EURO-INFORMS JOINT INTERNATIONAL CONFERENCE ROME, ITALY JULY 1-4, 2013

FINAL REPORT

This report was prepared by Paolo Dell'Olmo and submitted to the EURO Executive Council

May 2014

Rome, Italy





1. PLANNING AND ORGANIZATIONAL DECISION-MAKING

In 2010, at the EURO XXIV Conference in Lisbon, the Italian Operational Research Society (AIRO) was formally appointed to host the EURO – INFORMS XXVI European Conference on Operational Research 2013 in Rome, Italy.

The Conference organization and structuring was carried out according to the agreement ("Rome Protocol") between EURO, INFORMS and AIRO signed in 2011.

1.1 Programme Committee

- Marc Sevaux (PC Co-Chair/EURO), Université de Bretagne-Sud, France
- David Simchi-Levi (PC Co-Chair/INFORMS), Massachusetts Institute of Technology, Cambridge, USA
- Sally Brailsford (EURO Vice President 1) University of Southampton, United Kingdom
- Maria Antonia Carravilla, Universidade do Porto, Portugal
- Marielle Christiansen, (EURO25 Chair) Norwegian University of Science and Technology, Trondheim, Norway
- Paolo Dell'Olmo (OC Chair), Sapienza University of Rome, Italy
- Guillermo Gallego, Columbia University, New York, USA
- Jérémie Gallien, London Business School, United Kingdom
- Michel Gendreau, Ecole Polytechnique, Montreal, Canada
- Diego Klabjan, Northwestern University, Evanston, USA
- Ana Meca Martinez, Universidade Miguel Hernàndez de Elche, Spain
- Rolf Möhring, Tecnische Universitat Berlin, Germany
- Michael Pinedo, New York University, USA
- David Psinger (EURO27 Chair) University of Copenhagen, Denmark
- Christian Prins, Université de Technologie de Troyes, France
- Abraham Seidmann, University of Rochester, USA
- Ariela Sofer, George Mason University, Fairfax, USA
- Kenneth Sörensen, Universiteit Antwerpen, Belgium
- Fabio Tardella, Sapienza University of Rome, Italy
- Tamas Terlaky, Lehigh University Bethlehem, USA
- Michael Trick, Carnegie Mallon University, Pittsburg, USA
- Steef van de Velde, Erasmus Universiteit Rotterdam, The Netherlands
- Christos Vasilakis, University College of London, United Kingdom
- Gerhard-Wilhelm Weber (EURO Conference Advisor), Middle East Technical University of Ankara, Turkey

1.2 Organizing Committee

- Paolo Dell'Olmo (OC Chair) Sapienza University of Rome, Italy
- · Renato De Leone, University of Camerino, Italy
- Giovanni Felici, Institut for Systems Analysis and Computer Science, CNR, Rome, Italy
- Paola Festa, University of Naples "Federico II", Italy
- Stefano Giordani, University of Rome "Tor Vergata", Italy
- Francesca Guerriero, University of Calabria, Italy
- Silvano Martello, University of Bologna, Italy
- Gaia Nicosia, University of Rome "Roma Tre", Italy
- Laura Palagi, Sapienza University of Rome, Italy
- Fabio Schoen, University of Florence, Italy



- Anna Sciomachen, (President of AIRO) University of Genova, Italy
- Roberto Tadei, Polytechnic of Turin, Italy
- Walter Ukovich, University of Trieste, Italy

1.3 Local Organizing Committee

- Paolo Dell'Olmo (OC Chair) Sapienza University of Rome, Italy
- Umberto Ferraro Petrillo, Sapienza University of Rome, Italy
- Natalia Golini, Sapienza University of Rome, Italy
- Isabella Lari, Sapienza University of Rome, Italy
- · Federica Ricca, Sapienza University of Rome, Italy
- Nicoletta Ricciardi, Sapienza University of Rome, Italy
- Antonio Sgalambro, Institut for Systems Analysis and Computer Science, CNR, Rome, Italy
- Giovanni Storchi, Sapienza University of Rome, Italy

1.4 Istitutional support

The Conference will take place under the High Patronage of the President of the Italian Republic and thanks to the support of the following institutions



Facoltà di Ingegneria dell'Informazione, Informatica e Statistica



The Faculty of Information Engineering, Informatics, and Statistics was founded in November 2010 and is devoted to the advancement of knowledge and the education of students in all areas of Computer, Information and Communication Sciences and Technologies, or ICT: for short: Information and Communication Technologies. The Faculty teaches its students the scientific foundations and the technologies needed to transform data and information into knowledge and provides the logical and cultural tools for dealing with the complexity of today's world. Its research includes everything from nanotechnologies, communication networks, mobile computing, theoretical computer and system sciences to computer engineering, web and social networks, artificial intelligence, robotics, automation, bioengineering, operation research, statistics, management, and demography. The Faculty is particularly keen on internationalization: it participates in several international research and educational projects, fosters student exchanges, joint degrees with high ranking foreign universities, and encourages the enrolment of foreign students.



The European Association of European Operational Research.

EURO is the "Association of European Operational Research Societies" within IFORS, the "International Federation of Operational Research Societies". It is a "non profit" association domiciled in Switzerland. Its affairs are regulated by a Council consisting of representatives/alternates of all its members and an Executive Committee which constitutes its board of directors. Its aim is to promote Operational Research throughout Europe. The members of EURO are normally full members of IFORS and comprise the national OR societies of countries located within or nearby (in a broad sense) Europe.





Institute for Operations Research and Management Science.

The Institute for Operations Research and the Management Sciences (INFORMS) is an international society for practitioners in the fields of operations research (OR) and management science. It was established in 1995 with the merger of the Operations Research Society of America (ORSA) and The Institute of Management Sciences (TIMS).



Institute for Operations Research and Management Science.

The International Federation of Operational Research Societies (IFORS) is an umbrella organization comprising the national Operations Research societies of over forty five countries from four geographical regions: Asia Pacific, Europe, North America and South America. Total membership is over 30,000 persons. IFORS' mission is to promote Operations Research as an academic discipline and a profession.



The Italian Operations Research Society

AIRO (Associazione Italiana di Ricerca Operativa) was set up 1961 by a group of researchers, technicians and industrial managers, operating in both the professional world and academia. Their aim was to encourage the development of theory and applications of Operations Research, as well as to provide the opportunity for exchange of experience between researchers and professionals. Today AIRO accounts for more than 400 members among individuals, companies and research institutions in Italy and abroad; it has established as the main reference of Operations Research in Italy, connecting scholars and professionals from each part of Italy. AIRO is an active member of EURO (Association of European Operational Research Societies) and IFORS (International Federation of Operational Research Societies) and is devoted, in the national arena, in creating a strong network with other applied mathematics scientific associations, being founders of the FIMA (Federazione Italiana per la Matematica Applicata) together with SIMAI and AMASES.

Among AIRO activities are the organization of scientific national and international events (the 2013 Euro-Informs Conference among those) and funding scholarships for promising students in the field of OR.





Università degli Studi di Roma "LA SAPIENZA

Sapienza University of Rome, founded in 1303 by Pope Boniface VIII, is the oldest University in Rome and the largest in Europe. Since its founding over 700 years ago, Sapienza has played an important role in Italian history and has been directly involved in key changes and developments in society, economics and politics. It has contributed to the development of Italian and European science and culture in all areas of knowledge. The main campus, designed by Marcello Piacentini, was opened in 1935. It is situated close to the city centre, and is the largest in Europe - a real city within a city where teaching activities are integrated with libraries, museums as well as comprehensive student services. Faculties and Departments also carry out their activities in decentralized locations in different parts of the city.



Istituto di Analisi dei Sistemi ed Informatica "Antonio Ruberti" (IASI)

IASI (Institute for Systems Analysis and Computer Science) is one of 108 institutes of CNR, Italian National Research Council (Consiglio Nazionale delle Ricerche), which is the main Italian public research organization; it is named after its founder, professor "Antonio Ruberti".

IASI was established in 1969 as a CNR research center and soon became one of the main incubators of Operational Research in Italy, hosting prominent national and international scholarsand becoming reference for university departments and industries, and supported the Italian Association for Operational Research (AIRO) since its early days, providing logistic and management support IASI's scientific mission is to design formal models and to use them to understand, control and optimize the behavior for complex systems, using discrete mathematics, mathematical optimization, statistics, formal logic, computer science, control theory, system science to solve problems in biomedicine, transportation, and enterprise managemen.

