



FINAL REPORT

**EURO XXIV
Lisbon, Portugal
JULY 11-14, 2010**

**This report was prepared by José Pinto Paixão and submitted to the EURO
Executive Council.**

December 2011

Lisbon, Portugal

EURO XXIV LISBON

24th European Conference on Operations Research

EURO XXIV CONFERENCE

JULY 11-14, 2010 - Lisbon

1. PLANNING AND ORGANIZATIONAL DECISION-MAKING

In 2007, at the EURO XXII Conference in Prague, the Portuguese Operational Research Society (APDIO) was formally appointed to host the EURO XXIV Conference in 2010 in Lisbon, Portugal.

The Conference organization and structuring was carried out according to the agreement between EURO and APDIO signed in 2008.

1.1 Programme Committee

- Silvano Martello, chair (Università di Bologna, Italy)
- José Paixão (Universidade de Lisboa, Portugal, OC Chair)
- Jacek Blazewicz (Politechnika Poznanska, Poland)
- Denis Bouyssou (Université Paris Dauphine, France)
- Edmund K Burke (University of Nottingham, England)
- Marielle Christiansen (Norges Teknisk-Naturvitenskapelige Universitet, Norway)
- Stefan Nickel (Universität Karlsruhe, Germany)
- José Fernando Oliveira (Universidade do Porto, Portugal)
- David Pisinger (Københavns Universitet, Denmark)
- Gerhard Wäscher (University of Magdeburg, Germany)
- Gerhard-Wilhelm Weber (Middle East Technical University, Turkey)
- Gerhard Woeginger (Technische Universiteit Eindhoven, The Netherlands)

1.2 Organizing Committee

- José Paixão, chair (Universidade de Lisboa, Portugal)
- Silvano Martello, (Università di Bologna, Italy, PC chair)
- Gerhard Wäscher (University of Magdeburg, Germany, EURO Vice-President)
- Ana Paula Póvoa (Universidade Técnica de Lisboa)
- António Proença (Companhia CARRIS)
- António José Rodrigues (Universidade de Lisboa)
- Domingos Cardoso (Universidade de Aveiro)
- João Chambel Leitão (EDP – Electricidade de Portugal)
- João Patrício (Instituto Politécnico de Tomar & Instituto de Telecomunicações)
- João Telhada (Universidade de Lisboa)
- Joaquim Borges Gouveia (GALP & Universidade de Aveiro)
- José Fernando Oliveira (Universidade do Porto)
- José Valério de Carvalho (Universidade do Minho)
- Manuel Furtado Martins (REFER EP)
- Margarida Vaz Pato (Universidade Técnica de Lisboa)
- Maria Eugénia Captivo (Universidade de Lisboa)

1.3 Partners



The Association of
European Operational
Research Societies



EURO and APDIO were natural partners giving support in many aspects, mainly the ones related to the submission procedure and the organization of the streams and sessions.

As usual for the EURO Conferences, IFORS Distinguished Lecture was one of the highest moments of the EURO XXIV Conference.



In 2009, a contract was established between APDIO and Viagens Abreu, SA, a travel agency with a department specialized in organizing conferences. Among their responsibility was the handling of all accommodation and travel matters for the participants, payments, on-site registration, support to the social program of the conference, as well as other operational matters. The cooperation with Viagens Abreu, SA turned out to be very successful.



The Faculty of Sciences of the University of Lisbon (FCUL) was the main institutional partner, allowing the using of its facilities and equipment, and providing administrative and technical support for the several activities related to the Conference. All of that was done at very convenient costs for the organization.

The Rectory of the University of Lisbon (UL) gave a significant support to the Conference by making the Aula Magna (main amphitheatre) available for the Plenary Lectures and Keynote Speeches. Also, the Cantina was fully reserved to the participants, at lunch time, during the 3 days of the conference. Usage of the facilities at UL, namely, the amphitheatre and the technical equipment, was possible under special costs for this event.



UNIVERSIDADE
DE LISBOA



Centro de Investigação Operacional

The Operations Research Centre gave important support in terms of manpower for secretariat and several other operational tasks (preparation of the bags, escort service for the boat trips, welcome team at airport, and organization of sightseeing tours for invited speakers ...).

