMULA-1-O-LCD
Object-Oriented Modularity of SIMULA
Jaroslav Sklenar 117

SIMULA-2-O
Simulation of FMS including Automated Guided Vehicle
 Evzen Kindler, Ivan Křivý, Philippe Lacomme and Alain Tanguy 122

ROOM C- 15.30-17.00 **PETRI**
PETRI NETS III
Chair: Carmen Bobeanu, Ghent University, Ghent, Belgium

PETRI-5-LCD
A Simulation Platform for Petri Net Models of Dynamically Modifiable Embedded Systems
Wang Yan Liu, Carsten Rust and Friedhelm Stappert..... 521

PETRI-8-LCD
Integrating Load Balancing into Petri-Net based Embedded System Design
 Carsten Rust, Friedhelm Stappert and Stefan Schamberger 526

PETRI-11
Modeling of Manufacturing System for Performance Analysis: An Approach Based on GSPN
Mauro Silva, Paulo Maciel and Wellington Silva..... 531

ROOM D- 15.30-16.30 **ANMT**
PERFORMANCE MODELLING AND ANALYSIS II
Chair: Michele Cioffi, University of Naples II, Naples, Italy

ANMT-3-PETRI
A New Approach to the Modelling and Analysis of Complex Discrete Systems
A. A. Veselov, Chirag Pathak and Edmund Kazmierczak..... 420

ANMT-X
Analysis of the “reliable criticalities” in a sintering plan: an application of Integrated Factors Method (I.F.M.)
Domenico Falcone, Gianpaolo Di Bona and Alessandro Silvestri 546

Monday, 27th October 2003

**ROOM E- 15.30-18.00
INTERNET ROOM**

INTERNET

FREE EVENING

Parallel Sessions - Monday

Tuesday, 28th October 2003

HALLWAY

Registration

08.30 - 17.00

09.00 – 10.00

ROOM A- 09.00-10.00

METH

DISTRIBUTED SIMULATION IN PRODUCTION

Chair: Raffaele Martone, University of Naples II, Naples, Italy

METH-6-HPC-LCD

Distributed Modular Simulation of Mechatronic Systems

Alfonso Gambuzza and Oliver Oberschelp 37

METH-22

A Simulation Study for Assessing the Performance of Manufacturing System of Aerospace Industry

Mohd Kamal Mohd Nawawi and Razman Mat Tahar..... 44

ROOM B- 09.00-10.00

TOOLS

TOOLS FOR ENERGY SIMULATION

Chair: Umberto Villano, University of Sannio, Sannio, Italy

TOOLS-1

Simulation of District Heating Systems for evaluation of Real-Time Control Strategies

Fredrik Wernstedt, Paul Davidsson and Christian Johansson..... 143

TOOLS-3

SIMREN: A Simulation Tool for Renewable Energy Systems

Stefan Herbergs, Harry Lehmann and Stefan Peter 148

ROOM C- 09.00-10.00

AI

AI AGENTS

Chair: Jaroslav Sklenar, University of Malta, Malta

AI-5-O

A Dynamic Environment Simulator

Xiangdong An and Yang Xiang 187

Tuesday, 28th October 2003

AI-3

A Simulation of Intelligent Knowledge Based Agents exploring Their Environment
Hubertus Franke, Hendrik Renken, Peter Scheideler and Andreas Schmidt..... 192

ROOM D- 09.00-10.00

INVITED

INVITED PRESENTATION

Chair: Beniamino Di Martino, University of Naples II, Naples, Italy

INV

Modelling Physics from Materials to Environmental Problems

Lucilla de Arcangelis..... 14

ROOM E- 09.00-10.00

INTERNET

INTERNET ROOM

10.00 - 10.30

COFFEE BREAK

10.30 - 12.30

ROOM A- 10.30-12.30

METH

VALIDATION, ANALYSIS AND EVALUATION

Chair: Giorgio Ventre, University "Frederico II", Naples, Italy

METH-7

Simulation Software and Mathematical Analysis of Simulation Results

Johann Christoph Strelen..... 51

METH-10-VISUAL

Manufacturing Data Validation through Simulation

Guodong Shao, Y. Tina Lee and Charles McLean..... 56

METH-9-TOOLS

Towards Performance Evaluation of Mobile Systems in UML

Simonetta Balsamo and Moreno Marzolla 61

Parallel Sessions - Tuesday

Tuesday, 28th October 2003

METH-16

Simulation of the Behavior a new Model of Reverberating Chamber for the Evaluation of Electromagnetic Compatibility in the Time Domain