1.5 Conference Venue





"Volunteer Students"





The conference was held at the SAPIENZA University of Rome (http://en.uniroma1.it), at the Faculties of Information Engineering, Informatics and Statistics, Law, Mathematics, Physics, and Natural Science, Pharmacy and Medicine, Arts and Humanities and the Rectory. The plenary lectures took place in the Aula Magna of the Rectory.

Technical Sessions were held in several buildings of the campus that have been divided into 5 colors sets. Each color sets included buildings identified by the first letter of the color set and a number (e.g. O1 or Y12). Each meeting room was indicated by the ID of the building plus its number (e.g. O1-1 or Y12-1). The Plenary and Keynote Speakrs took place in the Aula Magna of the Rectory of University of Rome.

The registration desk were located at the main entrance of Aula Magna.



"Aula Magna"

1.6 Accommodation

The partecipants stayed in many Rome hotels located in the area surrounding the conference venue, "SAPIENZA University of Rome", mostly at walking distance, or in the city center but very close to tube stations allowing direct access to the Conference Venue. Special facilities were offered ("holiday houses" and bed & breakfast), on demand, to partecipants on a relatively tight budget.

1.7 Conference Fees

There were three registration categories: regular participants, students and accompanying persons.

Registration fee included, for all delegate, the partecipation in all sessions, access to the exhibition area, conference documentation, welcome reception (June 30th), lunches and daily refreshments (July, 1-4).

For the accompanying person the registration fee included partecipation at the welcome reception (June 30th), tour Imperial Rome (July 1st) and tour Baroque Magnificence (July 3rd).

The table below shows the final fees for the different classes of partecipants:



•	Regular Early registration (up to 15 April 2013):	350€
•	Late registration (from 16 april 2013):	470 €
•	Students' Early registration (up to 15 April 2013):	190€
•	Students' late registration (from 16 april 2013):	290€
•	Accompanying persons:	80€

EURO will provide a maximum amount of 10,000 € to meet the registration fees of participants from Eastern and Central Europe (soft currency countries) in early registration rates. The decision on how to allocate this money is exclusively to the Organising Committee.

EURO will provide, if asked so by the Organising Committee, a loan of up to 10,000 € to cover the costs incurred before registration fees come in. The loan shall be refunded to EURO at the latest the Conference date.

1.8 Marketing

The Organizing Committee estimated that in order to make the conference profitable, it should attract more than 1300 paying participants, considering the different classes.

Given the appeal of the conference location Roma, our expectations were to attain between 1500 and 2000 participants. In order to reach the sufficient number of participants it was necessary to market the conference in a professional way. In accordance with previous EURO-k organisers, we found out that two points are very important:

- to find as many as possible stream and sessions organisers, because they are sources of many conference;
- to promote the conference on many scientific events, many web sites, etc.. The EURO INFORMS XXVI Programming Committee member and Conference Advisor Willi Weber from METU (Turkey) has done an invaluable job for conference advertising during a couple of international events and by many other contacts.

Advertising:

The conference is advertised using three tools, mainly:

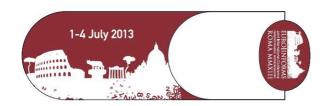
- dissemination of Call for Paper(CfP) electronically;
- printing and dissemination of conference flyers by mail, among participants of other conferences, etc.;
- using a slide presentation given at the conference site.

The conference registration and wide conference advertising started by sending the CfP by e-mail to recipients in the EURO and INFORMS data base, EURO and IFORMS Working groups, EURO member societies, members and participants of other societies and events. 7300 units of CfP and announcements have been produced in total. 1000 announcements were printed out in 2010 and distributed at a number of international conferences (IFORS 2011, EURO 2010). In particular, for EURO 2013 were produced and distributed more than 7000 flyers (A4 format) plus 300 (A3 format) and 1000 bookmarks. 1000 Bookmarks and 1000 backpacks were distributed to participants at the EURO Conference in Vilnius

Slides of the conference were presented to the participants of the IFORS Conference in Vilnius - Lithuania, and participants at the International Annual Conference of the German OR Society 2012.









Bookmark and Flyer

Conference Website

The website was located at http://euro2013.org. The first version containing basic information was opened in its form in November 2011 by the local organisers. The website turned out to be a powerful tool in handling effectively the registration to the conference, electronic abstract submission and all communication with the participants. The website was gradually improved in the course of time, adding additional information and later included the functionality to submit abstracts and to register. The EURO conference system was used for the abstract submission procedure and to generate the scientific programme. Electronic copies of the Call for Papers were made available on the conference web site.

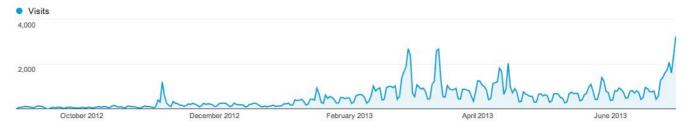
EURO 2013 - Website analytics report

Note: all the following metrics are evaluated on the period [September 2012, July 1st, 2013]

Overall number of (unique) visitors

69.175

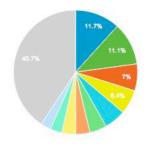
Visits Timeline



Visits (by country)



		158,699 % of Total: 100.00% (158,699)	158,699 % of Total: 100,00% (158,699)
1.	Turkey	18,598	11.72%
2.	taly	17,674	11.14%
3.	United States	11,082	6.98%
4. 🧰 (Germany	10,078	6.35%
5. Sig (United Kingdom	8,958	5.64%
6. F	France	7,017	4.42%
7.	Brazil	5,800	3.65%
8 5	Spain	5,743	3.62%
9. 📒 F	Russia	4,941	3.11%
10.	apan	4,143	2.61%



PageViews (i.e., which content is most requested)

P	age Title 🦿	Pageviews ?		
		441,674 % of Total: 100.00% (441,674)		
1.	Euro 2013	168,297 (38.10%)		
2.	Registration Euro 2013	35,102 (7.95%)		
3.	Abstract submission Euro 2013	27,051 (6.12%)		
4.	Stream Euro 2013	19,138 (4.33%)		
5.	Important dates Euro 2013	16,575 (3.75%)		
6.	Hotel Accommodation Euro 2013	15,686 (3.55%)		
7.	EURO at a glance Euro 2013	15,012 (3.40%)		
8.	Abstract Euro 2013	14,445 (3.27%)		
9.	Main Areas Euro 2013	12,198 (2.76%)		
10.	Congress Venue Euro 2013	11,046 (2.50%)		



Referrals (i.e., how do they discovered us)

Source ?		Acquisition			Behavior		
		Visits ? ↓	% New Visits	New Visits	Bounce Rate	Pages / Visit	Avg. Visit
		36,383 % of Total: 22,93% (158,699)	29.73% Site Avg: 43.37% (-31.45%)	10,817 % of Total: 15.71% (68,834)	36.29% Site Avg: 41.58% (-12.72%)	2.98 Site Avg: 2.78 (7.18%)	00:04:55 Site Avg: 00:04:28 (9.87%)
1.	euro-online.org	17,957 (49.36%)	15.90%	2,856 (26.40%)	31.87%	2.97	00:05:25
2.	informs.org	5,236 (14.39%)	36.76%	1,925 (17.80%)	33.52%	3.37	00:04:02
3.	facebook.com	814 (2.24%)	50.49%	411 (3.80%)	53.44%	2.64	00:03:47
4.	europt2013.org	531 (1.46%)	27.50%	146 (1.35%)	46.89%	2.89	00:03:37
5.	ifors.org	514 (1.41%)	40.66%	209 (1.93%)	36.58%	3.07	00:06:54
6.	e.mail.ru	412 (1.13%)	25.24%	104 (0.96%)	49.76%	2.77	00:06:09
7.	euro-2013-forecasting-stream.com	382 (1.05%)	24.61%	94 (0.87%)	20.42%	4.26	00:07:39
8.	fr-mg42.mail.yahoo.com	342 (0.94%)	36.26%	124 (1.15%)	37.43%	2.57	00:06:18
9.	dinamico2.unibg.it	324 (0.89%)	31.17%	101 (0.93%)	65.12%	2.21	00:02:07
10.	us-mg6.mail.yahoo.com	303 (0.83%)	33.33%	101 (0.93%)	30.36%	3.19	00:10:31