The National Foundation for Scientific Computing (FCCN) provided the equipment and the technicians necessary for recording the invited lectures and the keynote talks.



The Higher School for Social Communication (ESCS) guaranteed the covering of the Conference, namely producing a film and photos registering the most relevant activities.

1.4 Conference Venue

The conference was held at the University of Lisbon, both at the Faculty of Sciences and at the Rectory, which are located very close to each other. The parallel sessions were held at Buildings C1, C2, C3, C6 and C8 of the Faculty of Sciences of the University of Lisbon. The Plenary and Keynote Speakers took place in the Aula Magna of the Rectory of the University of Lisbon, on Monday and Tuesday and in the large amphitheatre of Building C3 at the Faculty of Sciences of the University of Lisbon, on Wednesday. All of the buildings are very close



to each other and all the conference rooms and other facilities were within very short walking distance (3-5 minutes). The registration desk was located in the foyer (ground floor) of Building C6 and inside Building C3 (first floor). There was also a Help Desk located in the foyer (ground floor) of Building C6, to deal with late registration, payments and any issue regarding accommodation or tours. Lunch was served, from 11:30

to 14:30, in the Cantina located right in front of the Aula Magna and very close to the Tube Station «Cidade Universitária». Vegetarian food was available. Coffee, tea, juices and bottled water were available during the conference works. Biscuits were served regularly at special tables located in each building.

1.5 Accommodation

The participants stayed in many Lisbon hotels located nearby the university or in the city centre but very close to tube stations allowing direct access to the Conference Venue. Special facilities were offered, on demand, to participants on a relatively tight budget.

1.6 Conference Fees

There were four registration categories: regular participants, students, retired persons (over 65) and accompanying persons.

The registration fee for a full delegate (regular, retired or student) covered the participation in all sessions, access to the exhibition area, conference materials (Bag, Final Program, Book of Abstracts), transfer from the Lisbon International Airport to hotels in the central area of the city (July 9–12), participation at the welcome reception (July 11, 19:00 – 23:00), a 3-day travel card valid for surface transport operators and the underground, unlimited use of coffee tables, lunches (July 12–14) and a boat trip (July 11, 12 or 14).

For the accompanying persons, the registration fee covered the transfer from the Lisbon International Airport to the hotels located in the central area of the city (July 9–11), participation at the welcome reception (July 11, 19:00 – 23:00), 3-day travel card, coffee breaks and lunches (July 12–14), a boat trip (July, 12 or 14) and a one day tour, including lunch, to Estoril and Sintra famous places in the outskirts of the city of Lisbon (July 12 – 9:00).

The table below shows the final fees for the different classes of participants.

Regular Early (until April 15, 2010)	320 Euros
Regular Late (after April 15, 2010)	420 Euros
Student Early (until April 15, 2010)	170 Euros
Student Late (after April 15, 2010)	220 Euros
Retired persons (over 65)	170 Euros
Accompanying Persons (adults)	120 Euros
Accompanying Persons (children)	60 Euros
Banquet (Tuesday night)	70 Euros

1.7 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 (Lisbon), 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: 1. to find as many as possible stream and sessions organisers, because they are sources of many conference participants – it is the most important point according to our meaning. 2. To promote the conference on many scientific events, announcements in many web sites, etc.

Announcement:

2000 announcements (book-markers) were printed out in 2008 and distributed at several international conferences (IFORS 2008 was the first one). A second series of book-markers was delivered at the EURO XXIII conference in Bonn (2009).





Call for Papers:

5000 flyers with the call for papers were produced in October 2009. They were mailed to all European OR national societies and EURO Working Groups, and were distributed at many conferences during 2009 and 2010, including EURO XXIII in Bonn.



Conference Website:

The website <http://www.euro2010lisbon.org> containing basic information was open in its final form in November 2009 by the local organizers. The website turned out to be a powerful tool handling effectively registration to the conference, electronic abstract submission and all communication with the participants. The website was gradually improved in the course of time, adding up information and later the possibility 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.