Nicola Pasquino 69

ROOM B- 10.30-12.00

PETRI NETS

PETRI NETS I

Chair: Alexandre Nketsa, Universite Paul Sabatier, Toulouse, France

PETRI-2-O

Switched LAN Simulation by Colored Petri Nets

Dmitry A. Zaitsev 485

PETRI-4

Real-Time Model for processing both scheduling and Petri Net Approaches

Mahfoud Mabel and Marc Bourcerie 489

PETRI-10

Simulating Quantum Interference in Feynman's *p*not-computer with Petri Nets

Leo Ojala, and Olli-Matti Penttinen..... 494

ROOM C- 10.30-12.00

AI

AI IN EXPERT SYSTEMS

Chair: Annamaria Molinari, University of Naples li, Naples, Italy

EXPERT-1

An Expert System for Yarn Dyeing

M. R. Shamey and T. Hussain 199

EXPERT-3

An Implementation of DYVELOP Method to Process System Design

Zbyněk Mikša, Zuzana Hošáková, Jana Dvorská, Jaromír Dvorský, Jirí Urbánek

and Veronika Urbankova 203

EXPERT-2-ECOLOGY

The CVCA Model; A Cellular Automaton Model of Landscape Ecological Strategies

Jack Wileden, Elisabeta A.Silva and Jack Ahern 206

Tuesday, 29th October 2003

ROOM D- 10.30-12.00

BIO

SIMULATION OF BIOLOGICAL SYSTEMS

Chair: Giorgio Romanin-Jacur, University of Padova, Padova, Italy

BIO-3-LCD

**Computer-Aided Performance Assessment of a New Measurement Algorithm
for Ultrasonic Based Sensors**

Leopoldo Angrisani and Rosario Schiano Lo Moriello 323

BIO-4-VISUAL-LCD

**Modelling and Simulation of Biological Process (Neural Action Potential) with
Hybrid Tools used in Computer Science**

Jens Kohlmeyer, Stefan Sarstedt and Wolfgang Mader 328

BIO-6-VISUAL

Metvis: A Tool for Designing and Animating Metabolic Networks

E. Qeli, B. Freisleben, D. Degenring, A. Wahl and W. Wiechert..... 333

ROOM E- 10.30-12.30

INTERNET

INTERNET ROOM

12.30 - 13.30

LUNCH BREAK

14.00 - 15.30

**COMPANY VISIT TO MULTIMEDIA DESIGN LABORATORY
AT ARPA FROM 14.00 – 16.00 for those participants, who
are not in sessions.**

Tuesday, 28th October 2003

ROOM A- 13.30-14.30

METH

OBJECT ORIENTATION AND RE-USE

Chair: Pasquale Russo, E-Works Sud

OBJECT-2-LCD

UML based FMECA in risk analysis

J. Guiochet and C.Baron 99

OBJECT-1

Object-Based Remote Resource Access Framework

Marin Lungu, Constantin Pistol and Anita Lungu 107

ROOM B- 13.30-15.00

TUTORIAL

Software Process Improvement through Process Modeling and Simulation: an integrative dynamics approach

Mercedes Ruiz, University of Cadiz, Isabel Ramos and Miguel Toro, University of Seville, Spain.

ROOM C- 13.30-15.00

AI

NEURO FUZZY MODELLING

Chair: Marco D'Apuzzo, University of Naples II, Naples, Italy

NEURAL-2

Datum Plane's Cover and Membership Functions in Fuzzy Modelling

Benmakrouha Farida 213

NEURAL-1

A Novel Neuro-Fuzzy System for Mobile Reactive Robot Navigation

Monaf S. N. Al-Din 216

NEURAL-5-O

Time Series Classification Based on Discrete-Space Feature Extraction

Željko Jagnjic, Nikola Bogunovic and Franjo Jovic 221

ROOM D- 13.30-14.30

BIO

SIMULATION IN DISEASE CONTAGION

Chair: Alessandro Formisano, University of Naples II, Naples, Italy

BIO-1

Modelling the Effect of Information Feedback on the Spread of Disease: A Case Study on the Ebola Virus

Bernadette O'Regan and Richard Moles 341

Tuesday, 28th October 2003

BIO-11-LCD

Simulation of Contagion by Tuberculosis in Public Places at US-Mexico Border Area