Keywords used to reach the website

Keyword ②		Acquisition			Behavior		
		Visits ♂ ↓	% New Visits	New Visits 7	Bounce Rate	Pages / Visit	Avg. Visit
		77,252 % of Total: 48.68% (158,699)	42.89% Site Avg: 43.37% (-1.12%)	33,132 % of Total: 48.13% (68,834)	44.60% Site Avg: 41.58% (7.26%)	2.63 Site Avg: 2.78 (-5.61%)	00:04:06 Site Avg: 00:04:28 (-8.33%)
1.	(not provided)	41,151 (53.27%)	36.40%	14,980 (45.21%)	39.53%	2.71	00:04:39
2.	euro 2013	13,794 (17.86%)	60.67%	8,369 (25.26%)	60.18%	2.16	00:02:49
3.	euro2013	2,670 (3.46%)	41.95%	1,120 (3.38%)	40.71%	2.78	00:04:26
4.	euro 2013 rome	1,378 (1.78%)	32.22%	444 (1.34%)	26.85%	3.19	00:04:54
5.	euro informs 2013	957 (1.24%)	33.02%	316 (0.95%)	26.23%	3.13	00:04:39
6.	euro roma 2013	865 (1.12%)	9.83%	85 (0.26%)	77.46%	1.74	00:01:41
7.	euro informs	825 (1.07%)	31.64%	261 (0.79%)	30.79%	3.32	00:05:08
8.	euro conference 2013	709 (0.92%)	35.26%	250 (0.75%)	31.17%	3.31	00:05:38
9.	euro rome 2013	691 (0.89%)	29.09%	201 (0.61%)	35.75%	2.87	00:04:21
10.	euro 2013 roma	409 (0.53%)	33.99%	139 (0.42%)	28.36%	3.34	00:05:35



Traffic incoming from social networks

Social I	Network ③	Visits	Pageviews	Avg. Visit Duration	Pages / Visit
1.	Facebook	926 (66.86%)	2,331 (65	.53%) 00:03:29	2.52
2.	Twitter	161 (11.62%)	357 (10	.04%) 00:02:28	2.22
3.	LinkedIn	151 (10.90%)	455 (12	.79%) 00:02:47	3.01
4.	Blogger	56 (4.04%)	208 (5	.85%) 00:03:59	3.71
5.	WordPress	32 (2.31%)	85 (2	.39%) 00:03:35	2.66
6.	VKontakte	24 (1.73%)	42 (1	.18%) 00:01:35	1.75
7.	Google+	19 (1.37%)	36 (1	.01%) 00:01:22	1.89
8.	Naver	6 (0.43%)	29 (0	.82%) 00:01:41	4.83
9.	Academia	4 (0.29%)	6 (0	.17%) 00:00:08	1.50
10.	goo.gl	2 (0.14%)	2 (0	.06%) 00:00:00	1.00

1.9 Important Deadlines

The deadlines for the most important activities related to the conference, were as follows:

Submission abstracts starts:	October, 2012
Deadline for abstracts submission (extended deadline):	March 14, 2013
Notification of acceptance:	March 14, 2013
Deadline for early registration (extended):	May 1, 2013
Deadline for author registration (for inclusion in the program)	May 1, 2013
Registration and Welcome Cocktail	June 30, 2013
Conference	July 1-4, 2013

The original deadline for abstract submission was March 1st, due to many request, that deadline was extended by two weeks. The notification of acceptance deadline was kept unchanged. However, the deadline for early registration was changed from April 15 and then to May 1, due to the hight number of people trying to access the webpage for registration.

Conseguently, the deadline for author registration, in order to be included in the program was also extended by May 1, 2013.

1.10 Meetings of the Committees

The Programme Committee formally gathered twice:

- July 2012 during EURO XXV in Vilnius
- 11,12 April 2013 in Rome, SAPIENZA University of Rome

In both cases, several members of the Organising Committee actively participated at the meetings. The first meeting in Vilnius was crucial with respect to many organisational and programme matters. The following main decisions were made in this meeting:

- The conference facilities have been inspected and approved
- Program was divided into "main streams" and each member of PC was responsible for one or several main streams; each main stream consisted of several streams with one or more stream



- organisers; the stream was defined as a group of several sessions (each session consisting of 4 papers). The final number of different stream was 395
- The first list of names to invite for the plenary and semi-plenary sessions was produced and the
 corresponding financing policy was set as follows: the plenary and semi-plenary speakers would
 be offered fee waiving, two entries for the official banquet and a lump sum for covering the
 travelling and accommodation expenses
- The most relevant organisational matters such as the conference schedule, accommodation, social program, inserts into bags, etc. were discussed in Aprile 2013, the questions concerning the programme and the state of numerous organisational matters were finalised. To avoid a large amount of changes to the final programme, the programme was kept open to the last possible minute. The Conference Book was finished just a couple of weeks before the conference.

1.11 Conference Program

The OC and PC adopted the following theme for the Conference "All roads lead to OR"

Conference Structure

Following the regular format for EURO – INFORMS conferences, the EURO – INFORMS 2013 conference featured plenary, tutorial, sponsors' session, with a large number of invited and contributed sessions on topic areas. The plenary and keynote Lectures were videotaped and later broadcast over internet.

Opening Session:

Welcome address

- Gerhard Wascher, *President EURO* (The Association of European Operational Research Societies).
- Anne Robinson, *President of INFORMS* (The Institute for Operations Research and Management Sciences).
- Anna Schiomachen, President of the Italian OR Society (The Italian Operational Research Society)
- Luigi Frati, Rector of SAPIENZA University of Rome.

<u>Awards</u>

- EURO Distingueshed Service Medal Award (EDSM 2013), by Zilla Zinuary-Sterm (Chair)
- Announcement of the winner of the EURO Gold Medal (EGM 2013), by Rudiger Schultz (Chair).

Plenary presentation

The laureate of EURO Gold Medal

Latest information & special remarks

- Mark Sevaux, Co-Chair EURO of the Programme Committee
- David Simchi-Levi, Co-Chair INFORMS of the Programme Committee
- Paolo Dell'Olmo, Chair of the Organizing Committee



Closing Session:

Chairs: Paolo Dell'Olmo, Chair of the Organizing Committee

Awards

- Announcement of the winner of the EURO Doctoral Dissertation Award (EDDA 2013) Silvano Martello (chair)
- Announcement of the winner of the EURO Excellence in Practice Award (**EEPA 2013**) Gautier Stauffer (chair)
- EURO Award for the Best EJOR Paper (EABEP 2013) José Fernando Oliveira (chair)

Calls

- *IFORS 2014* Elena Fernandez (Technical University of Catalonia, Barcelona), Chair of the Organizing Committee
- EURO 2015 Valerie Belton (University of Strathclyde, Glasgow) Chair of the Organizing Committee
- EURO/ROADEF Challenge 2014, Announcement Christian Artigues, Co-Chair of the challenge team.

Special Issues

- EURO Journal on Decision Processes (Special issue on Operational Research and Ethics)
- Lecture Notes in Business Information Processing (Special issue on Impact of the Web of Things in Decision Support Systems for Global Environments)
- Journal of Decision Systems (Special issue on Knowledge-based Decision Systems)
- EURO Journal on Transportation and Logistics (Special issue on City Logistics)

Farewell Addresses

- Marc Sevaux, Co-Chair | EURO of the Programme Committee
- David Simchi-Levi, PC Co-Chair | INFORMS of the Programme Committee
- Gerhard Wäscher, President of EURO
- Sally Brailsford, EURO Vice-President 1
- Paolo Dell'Olmo, Chair of the Organizing Committee

Plenary Speakers

- Hal VARIAN Predicting the Present with Search Engine Data
- George L. NEMHAUSER Integer Programming: the Global Impact
- John LITTLE Applications of Little's Law



Keynote/Tutorial Speakers

The following table contains the list of invited semi-plenary or tutorial talks.