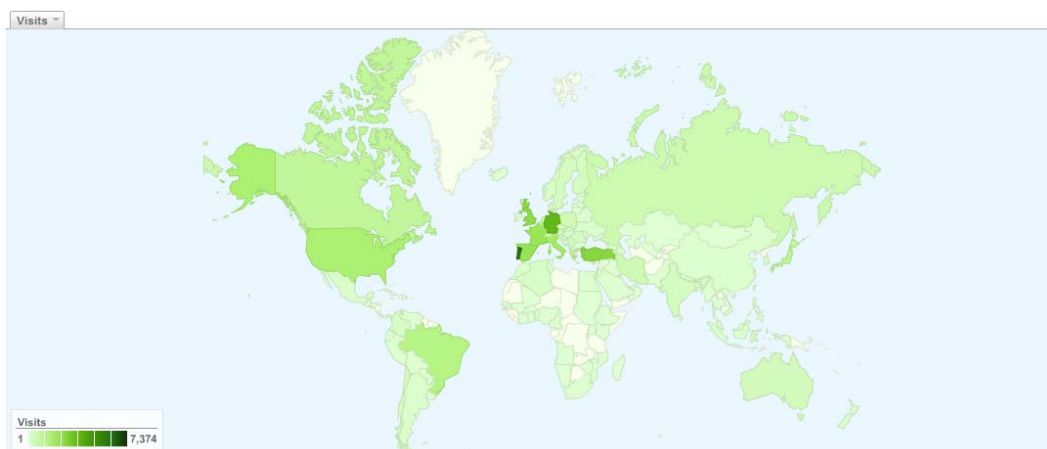


The graph presented above shows the number of visits per day, during the period between April 27th (the beginning of our data collection) and July 10th (right before the conference started). During this period there were a total of 48993 visits (653 visits per day, in average). One can notice the natural increase of visits with the approaching of the conference. The peak of 1725 visits on one day was reached on July 9th. Some additional information is that, in average, each visitor stayed almost 4 minutes in the site and 39, 24% of the visits were by people that never visited it before.

The next table shows how people were directed to the conference website. It's clear that people used mainly the Google engine to get to the conference site. We should also remark that some percentage was also redirected by the EURO website.

Source	Visits	Pages / Visit	Average time on site
Google	25765 (52,6%)	4,07	3m42s
direct	16528 (33,7%)	3,96	3m58s
euro-online.org	1389 (2,8%)	4,76	4m30s
euro2010lisbon.org	709 (1,4%)	3,25	10m56s
bing	356 (0,7%)	3,73	3m30s

The map below shows the geographical distribution of the visits during the period mentioned. There is some widespread distribution, although concentrated in Europe, North America and Brazil.



The next table shows all the details about the figures regarding the origin for the website visits by country.

Country	Visits	Pages / Visit	Average time on site
Portugal	7374	3,87	4m40s
Germany	4356	4,42	3m52s
Turkey	3291	3,90	3m27s
United Kingdom	3095	4,46	4m03s
Spain	2828	4,92	4m12s
France	2762	3,90	3m59s
Italy	2435	4,02	3m58s
United States	2109	3,72	3m25s
Brazil	1679	3,70	3m51s
Greece	1346	3,84	3m13s
Japan	1344	4,51	3m37s
Belgium	1289	3,95	2m47s
Canada	1252	3,41	3m06s
Switzerland	825	3,42	2m52s
Netherlands	759	4,09	3m22s
Russia	755	3,63	3m36s
Taiwan	704	5,71	5m21s
Islamic Republic of Iran	677	3,75	4m58s
Poland	637	4,56	4m13s
Austria	548	3,98	3m44s

Finally, the next figure shows how the weekly number of visits occurred after the conference and until the end of 2010. The total number of visits on that period was 22539.