Carmen Jáuregui, Alfredo Cristobal-Salas, Antonio Rodriguez-Diaz and Manuel Castañón-Puga..... 348

ROOM E- 13.30-15.00 INTERNET ROOM

INTERNET

15.00 - 15.30
COFFEE BREAK

15.30 - 17.30

ROOM A- 16.00-18.00

TOOLS

SIMULATION IN DISTRIBUTED NETWORKS

Chair: Beniamino Di Martino, University of Naples II, Naples, Italy

TOOLS-4-0

On Using an Emulative Middleware to Model Wireless Networks Simulation Results and Validation

Stefano Cacciaguerra, Marco Roccetti, Vittorio Ghini and Stefano Ferretti..... 169

TOOLS-5

An XML Based Network Simulation Description Language

Roberto Canonico, Donato Emma and Giorgio Ventre..... 174

TOOLS-6-WEB

Extended NAM: An NS2 Compatible Network Topology Editor for Simulation of Web Caching Systems on Large Network Topologies

Roberto Canonico, Donato Emma and Giorgio Ventre..... 177

TOOLS-7-LCD

A Generic Framework for Performance Tests of Distributed Systems

Frederic Hancke, Tom Dhaene, Frans Arickx and Jan Broeckhove..... 180

ROOM B- 15.30-17.30

METH

SIMULATION IN SERVICES AND MANAGEMENT

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

Tuesday, 28th October 2003

METH-11	
A Statecharts Based Methodology for the Simulation of Mobile Agents	
<u>Giancarlo Fortino</u> and Wilma Russo.....	77
METH-14-SL	
Simulating Human Resources in Software Development Processes	
Thomas Hanne and <u>Holger Neu</u>	83
METH-23-O	
Optimal Recruitment in a Markovian Manpower Planning System	
<u>Süleyman Ozekici</u> and Ismail Kocaman.....	88
TOOLS-8-0	
Simulation Tool to Analyse Gender Diversity at Workplace	
<u>Ignacio J. Benítez</u> , José L. Díez, Juan A. Lacort, Pedro Albertos and Carlos Candela	92
ROOM C- 15.30-16.30	AI
NEURO FUZZY MODELLING WITH EXPERT SYSTEMS	
Chair: Razman Mat Tahar, University Utara Malaysia, Malaysia	
NEURAL-3	
Simulation and Modelling of Concurrency Control Enhancement through an Adaptive Neuro-Fuzzy Inference Expert System	
<u>Munib Qutaishat</u>	229
METH-8-NEURAL-O-LCD	
Machine Learning Fuzzy Method for the Modeling of Experts and Systems	
<u>Peter Otto</u>	237
ROOM D- 15.30-16.30	BIO
SIMULATION IN ECOSYSTEMS	
Chair: to be announced later	
BIO-7-LCD	
Changing the Level of Description in Ecosystem Models: An Overview	
<u>Pierrick Tranouez</u> , Sylvain Lerebourg, Cyrille Bertelle and Damien Olivier.....	355
BIO-5-LCD	
Hybrid and Hierarchic compartmental Approach for Ecosystem applied to Estuaries Modelization	
Guillaume Prevost, <u>Pierrick Tranouez</u> , Cyrille Bertelle and Damien Olivier.....	360

Tuesday, 28th October 2003

BIO-12-BIOMAG

The Possibility of Qualitative Modeling of Renewable Fish Resources

Ante Munitic, Merica Sliskovic, Josko Dvornik and Gorana Jelic 364

BIO-8-AI-LCD

Agent Modeling of the Caparo Forest Reserve

Magdiel Ablan, Jacinto Dávila,, Niandry Moreno,, Raquel Quintero

and Mayerlin Uzcátegui..... 367

ROOM E- 15.30-17.30

INTERNET ROOM

INTERNET

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 dinneris held at La Bersagliera, Borgo Marinari 10/11, Santa Lucia, 80132 Naples.