SPEAKERS	TITLE OF THE TALK	
Enrique BENAVENT LOPEZ	Exact methods for Arc Routing Problems	
Ashish GOEL	Some Algoritmic Aspects of Social Commerce	
Francois VANDERBECK	Extended formulations, column generation and stabilization: synergies in the benefit of large scale applications	
Sanjay MEHROTRA	Optimizing Healthcare: Budgets, Operations, Policies, and Beyond	
Linet OZDAMAR	Models and Solutions for Emergency Logistics	
Joel SOKOL	Industry Interaction and the Future of OR Education	
Dimitri BERTSIMAS	A computationally tractable theory of performance analysis in stochastic systems	
Stephane DAUZERE-PERES	Tutorial on Dynamic Lot Sizing	
Zonghao GU	Mixed Integer Programming: Algorithms, Computation, Software and Applications	
Hoai An LE THI	Difference of convex functions optimization	
Gunther RAIDL	Metaheuristics and Hybrid Optimization Approaches – A Unifying View	
Rakesh VOHRA	Mechanism Design and Linear Programming	
IFORS Invited Tutorial		
Clovis GONZAGA	Interior Point Methods for Mathematical Programming	

Invited and Contributed Sessions and Streams.

The daily scientific programme consisted of 3 plenary lectures, 6 keynote sessions , 7 tutorial lectures and parallel sessions, 12 sponsors sessions. The assignment of the rooms for the sessions was based on their subjects, the characteristics of the rooms and the expected audience to each session. All the plans were

implemented without experiencing any unexpected disruptions or major modifications.

Finally, 395 streams took place with the invited or contributed sessions (see the list below). The total number of all sessions (plenary, semi-plenary, invited and contributed) was 871. The total number of presentations included in the abstract book was 3202. A very small number of no -shows were registered.

List of Invited and Contributed Streams

Nonlinear Programming	OR for Development and Developing Countries
Engineering Optimization	OR for Sustainable Development
OR and Real Implementations	Matheuristics
Scheduling	Energy, Environment and Climate
Scheduling II	Location Analysis
Education Policy	Combinatorial Optimization I
Algorithm and Computational Design	Combinatorial Optimization II
OR in Agriculture, Forestry and Fisheries	INFORMS MSOM Stream
Game Theory, Solutions and Structures	OR for Development and Developing Countries
Optimization for Sustainable Development	Optimization for Sustainable Development
Mathematical Methods for Decision Support	Global Optimization
Lot-Sizing and Related Topics	Emerging Applications in Game Theory and Management
Lot-Sizing and Related Topics	Game-theoretical Models in Operations Research
Cooperative Game Theory	Multiple Criteria Decision Making and Optimization (contributed)
Game Theory and Combinatorial Optimization	Container Terminal Operations
Location Analysis	Supply Chain Optimization



Hub Location	Health Care Management
Knowledge, Information & Technology	Stochastic Programming
Operational Research in Financial and Management Accounting	Humanitarian Operations Research
Production and the Link with Supply Chains	Fuzzy Optimization - Systems, Networks and Applications
Maritime Transportation	Supply Chain Planning
Copositive and Polynomial Optimization	Soft OR / Systems and Multimethodology
Information and Intelligent Systems	OR and Ethics
Discrete Optimal Control	Supply Chains
Financial Mathematics and OR	Optimization under Uncertainty
Challenge EURO/ROADEF	Decision Processes
Continuous and Discontinuous Dynamical Systems	Timetabling and Rostering
Recent Advances in Earthquake Studies and Geoscience Applications	Optimization for Sustainable Development
Simulation Based Decision Support	Initiatives for OR Education
Nonsmooth Optimization	Mathematical Programming
Stream of INFORMS Society for Public Programs, Service and	
Needs	OR and Maritime Studies
Defence and Security	Health Care Management
Facility Logistics	Location Analysis
Revenue Management and Dynamic Pricing	Operational Research and Control Problems
Applications of Operations Research in Education	Vector and Set-Valued Optimization
Data Mining in Early Warning Systems	OR in Sports
Convex Optimization	Container Terminal Operations
Supply Chains	OR in Quality Management
Dynamical Systems and Mathematical Modeling in OR	Cutting and Packing
Telecommunications and Network Optimization	OR in Water Management
Traffic	Information and Intelligent Systems
Container Terminal Operations	Life Insurance, Risk and Ruin Theory, Financial Modelling
Energy Economics	Machine Learning and Its Applications
Computational Biology, Bioinformatics and Medicine	OR and Climate Change
Copositive and Polynomial Optimization	Initiatives for OR Education
Geometric Clustering	Initiatives for OR Education
Boolean and Pseudo-Boolean Optimization	Scheduling
Challenge EURO/ROADEF	Scheduling II
Cooperative Game Theory	Forecasting & Time Series Prediction
Geometric Clustering	Forecasting & Time Series Prediction II
Scheduling	Emerging Applications in Game Theory and Management
OR in Sports	Stochastic Programming
Scheduling II	Nonconvex Programming: Local and Global Approaches
Demand and Comple Discrete to Consum. Co. 1. 12 111	Decision Making under Uncertainty and Environmental
Demand and Supply Planning in Consumer Goods and Retailing	Applications CP
Long Term Financial Decisions	Financial Mathematics and OR
Mixed-Integer Non-Linear Programming	Global Optimization
DEA and Performance Measurement	Dynamical Systems and Game Theory
DEA and Performance Measurement II	OR in Agriculture, Forestry and Fisheries
Hub Location	Optimization and Natural Sciences
Teaching OR/MS	OR: Visualization and Arts
Multi-Objective Optimization	Operational Research and Control Problems
Sustainable Transport Planning	Mathematical Economics
Routing Problems	Game Theoretical Network Models
Sustainable Living: Cognitive, Social, Economical, Ecological and World View	Mathematical Programming



Came Theory and Combinatorial Ontimization	IDM Decearch Applications
Game Theory and Combinatorial Optimization	IBM Research Applications
Financial Optimization	Challenge FUDO (DOADEF
Maritime Transportation	Challenge EURO/ROADEF
Lot-Sizing and Related Topics	Health Care Management Sustainable Living: Cognitive, Social, Economical, Ecological and
Graph Searching	World View
Recent Advances in Dynamics of Variational Inequalities and	
Equilibrum Problems	Metaheuristics (contributed)
Stochastic Programming	Metaheuristics
Hub Location	Decision Support Systems
Forecasting & Time Series Prediction	Routing Problems
Forecasting & Time Series Prediction II	Actuarial Sciences and Stochastic Calculus
Timetabling and Rostering	Forecasting & Time Series Prediction
Mixed-Integer Non-Linear Programming	Forecasting & Time Series Prediction II
Recent Advances in Dynamics of Variational Inequalities and	
Equilibrum Problems	Supply Chain Optimization
Decision Support Systems	Fuzzy Decision Support Systems, Soft Computing, Neural Network
OR for Development and Developing Countries	Semi-Infinite and Semidefinite Optimization and Applications
Graphs and Networks	Realistic Production Scheduling
Financial and Commodities Modeling	Pricing and Consumer Behavior
Stochastic Modeling in Energy Planning	OR for Sustainable Development
Dynamical Systems and Mathematical Modeling in OR	Simulation, Stochastic Programming and Modeling (contributed)
OR for Development and Developing Countries	Mathematical Programming
Decision Support Systems	Location Analysis
Preference Learning	Hybridisation of Heuristic for Global Optimisation
DEA and Performance Measurement	Decision Processes
DEA and Performance Measurement II	Optimization in Public Transport
Methodology of Social Complexity	Transportation Planning
OR in Quality Management	Transportation Planning
Optimization for Sustainable Development	System Dynamics Modeling and Simulation
Container Terminal Operations	System Dynamics Modeling and Simulation
Humanitarian Logistics	DEA and Performance Measurement
Sustainable Transport Planning	DEA and Performance Measurement II
Stochastic Models in Reliability and Risk	Data Mining and Decision Making
Computational Biology, Bioinformatics and Medicine	MSOM iFORM Special Interest Group Stream
Sponsors	Invited Lectures - Keynotes and Tutorials
Nonlinear Programming	Metaheuristics
Telecommunication, Networks and Social Networks	Challenge EURO/ROADEF
Nonsmooth Optimization	Metaheuristics (contributed)
DEA and Performance Measurement	Sponsors
DEA and Performance Measurement II	Prizes
Game-theoretical Models in Operations Research	Journals
Multi-Objective Optimization	Emerging Applications of Finance in Economics and Environment
Multicriteria Decision Making	Stochastic Modeling / Applied Probability
Multicriteria Decision Making II	Dynamic Optimization
Decision Making under Uncertainty and Environmental	
Applications	Invited Lectures - Keynotes and Tutorials
Forecasting & Time Series Prediction	Sponsors
Forecasting & Time Series Prediction II	Preference Learning
Initiatives for OR Education	OR for Development and Developing Countries
Supply Chain Planning	Metaheuristics
Risk Management in Online Social Networks	Metaheuristics (contributed)