Wednesday, 29th October 2003

HALLWAY

Registration

08.30 - 10.00

09.00 – 10.00

ROOM A- 09.00-10.00

HPC

DISTRIBUTED SIMULATION APPLICATIONS

Chair: Beniamino Di Martino, University of Naples II, Naples, Italy

HPC-1-O-LCD

Model Integrity and Distributed Process Interaction Simulation

Hans P.M. Veeke and Jaap A. Ottjes 279

HPC-2-O-LCD

Transparent Distributed Discrete Event Modeling

Jaap A.Ottjes and Hans P.M.Veeke 283

ROOM B- 09.00-10.00

TOOLS

ROBOTICS SIMULATION

Chair: Bruno Fadini, University "Federico II" of Naples, Naples, Italy

TOOLS-2-VISUAL-VCR

VirtualRobot: An open general-purpose simulation tool for Robotics

Martin Mellado, Carlos Correcher, Juan Vicente Catret and David Puig..... 155

METH-15

Sliding mode control applied to mobile robot: Continuous-time and Discrete-time case

M. Hamerlain and T. Alalouche 163

ROOM C- 09.00-10.00

FLUID

FLUID FLOW SIMULATION

Chair: to be announced later

FLUID-2-O-LCD

Simulation of Electric Fields around Transmission Lines for Proximity Prediction

Amruth Sivalenka, Mohammed Saffiudin and Satish Mohan..... 453

Wednesday, 29th October 2003

ANMT-5-FLUID

Modelling of Layered Fluid Flow in a Circular Microchannel

Manisah Aumeerally and Renate Sitte..... 458

ROOM D- 09.00-10.00

GRAPHICS

VR APPLICATIONS

Chair: Philippe Geril, Ghent University, Ghent, Belgium

VISUAL-2

Spline Approximations of Flexible Deformations for Fast Dynamic VR

Visualizations

Kevin Tatur and Renate Sitte 309

A1-2-VISUAL

Automatic 3D Object Placement for 3D Scene Generation

Yoshiaki Akazawa, Yoshihiro Okada and Koichi Niijima..... 316

ROOM E- 09.00-10.00

INTERNET

INTERNET ROOM

10.00 - 10.30

COFFEE BREAK

10.30 - 12.30

ROOM A- 10.30-11.30

EU

MOSAIC-GAMENET AND EUROSIS TC UPDATE MEETING

Chair: Philippe Geril, Ghent University, Ghent, Belgium

This session will give an update on the present work of EUROSIS in European Projects.

ROOM B- 10.30-12.00

BACK-UP SESSION

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.

Wednesday, 29th October 2003

ROOM C- 10.30-12.30 ANMT ANALYTICAL SIMULATION OF ELECTRONIC CIRCUITS

Chair:

ANMT-6-LCD

Performance Assessment of Two D/A Models when operating on Telecommunication Signals

Leopoldo Angrisani, Massimo D'Apuzzo and Mauro D'Arco..... 429

ANMT-9-LCD

On the Use of Modulated S Parameters for Modeling RF Wideband Amplifiers

Leopoldo Angrisani, Francesco Falanga and Alessandro Masi..... 434

ANMT-13-SL

Numerical Method used for Simulation of Power Electronic Circuit. Modelisation of the Semi-Conductor by Perfect Switches

Faouzi Boulos..... 442

ANMT-12

Information Theoretic Approximations for the M/G/1 Retrial Queue with unreliable Server

A. Aissani and R. Smail 448

ROOM C- 10.30-12.00 GRAPHICS GRAPHICS VISUALIZATION SIMULATION

Chair: Renate Sitte, Griffith University, Gold Coast, Australia

VISUAL-1

Advanced Accident Flight Path Simulation and Innovative Visual Animation

Domenico P. Coiro, Agostino De Marco and Paolo Leoncini..... 291

VISUAL-3

Simulated Stroboscopic Illumination for Unsynchronized Motion Dynamics

Zhaoyi Li and Renate Sitte..... 298

METH-5

Integration of System Dynamics Models and Geography Information Systems

Stefano Mazzoleni, Francesco Giannino, Marco Colandrea, Massimo Nicolazzo and Jonathan Massheder..... 304

ROOM E- 10.30-12.00 INTERNET INTERNET ROOM

Wednesday, 29th October 2003

ROOM A 12.30 - 12.45

BEST PAPER

CLOSING SESSION AND BEST PAPER AWARD

Chair: Beniamino Di Martino and Philippe Geril

FROM 2.00 P.M. ONWARDS

Afternoon trip to ancient Stabia, then the Fincantieri (Cantieri Navali in Castellammare di Stabia) shipyard in Castellammare followed by a "welcome" from the Major of Castellammare di Stabia, Ersilia Salvato, and Assessore for Culture Emma Giammattei. Followed by dinner at the Tico Tico Restaurant in Castellammare.

**SEE YOU ALL
NEXT OCTOBER AT ESM[®]'2004
IN NAFPLIO, GREECE**

OR AT THE OTHER EUROSIS EVENTS FOR 2004

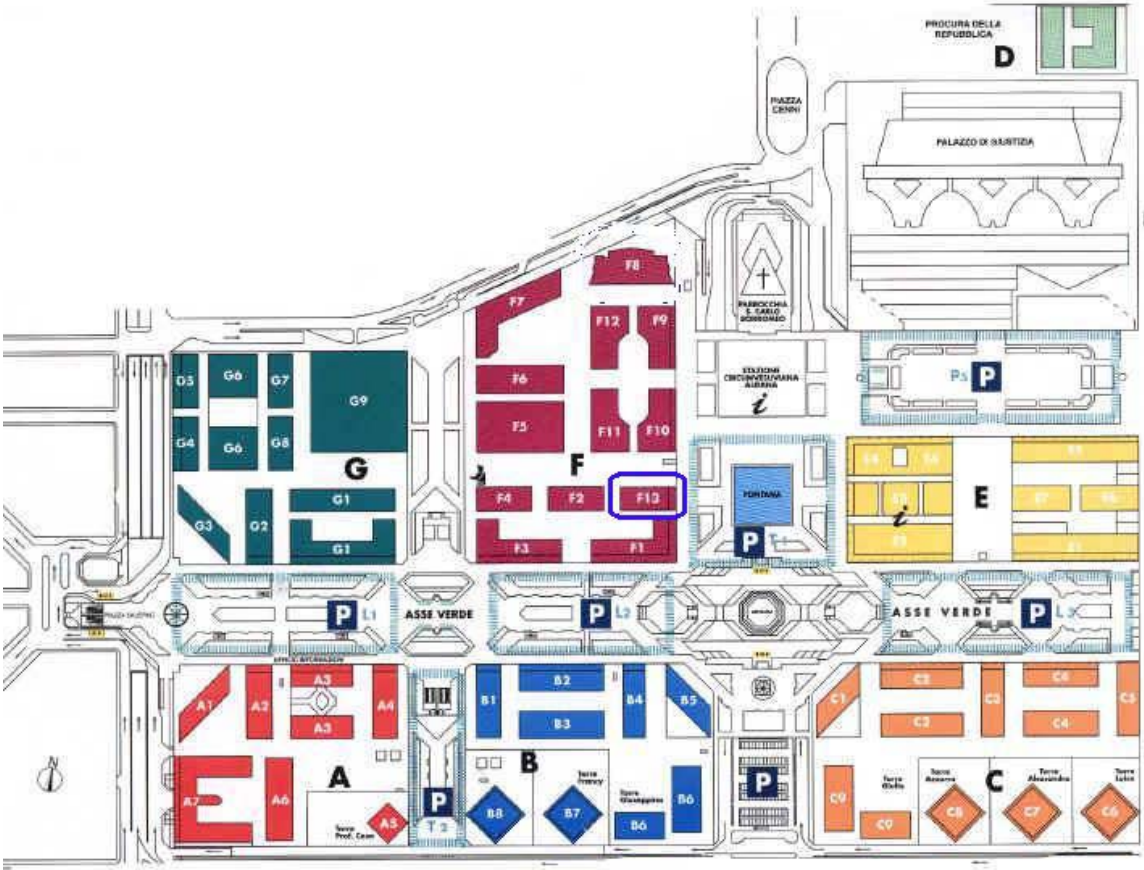
**FUBUTEC IN FONTAINEBLEAU, FRANCE (MARCH
12-13)**

**EUROMEDIA-ECEC-2004 IN HASSELT, BELGIUM
(APRIL 19-21)**

ISC'2004 IN MALAGA, SPAIN (JUNE 7-9)