Telecommunications and Network Optimization	Game-theoretical Models in Operations Research
Software for OR/MS	Biomass-based Supply Chains
Biomass-based Supply Chains	OR Applications in the Automotive Industry
Nonsmooth Optimization	Transportation and Logistics
Mixed-Integer Non-Linear Programming	Operations/Marketing Interface
Decision Making Modeling and Risk Assessment in the Financial	
Sector Discrete Choice Models: Estimation and Assortment	Demand and Supply Planning in Consumer Goods and Retailing
Optimization	Data Mining in the Financial Sector
Business Excellence in Logistics	Machine Learning and Its Applications
Location Analysis	Multi-Criteria Decision Making and Environmental Management
Convex Optimization	OR in the Oil and Gas Sectors
Mathematical Methods for Decision Support	Scheduling
Cutting and Packing	Scheduling II
Nonlinear Programming	Discrete and Global Optimization
Operational Research and Control Problems	Algorithm and Computational Design
Telecommunications and Network Optimization	Vector- and Setvalued Optimization and Applications
Competric Clustering	Stochastic Modeling and Simulation in Engineering, Management
Geometric Clustering	and Science
Manufacturing and Warehousing	Financial Optimization
OR Applications in Industry	Computational Statistics
Vector and Set-Valued Optimization	Optimization and Natural Sciences
Supply Chain Risk Management	Semi-Infinite and Semidefinite Optimization and Applications
Project Management and Scheduling	Convex Optimization
Scheduling	Game Theory and Social Networks
Scheduling II	Mathematical Programming
OR Applications in Industry	Medical Decision Making
MSOM Service Management SIG Stream	Energy systems and markets
Service Management	Analytic Hierarchy Processes, Analytic Network Processes
Decision Support Systems	Combinatorial Optimization I
Financial and Commodities Modeling	Optimal Control
Discrete Optimal Control	Emerging Applications in Portfolio Selection and Management Science
Analytic Hierarchy Processes, Analytic Network Processes	Policy Analytics
Demand and Supply Planning in Consumer Goods and Retailing	Computational Biology, Bioinformatics and Medicine
Simulation Methods in Finance	Optimization under Uncertainty
Supply Chain Optimization	Supply Chains
Analytic Hierarchy Processes, Analytic Network Processes	Mathematical Models in Macro- and Microeconomics
Vector and Set-Valued Optimization	Health Care Management
Actuarial Sciences and Stochastic Calculus	Transportation and Logistics
Challenge EURO/ROADEF	OR for Sustainable Development
	Stochastic Modeling and Simulation in Engineering, Management
Scheduling under Resource Constraints	and Science
OR and Scientific Computing	OR Applications in the Automotive Industry
Data Mining in Early Warning Systems	Matheuristics
Challenge EURO/ROADEF	Preference Learning
Decision Processes	Simulation in Management Accounting and Management Control
OR in Water Management	Environmental Issues in Operations Management
Financial Mathematics and OR	Recent Advances in Earthquake Studies and Geoscience
	Applications
Variational Inequalities and Bi-Level Problems Advanced Inventory Control and Pricing Strategies	Initiatives for OR Education OR for Development and Developing Countries
Advanced Inventory Control and Pricing Strategies	OR for Development and Developing Countries
Advanced Inventory Control and Pricing Strategies	Sustainable Living: Cognitive, Social, Economical, Ecological and



	World View	
Simulation Based Decision Support	Optimization for Sustainable Development	
Revenue Management and Dynamic Pricing	Financial Mathematics and OR	
OR in Quality Management	Simulation Methods in Finance	
, ,	Stochastic Modeling and Simulation in Engineering, Management	
Project Management and Scheduling	and Science	
Mathematical Methods for Decision Support	Experimental Economics and Game Theory	
Transportation Planning	Mathematical Models in Macro- and Microeconomics	
Mathematical Models in Macro- and Microeconomics	Multicriteria Decision Making	
Optimal Control	OR and Scientific Computing	
Semi-Infinite and Semidefinite Optimization and Applications	Mathematical Programming	
Software for OR/MS	Semi-Infinite and Semidefinite Optimization and Applications	
Optimization in Public Transport	Generalized Differentiation and Optimization	
Humanitarian Operations Research	Global Optimization	
Fuzzy Optimization - Systems, Networks and Applications	Optimal Control	
Stochastic Modeling and Simulation in Engineering,		
Management and Science	Discrete Optimal Control	
Optimal Control	Dynamical Systems and Mathematical Modeling in OR	
Generalized Differentiation and Optimization	Computational Statistics	
Demand and Supply Planning in Consumer Goods and Retailing	Data Mining in Early Warning Systems	
Sustainable Development Modeling with System Dynamics	Information and Intelligent Systems	
Timetabling and Rostering	Discrete and Global Optimization	
Location Analysis	Multicriteria Decision Making II	
Operational Research and Control Problems	Mathematical Programming (contributed)	
	OR for Developing Countries, Humanitarian Applications	
Nonconvex Programming: Local and Global Approaches	(contributed)	
Data Mining and Decision Making Simulation in Management Association and Management	Business Analytics and Intelligent Optimization	
Simulation in Management Accounting and Management Control	Scheduling under Resource Constraints	
Experimental Economics and Game Theory	OR and Ethics	
Mathematical Programming	OR for Development and Developing Countries	
OR and Real Implementations	Multicriteria Decision Making	
Patients Flows Models and Optimization	Multicriteria Decision Making II	
Revenue Management and Dynamic Pricing	Game Theory and Experimental Design	
Revenue Management and Dynamic Pricing	Continuous and Discontinuous Dynamical Systems	
Financial Optimization	Production and the Link with Supply Chains	
Stochastic Programming	Graph Searching	
New Frontiers for Little's Law	Emerging Applications of Finance in Economics and Environment	
	Financial and Commodities Modeling	
Decision Support Systems Vector- and Setvalued Optimization and Applications	Dynamic Programming	
• • • • • • • • • • • • • • • • • • • •		
Discrete Optimal Control	Decision Support Systems Emerging Applications in Came Theory and Management	
Long Term Planning in Energy, Environment and Climate Vehicle Routing and Scheduling with Environmental	Emerging Applications in Game Theory and Management	
Considerations		
	Operations/Marketing Interface	



Preparation of the Final Program and Abstract Book



Taking into account the target group of the conference, it was required that all the abstracts be delivered electronically through the conference website. The instructions were available on the website and technical support in the form of advice and instructions was given whenever needed.

The acceptance of topics of the invited streams and their Stream Organisers was handled by the Programme Committee – often by e-mail. One part of the delegation of work was to authorise these Stream Organisers to accept the Session Organisers and the papers in their streams leaving the Programme Committee only a right to veto (which actually was never needed). Thus, the organisation of those streams was left in the hands of the Stream Organisers.

The organisation of all streams and sessions was handled by making use of the EURO conference system, which was highly useful. The contacts information was also very useful when it was necessary to contact participants or Stream Organisers. The key issue was to insert all

information needed for the Final Programme into the system, in the form of "streams". This methodology was also applied in the plenary, semi-plenary, Opening and Closing Sessions, etc..

1.12 Sponsors' profile

The sponsors mainly supported the EURO XXVI Conference by offering their services with very significant reductions of costs.





ACT Operation Research (ACT OR)

www.act-operationresearch.com

ACT OR is a math-technology company. ACT-OR's advanced analytics and algorithms drive logistics, marketing, and merchandising performance across store, warehouse, fleet and the supply-chain network. Combined powerful predictive and dynamic optimization and simulation models keep operational efficiency and business risk under control.

Since 1996, ACT Operations Research (ACT-OR) is a privately held company with offices in Europe and the USA.



AIMMS

www.aimms.com

Paragon Decision Technology originated with, and continues to operate with the primary purpose of helping organizations to apply Operations Research in order to unleash the power of optimization to their operations, processes and strategic planning activities. "To bring the benefits of Operations Research to society" is engraved in the company's mission, and Paragon achieves this through the development and implementation of the AIMMS optimization technology – a complete lifecycle optimization tool. With international offices in the United States, The Netherlands, China and Singapore, AIMMS is available to clients worldwide. Our commitment is to provide technologies that optimize a wide range of operation types, including production schedules, energy delivery to households, retail supply chains, workforce balance and many more. Because of this commitment, AIMMS is the optimization software of choice for thousands of users worldwide.



FICO

www.fico.com/xpress

FICO (NYSE:FICO) is a leader in Decision Management, transforming business by making every decision count. FICO uses predictive analytics and optimization to help businesses automate, improve and connect decisions across organizational silos and customer lifecycles. FICO develops and markets the FICO Xpress Optimization Suite - with a comprehensive set of high performance solvers for different problem types, its unique modelling environment Mosel and interactive visualisation components. Clients in 80 countries work with FICO to increase customer loyalty and profitability, cut fraud losses, manage credit risk, meet regulatory and competitive demands, and rapidly build market share. Most leading banks and credit card issuers rely on FICO solutions, as do insurers, retailers, health care organizations and other companies. FICO works with more than 5,000 businesses worldwide, and its technology serves thousands more through FICO partnerships.



GUROBI

http://www.gurobi.com/

Gurobi Optimization is in the business of helping companies solve their hardest problems by providing the best optimization solver possible, a broad range of intuitive interfaces, outstanding, easy to reach, support, flexible licensing, and no surprises pricing. The Gurobi Optimizer is a state-of-the-art solver for mathematical programming. It includes the following solvers: linear programming solver (LP), quadratic programming solver (QCP), quadratically constrained programming solver (MILP), mixed-integer quadratic programming solver (MIQP), and mixed-integer quadratically constrained programming solver (MIQP). The solvers



in the Gurobi Optimizer were designed from the ground up to exploit modern architectures and multi-core processors, using the most advanced implementations of the latest algorithms. Come visit us at our booth to learn more about our latest release, including our new client-server features and enhanced cloud offering.



IBM ITALIA

www.ibm.com/it

IBM is a globally integrated technology and consulting company headquartered in Armonk, New York. With operations in more than 170 countries, IBM attracts and retains some of the world's most talented people to help solve problems and provide an edge for businesses, governments and non-profits.

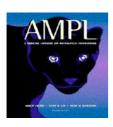
Innovation is at the core of IBM's strategy. The company develops and sells software and systems hardware and a broad range of infrastructure, cloud and consulting services. IBM has continuously strengthened its commitment in developing the most advanced technologies: since 20 years, it is the Company with the largest number of patents in the United States. Today, IBM is focused on four growth initiatives – business analytics, cloud computing, growth markets and Smarter Planet. IBMers are working with customers around the world to apply the company's business consulting, technology and R&D expertise to build systems that enable dynamic and efficient organizations, better transportation, safer food, cleaner water and healthier populations.



MASTER'S PROGRAM IN DATA INTELLIGENCE AND STRATEGIC DECISION MAKING AT SAPIENZA

http://disd.sta.uniroma1.it/

Offered by Department of Statistic Sciences of Sapienza, the Master in Data Intelligence and Strategic Decision Making was founded as a Specialization Course Program in Operations Research in 1962. The Master educates executives, professionals as well as students to integrate Analytics and Optimization techniques in today's complex enterprise management decision processes.



AMPL
www.ampl.com

AMPL Optimization develops, distributes, and supports the AMPL modeling language, the most powerful and natural tool for developing and deploying the complex optimization problems that arise in diverse business, scientific, and engineering applications. AMPL is notable for its convenient support of extended formulations and advanced algorithmic features. It incorporates a broad variety of interactive modeling commands, an interface to spreadsheet and database files, and an integrated scripting language for automating analyses and building iterative optimization schemes. AMPL Optimization also distributes AMPL-interfaced versions of popular large- scale solvers including CPLEX, CONOPT, Gurobi, KNITRO, MINOS, SNOPT, and Xpress. Over 30 other solvers work with AMPL, as do Opti Risk Systems' stochastic extensions for modeling and solving problems of optimization under uncertainty.





The General Algebraic Modeling System (GAMS) is a high-level modeling system for mathematical programming and optimization. It consists of a language compiler and a collection of integrated high-performance solvers. GAMS is tailored for complex, large-scale modeling applications, and allows you to build large maintainable models that can be adapted quickly to new situations. The modeling and optimization framework is based on an open architecture, which allows seamless communication with integrated components (e.g. optimization solvers) and external systems and assures a smooth integration of optimization models into all kinds of application environments.



jMP www.jmp.com

The JMP Division is a business unit of SAS Institute, the largest privately held software company with annual revenues exceeding 2Bn\$, a track record of more than 30 years, and a worldwide presence.

JMP, JMP Pro, JMP Clinical, and JMP Genomics are software products that allow scientists, engineers, and business users to

easily get value from their data through "Statistical Discovery". JMP has been under development for 20 years, and is used globally.

Statistical Discovery starts with data, and consists of both exploring and modeling patterns of variation to gain new, useful, insights that have practical value for operations whatever the context. Distinguishing features of JMP are a high level of interactivity and a wide repertoire of modeling capabilities from the simple to the sophisticated.

JMP can be also be used to quickly build complete applications, providing more controlled or directed functionality more suited to a specific use.





QuanTek Quantitative Technology was founded in 2009 by a group of consultants and applied mathematicians strongly rooted in the academia and in the industry. In QuanTek the different types of experts combine the latest knowledge in the various fields of applied mathematics with a deep knowledge of the several energy industry processes, notably electricity and gas markets. Since 2011, the reference shareholder is NE Nomisma Energia. In QuanTek we are experts in business analytics and optimization, we design ad hoc quantitative solutions with high added value in the energy sector. Our technology know how ranges from optimization under uncertainty, with robust and stochastic optimization approaches, to simulation with modern agent based technology passing through data mining and predictive analytics. We have developed a proprietary software layer named Ipazia that enables us to quickly design and develop optimization, as well as data mining, tailor made software solutions for our clients.



SAS
www.sas.com

SAS is the leader in business analytics software and services, and the largest independent vendor in the business intelligence market. Through innovative solutions, SAS helps organizations anticipate business opportunities, empower action and drive impact. We do this through advanced analytics that turn data about customers,



performance, financials and more into meaningful information. The result? Fact-based decisions for undeniable bottom line impact – this is how we transform the way our customers do business. SAS is used at more than 60,000 sites in over 135 countries, including 90 of the top 100 companies on the 2012 Fortune Global 500® list. Since 1976 SAS has been giving customers around the world THE POWER TO KNOW®.



SISTEMA

www.sistemits.com

SISTEMA is a PTV Group company and an academic spin-off of Sapienza University of Rome located in Roma, Italy. It is today the main technology development centre for the PTV group in the ITS field, providing software solutions and services for traffic forecast and management, dynamic routing, journey planning and info-mobility applications. Offering to our clients tools to estimate and forecast mobility of people and goods, we want them to evolve from the observation of traffic data to the production and use of valuablemobility information and decisions. The PTV Group provides software and consulting services for transport, logistics and geo-marketing. Be it transport routes or sales structures, private or public transport - we plan and optimise everything which moves people and goods worldwide. The PTV Group currently has over 600 employees worldwide crafting powerful and innovative solutions. The head office, which is located in Karlsruhe, Germany, has been the centre of development and innovation since the formation of our company in 1979.



LOCALSOLVER

www.localsolver.com

LocalSolver is the first math programming software combining the simplicity of use of a model-and-run solver and the power of pure and direct local-search techniques. LocalSolver includes an innovative math modeling language for fast prototyping and lightweight object-oriented APIs for full integration. Having declared your optimization model using basic mathematical operators, LocalSolver provides you with high-quality solutions in short running times without any tuning. Integrating unique local-search techniques, LocalSolver scales up to 10 million variables, running on standard computers. Thus, LocalSolver is particularly suited for solving large-scale real-life combinatorial problems arising in business and industry. As example of its strength, LocalSolver was the sole general-purpose optimization solver to be qualified for the final tour of the Google ROADEF/EURO 2012 Challenge, thanks to a 100-line model. More recently, LocalSolver was chosen against state-of-the- art MIP solvers to solve an operational all-Japan food supply chain problem: 20 million variables with 3 million 0-1 decisions, handled in minutes.