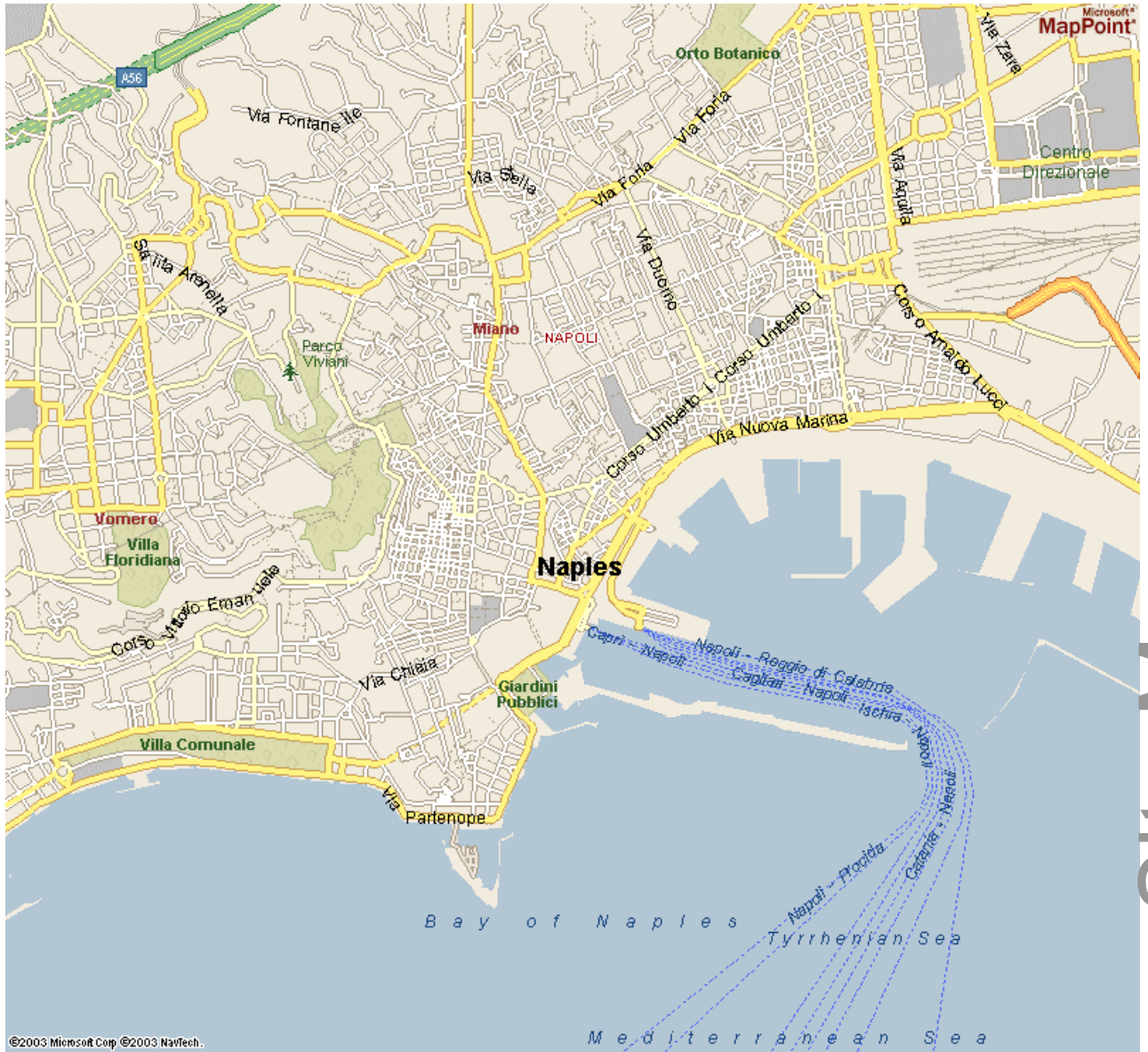
Conference Site Maps

Conference Site Maps



Plan of the Conference Area

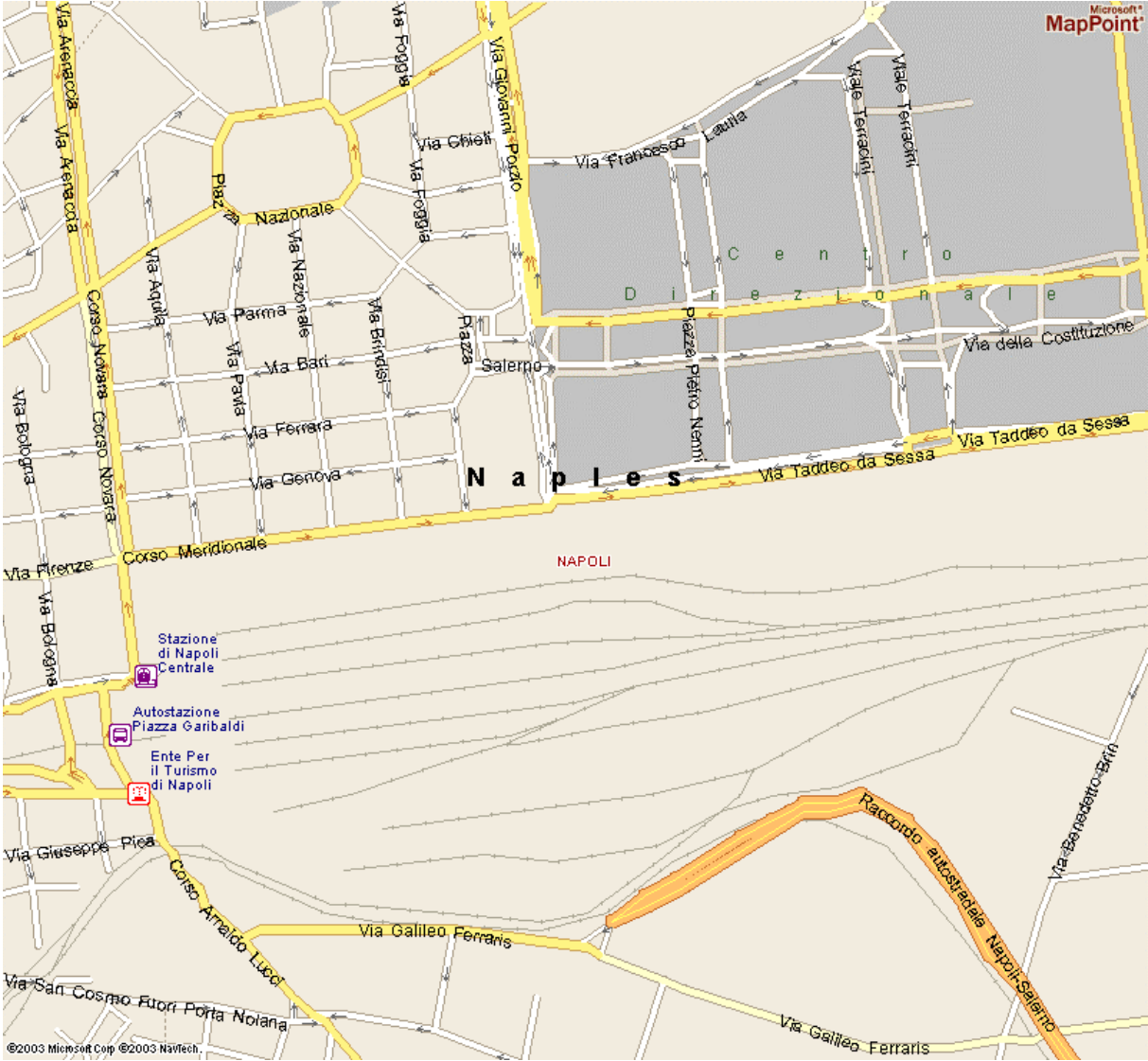
Conference Site Maps



Conference Site Maps