LINDO

Exceptional ease of use, broad range of capabilities, and flexibility have made LINDO software the tool of choice for thousands of Operations Research professionals. LINDO offers a full range of solvers for all your needs. The Linear Programming solvers handle million variable problems fast and reliably. The Quadratic/SOCP/Barrier solver efficiently handles quadratically constrained problems. The Integer solver works with LP, QP and NLP models. The Global NLP solver finds the guaranteed global optimum of non convex models. The Stochastic Programming solver has a range of capabilities for planning under uncertainty. LINDO provides a full set of intuitive interfaces.



What'sBest is an Excel add-in to quickly build spreadsheet models that managers can use and understand. LINDO has a full modeling language for expressing models clearly and concisely with links to Excel and databases. LINDO API is a callable library that allows you to seamlessly embed the solvers into your own applications.

OPTIRISK



www.optirisk-systems.com

OptiRisk have been active in research for many years and have developed FortSP which is a specialised solver for Stochastic Programming. FortSP seamlessly connect to SAMPL and AMPLDev, and it implements various decomposition algorithms which exploits the structure inherent in models of those classes to speed up the solution process. FortSP uses CPLEX, Gurobi and FortMP which can be invoked as alternative underlying solver. In this presentation, we not only describe syntax and semantics of the extended language through some examples, but also discuss solver requirements, reformulation techniques and connection between the modelling system and external solvers.



2. THE CONFERENCE

The conference was held at the SAPIENZA University of Rome. Tecnical Sessions will be held in several building of the campus that have been divited in 5 colour sets. Each colour set includes buildings identified by the first letter of the colour set and a number (e.g. O1 or Y12). Each meeting room is indicated by the ID of the building plus its number (e.g. O1-1 or Y12-1).

2.1 Satellite Events - Group Meetings, Journal Meetings and Workshop

The EURO conference was accompanied by a number of satellite events – scientific workshops which benefitted from the local closeness to EURO – INFORMS 2013 and which, conversely, attracted further participants to join the entire experience of the EURO conference. Those satellite events were organised by some EURO and IFORS working groups, also by several companies.

The complete list of satellite events is as follows:

11th EUROPT Workshop on "Advances in Continuous Optimization" - Firenze, June 26-28

The primary objectives of EUROPT are to disseminate state-of-the-art knowledge and to support research in the broad area of continuous optimization. The Workshop will feature a series of invited lectures, together with invited and contributed sessions.

(www.europt2013.org).

Joint ICORD/EWG-ORD Workshop 2013: "Operations Research: Addressing Issues of Development" - Rome, June 27-28

The International Conference on OR for Development (ICORD) had been sponsored by IFORS (ifors.org/web/icord-history) every 3 years. A recent initiative called for yearly meetings, resulting in two workshops preceding the ICORD itself, which is scheduled for 2014 alongside the IFORS Triennial Conference. This workshop is one of the two preceding the 2014 ICORD. The 2012 workshop was held in Tunisia – with the cooperation of the EWG-ORD ifors.org/web/icord-workshop/. This 2013 workshop is a joint activity with the EWG-ORD satellite event. The EURO Working Group on Operational Research for Development (EWG-ORD); (web.ing.puc.cl /~fcrespo/eurofdv/), is a working group of EURO (www.euro-online.org/) which aims to promote and facilitate communication links among European and other researchers working in areas of operational research for development. (ifors.org/web/joint-icordewg-ord-workshop/).

Satellite Workshop of The State of the Art on "Problem Handling and Decision Making" - Rome, June 30 (Sunday) from 10 am till 1 pm - by invitation only

The representatives of different Euro Working Groups meet on Sunday morning 30 June 2013 from 10 am till 1 pm to discuss The State of the Art in the different fields of research.

(euro2013.org/wp-content/uploads/ DeTombestateoftheartwebeuro26rome2013.pdf)

European Journal on Computational Optimization (EJCO) - July 1, 2013

The editor-in-chief, Martine Labbé, organizes a meeting on the policy of EJCO. This meeting is restricted to the members of the editorial board of this EURO journal.

(Session MD-70: EURO Journal on Computational Optimization (Meeting open to editors only)).

European Journal on Decision Processes (EJDP) July 2, 2013.

The editor-in-chief, Ahti Salo, organizes a meeting on the policy of EJDP. This meeting is restricted to the **EUDO _ INFORMS YYVI _ Final Papert**



members of the editorial board of this EURO journal.

Session TB-70: EURO Journal on Decision Processes 1 (Meeting open to editors only).

European Journal on Transportation and Logistics (EJTL) July 2, 2013

The editor-in-chief, Prof. Michel Bierlaire, organizes a meeting of the editorial board of EJTL. This meeting is restricted to the members of the editorial board of this EURO journal.

(Session TD-67: EURO Journal on Transportation and Logistics (Meeting open to editors only)).

European Journal of Operational Research (EJOR) July 2, 2013

The editors of EJOR will give some characteristics of the journal, and will explain their approach to evaluation and selection of articles. They will point out topics of OR which recently raised the highest interest. They will also present the EJOR-R-index that is a quantitative measure proposed and used by them to award 25 best reviewers each year. Two other presentations in the session will be done by authors of representative and highly cited papers published recently in EJOR. The last part of the session will be devoted to discussion about EJOR - some general questions will be welcome.

(Session TD-74: Meet with Editors of EJOR (Meeting open to all participants. Drinks will be offered)).

International Conference on "Stochastic Programming" - Bergamo, July 8-12

The ICSP is organized by COSP, the Committee on Stochastic Programming, a technical section of the Mathematical Optimization Society. The conference aims to bring together the leading researchers in Stochastic Programming as well as academic colleagues from neighbor scientific areas, practitioners in the industrial and institutional sectors, doctoral students to share recent theoretical and applied results and push forward the state-of-the-art in this field. On July 6 and 7, a two-day introductory series of Tutorials precedes the main conference to provide sufficient background in Stochastic Programming. (http://dinamico2.unibg.it/icsp2013).

2.2 Attendance to the Conference

We could identify 3592 registered participants and 215 accompanying persons from 71 different countries of all continents, distributed as shown in the next table:

Registered participants

Country	Total	Country	Total
Algeria	43	Lithuania	16
Argentina	4	Luxembourg	3
Australia	38	Macao	2
Austria	54	Malaysia	5
Belarus	1	Mexico	15
Belgium	92	Moldava, Republic of	3
Belize	1	Marocco	3
Botswana	1	Nepal	4
Brazil	115	Netherland	100
Burkina Faso	1	New Zealand	9
Canada	85	Nigeria	7
Cile 41	41	Norway	42
China	51	Pakistan	3
Colombia	37	Paraguay	1
Costa Rica	2	Peru	4
Croatia	13	Philippines	2
Cyprus	1	Poland	48



Czech Republic	26	Portugal	80
Denmark	31	Qatar	4
Egypt	2	Romania	13
Estonia	3	Russian Federation	105
Finland	24	Saudi Arabia	8
France	197	Serbia	16
Gambia	1	Sierra Leone	2
Georgia	8	Singapore	21
Germany	323	Slovakia	27
Ghana	2	Slovenia	17
Greece	81	South Africa	16
Hong Kong	26	Spain	154
Hungary	11	Sudan	2
Iceland	2	Sweden	27
India	35	Switzerland	31
Indonesia	22	Taiwan	
Iran, Islamic Republic of	19	Thailand	4
Ireland	14	Tunisia	19
Israel	42	Turkey	395
Italy	286	Ukraine	6
Japan	93	United Arab Emirates	3
Kazakhstan	2	United Kingdom	
Korea, Republic of	16	United States	
Latvia	2	Uruguay	1
Lebanon	2		

2.3 Financial Support to Participants

EURO provided financial aid to support the attendance of delegates from weak currency countries, as done successfully at previous EURO-k conferences. According to these previous experiences, the waiving of the fees is based on the level of economic development of the respective country as it has been classified by the World Bank (http://data.worldbank.org/about/country-classifications/country-and-lending-groups). The registration fee was fully or partly waived as follows.

Applications for this aid were evaluated by the local organising committee, and almost all of the applications were positively answered. The financial aid was allocated to 42 participants. The following table provides the information about the country distribution of the support.

Country	No	Country	No
Bielorussia	2	Romania	2
Chile	1	Russia	5
India	3	Serbia	1
Kazan Russia	1	Turchia	18
Lithuania	1	Ukraine	4
Marocco	2		
Moldavia	2		



Finally, about 40 fee were waived (35 regular and about 7 students).

Fee	No
Regular fee waived	35
Student fee waived	7

2.4 Special Journal Issues

The EURO - INFORMS 2013 Programme Committee consequently operated a policy to publish special issues of advanced OR publications in top-rated journals. The following special issues have been announced to participants of EURO - INFORMS 2013:

- **EURO Journal on Decision Processes** (https://www.editorialmanager.com/ejdp) devoted to Operational Research and Ethics).
- Springer LNBIP Issue Lecture Notes in Business Information Processing (LNBIP) Springer Book on "Impact of the Web of Things in Decision Support Systems for Global Environments " F.Dargam, J.E.Hernández, P.Zaraté, S.Liu, R.Ribeiro, B.Delibasic, J. Papatanasiou (editors) Expected book publication: 2nd Quarter of 2014. This Issue will contain selected and revised full papers of the EWG-DSS DSS Stream on the EUROXXVI INFORMS in Rome.
- *JDS Journal of Decision Systems* Special Issue on "Knowledge-based Decision Systems" Shaofeng.Liu, Pascale Zaraté, Rita Ribeiro (Guest Editors) Expected book publication: 2nd Quarter of 2014. This Special Issue will contain selected and revised full papers of the EWG-DSS DSS Stream on the EUROXXVI INFORMS in Rome
- *City Logistics EURO* Journal on Transportation and Logistics Guest editors: Teodor Gabriel Crainic and Dominique Feillet.



2.5 Social Events

"Get Together Party" – Sunday, June 30th

On Sunday the participants were invited for a pleasant evening at the "Get Together Party" Reception in University Campus. It has been an opportunity to meet up with old colleagues and meet new ones.



"Get Together Party"





The "Get Together Party" was enlivened by MuSa Classica orchestra



"Night@Sapienza" - Tuesday, July 2nd

On Tuesday night was organized a night spent together inside the campus enjoying mediterranian food and musicamong flavours and music. It has been a good networking opportunity.



The Night@Sapienza was enlivened by MuSA artists who will play jazz and choral music



"The Social Dinner" - Wednesday, July 3rd

The social dinner was held Wednesday at the "Cafe of the Arts" adjacent to the National Gallery of Modern and Contemporary Art. Founded in 1883 with the aim of documenting the art of "living" at that time and now display important collections of 19th and 20th century, the museum is one of the highlights



of Rome.



"National Gallery of Modern and Contemporary Art"



2.6 Exhibitions

A full package with some optional items was offered for exhibitors. The basic package included the availability of a stand and 2 or 3 free full registrations as a regular participant. Other items (advertisements and meeting rooms) were considered by the exhibitor on an optional basis.

A total of 13 exhibitors were present at the conference to display books and software.

Opening hours for the exhibition were:

Sunday, June 30	16:00 – 22:00
Monday, July 1	8:00 - 17:30
Tuesday, July 2	8:00 - 17:30
Wednesday, July 3	8:00 - 17:30
Thursday, July 4	8:00 - 17:30



Exhibitors:







http://disd.sta.uniroma1.it/







http://www.gurobi.com/



















3. FINANCIAL STRUCTURE

The following tables contain all finalcial flows including income from sponsorship and exhibitors.

Table 1 presents the incomes and expenses grouped into general item. As shown in the table, a total profit in the amount of Euro 73.727,82 was attained by the organization of the EURO – INFORMS XXVI Conference in 2013 in Rome. That value comes from a total income of EURO 922.680,70 covering expenses summing up to EURO 848.952,88

Table 1 - Finance Balance			
INCOMES		EXPENSES	
REGISTRATION FEES	861.830,70	Printing	37.820,26
SPONSORSHIP	60.850,00	Marketing	21.460,93
		Venue, rooms, equipment	130.353,35
		Administration, Secretary & Students	185.592,31
		Conference Committees	13.905,83
		Bags and Inserts 62.7	
		Social events, Catering 244	
		Invited Speakers 42	
		Bank & Account costs	35.352,19
		EURO Fee	56.560,00
		Low Income Contribution	4.530,00
		Contribution for Social Dinner	13.800,00
		TOTAL EXPENSES	848.952,88
		Profit 73.727	
TOTAL INCOMES	922.680,70	TOTAL	922.680,70

In Table 2, we provide details about the registration fees collected from the participants

Table 2 - registration fees					
Description	Fee Net Vat	Total Fee	Participants	Total Vat	Income Net Vat
RegularEarlyRegistrations	289,26	350,00	2.029	123.241,46	586.908,54
RegularLate	388,43	470,00	239	19.495,23	92.834,77
RegularEarlyRegistrations	289,26	350,00	23	1.397,02	6.652,98
Low-incomecountryregular	289,26	350,00	41	2.490,34	11.859,66
StudentEarlyRegistrations	157,02	190,00	904	29.811,21	141.948,79
StudentLateRegistrations	239,67	290,00	71	3.573,43	17.016,57
Low-incomestudent	157,02	190,00	17	560,61	2.669,39
Penaltiescancellation					1.860,00
FeereducedIFORS					80,00
FeeWaived			116		
TOTAL			3.440	180.569,30	861.830,70

Notes

- EURO 2013 covered from its balance 4.530 euros for low income countries.
- The Social dinner tickets were accounted outside of the conference balance; the conference covered for additional costs not covered by the Dinner Tickets for 13.800, as reported.
- Sponsors and Exhibitors were accounted jointly.



4. SUMMARY AND CONCLUSIONS

Main figures of the Conference:

3592 Registered participants
215 Accompanying persons
395 Streams
891 Sessions
71 Different parallel sessions
3202 Presentations included in the abstract book

The EURO - INFORMS XXVI Conference organised in Rome, for the first time inEurope so far, simply provided a forum for multidisciplinary communication of recent work and promotion of operational research among participants from different parts of Europe and North America. The EURO – INFORMS XXVI conference was a successful EURO-k conference with respect to the number of participants, number of presented papers, and good organisation. Below, we summarize some of the most important factors that may have contributed to that success.

Promotion:

- Promotion at various OR and INFORMS conferences, well in advance, either by distributing markers and flyer with the Call for Papers, or simply by personal word of mouth information; the promotional materials were also sent to universities, societies, working group, etc;
- The Conference announcement was typed in many websites, and Call for Papers was distributed by e-mail to an extensive database of addresses, including many societies and working groups otside EURO and INFORMS;
- Finding a large number of researchers willing to organise invited streams, and therefore attracting more participants;
- Support for regular participants and students from weak currency countries we have supported 42 participants and 7 among them;
- Online information and interaction: good and regularly updated web pages, with all the necessary information, and relatively fast answers to queries by e-mail.

Location and venue:

- Rome is indeed one of the most attractive cities in the world and offered the possibility to host all
 the delegates in a variety of hotels. Moreover, the Univerity of Rome La Sapienza made it
 possible to accomodate all parallel sessions and plenary all the sessions and some social events;
- The conference venues were easily reachable by walking and public transportation from most hotels in Rome;
- All the conference buildings and support facilities were within a short walking distance from one another inside the University Campus;
- Enough space, indoors and outdoors, was provided with the facilities for sitting down, for working or informal discussions.



Organisation:

- Several key organizational tasks (on-site registration, payments, accommodation, help to social events among others) were committed to an experienced conference organization company;
- A large number of volunteers student, helpful and responsible, were involved, with one or more students provinding support each session, and with groups of students mobilized to support every other activity;
- Registration desks with well prepared and well informed assistants;
- Lunch very well organized, with no queues, and included in the conference fee;
- Receptions well organized.

Further efforts:

- Plenty of food and drinks available, even off the formal coffe breaks;
- Name tags clearly readable both sides
- Excellent knapsack, with unique and carefully thought design;
- Some computer rooms had been mede available to delegates.

Committees:

- The Program Committee was composed by very active and prominent members of the EURO and INFORMS community who exrted tremendous effort crafting a very stimulating conference program;
- The presidents of the Program Committee, Marc Sevaux (Co-Chair | EURO) and David Simchi-Levi (Co-Chair | INFORMS), have given a lot of their own to ensure an excellent group of speakers and to maintain control of a real tidal wave of e-mail messages on various aspects;
- The Organizing Committee was composed by strongly dedicated local team being able to put many disparate pieces together into a well integrated conference.

Rome, May 31th, 2014



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