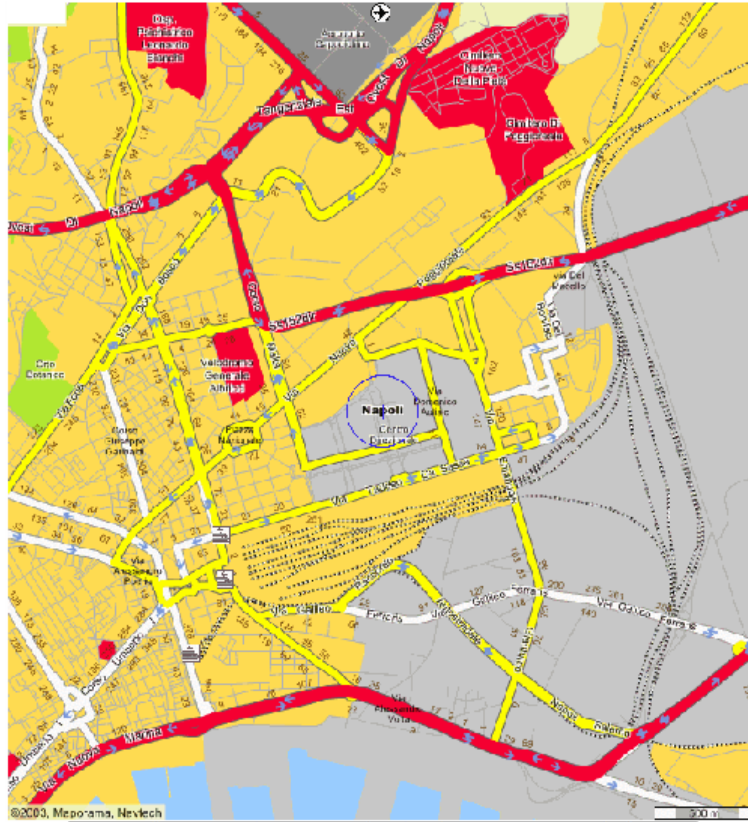
Conference Site Maps

Conference Site Maps



Naples City Centre

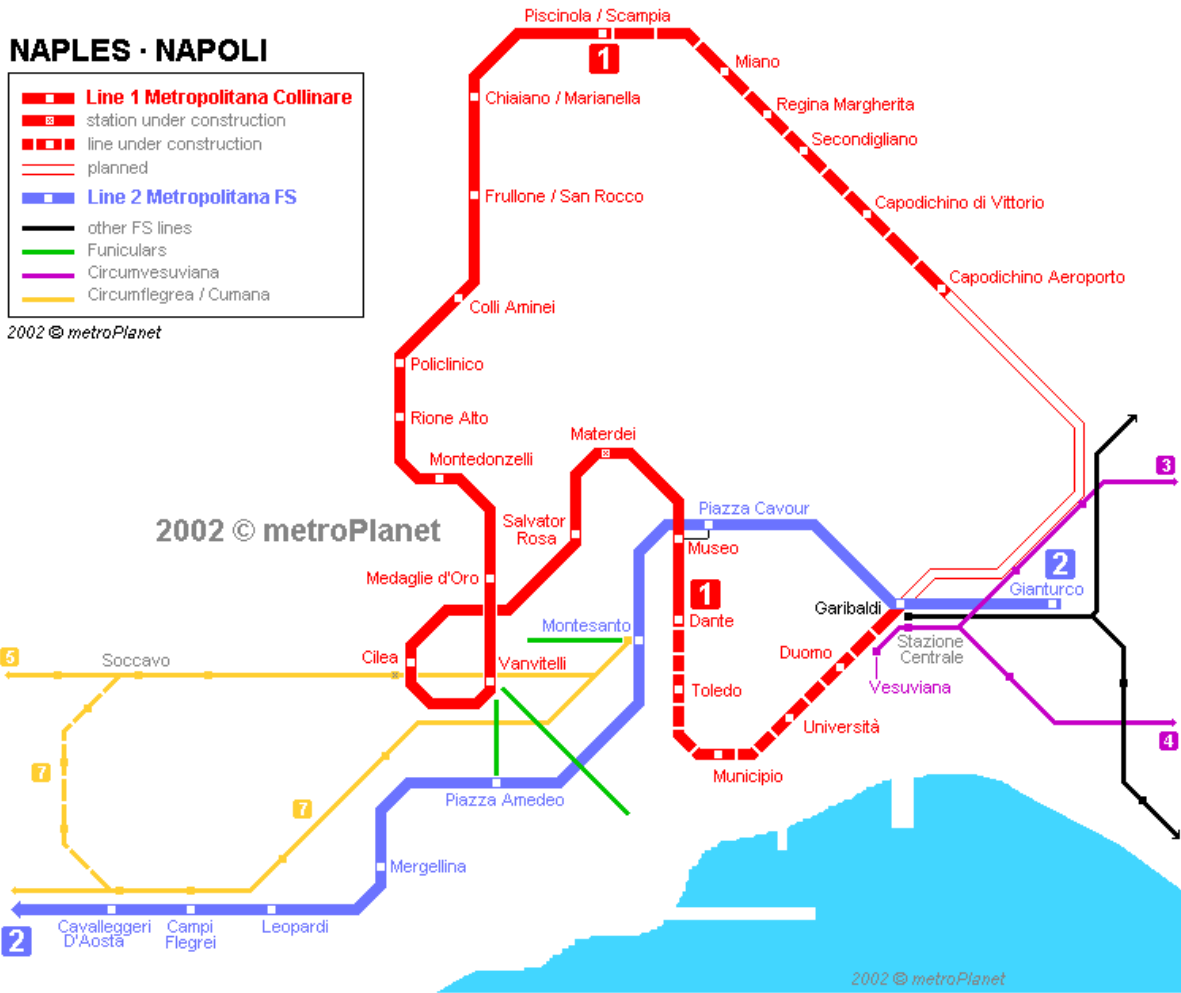
Conference Site Maps



Conference Site Maps

Conference Site Maps

Conference Site Maps





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, EU-GAMENET etc...

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

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