1.8 Important Deadlines

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

Submission of abstracts starts:	October 2009
Deadline for abstract submission (extended deadline):	March 22, 2010
Notification of acceptance:	March 31, 2010
Deadline for early registration (extended):	April 20, 2010
Deadline for author registration (for inclusion in the program):	May 7, 2010
Conference:	July 11-14, 2010

The original deadline for abstract submission was February 28 but, due to many requests, that deadline was extended by 3 weeks. The notification of acceptance deadline was kept unchanged. However, the deadline for early registration was changed from March 31 to April 15 and then to April 20, due to the high number of people trying to access the webpage for registration. Consequently, the deadline for author registration, in order to be included in the program was also extended by 1 week, from April 30 to May 7.

1.9 Meetings of the Committees

The Programme Committee formally gathered twice:

- July 2009 - in Bonn during the EURO Conference
- May 2010 – in Lisbon, University of Lisbon, Faculty of Sciences

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

- the conference program was divided into “main streams” and each member of the PC was responsible for one or several main streams; each main stream consisted of several streams with one or more stream organizers; the stream was defined as a group of several sessions (each session consisting of 4 papers),
- a 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 organizational matters as conference schedule, accommodation, social program, inserts into bags, etc. were discussed.

In May 2010, 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.

The Organizing Committee had just one formal plenary meeting per year, from 2007 until 2010. In fact, most of the exchange of ideas and the distribution of tasks were done by using electronic mailing and videoconference. A small executive group (José Paixão, Maria Captivo, António Rodrigues, João Telhada, Margarida Pato) met on a weekly basis assuring the coordination of the work.

1.10 Conference Program

The OC and PC adopted the following theme for the Conference “O.R.: A Tool for Innovation”.

Conference Structure

Following the regular format for EURO conferences, the EURO XXIV 2010 conference featured plenary, semi-plenary, with a large number of invited and contributed sessions on topic areas. The Plenary and keynote Lectures were videotaped and later broadcast over the internet.

Opening Session:

Welcome address

Valerie Belton, the President of EURO (The Association of European Operational Research Societies)

Joaquim Júdice, the President of APDIO (The Portuguese OR Society)

António Nóvoa, Rector of the University of Lisbon

Awards

Announcement of the EURO Management Science Strategic Innovation Prize (MSSIP 2010) on the topic of Optimization in Telecommunications, by Eric Gourdin (Chair of the Jury)

Announcement of the finalists of the EURO Doctoral Dissertation Award (EDDA), by Mikael Rnnqvist (Chair)

Announcement of the finalists for the EURO Excellent in Practice Award 2010 (EEPA 2010), by Maria Grazia Speranza (Chair)

Announcement of the finalists of the ROADEF/EURO Challenge 2010, by Christian Artigues (Chair)

Announcement of the winner of the EURO Distinguished Service Award (EDSM), by Tuula Kinnunen (Chair)

Announcement of the winner of the EURO Gold Medal, by Lawrence Wolsey (Chair)

Plenary presentation

Lecture given by Rolf Möhring, the Laureate with the EURO Gold Medal

Latest information & special remarks

Silvano Martello, Chair of the Programme Committee

José Pinto Paixão, Chair of the Organizing Committee



Closing Session:

Awards

Announcement of the winner of the EURO Doctoral Dissertation Award (EDDA), by Mikael Rönqvist (Chair of the Jury)

Announcement of the winner of the EURO Management Science Strategic Innovation Prize (MSSIP 2010) on the topic of Optimization in Telecommunications, by Eric Gourdin (Chair of the Jury)

Announcement of the winner of the ROADEF/EURO Challenge 2010, by Christian Artigues (Chair of the Jury)

Calls

IFORS 2011, by Janny M.Y. Leung, Chair of the Scientific Programme Committee

EURO 2012, by Leonidas Sakalauskas, Chair of the Organizing Committee

Farewell Addresses

Silvano Martello, Chair of the Programme Committee

Valerie Belton, President of EURO

José Pinto Paixão, Chair of the Organizing Committee

Plenary Speakers

Harold W. Kuhn - A Tale of Three Eras: The Discovery and Rediscovery of the Hungarian Method

John F. Nash, Jr. - The Agencies Method for Modeling Coalitions and Cooperation in Games

Keynote Speakers

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

Title of the talk	Speaker
Problem Structuring Methods 'in the Dock'! : Arguing the case for Soft OR	Fran Ackermann
The combinatorics of Social Choice	Noga Alon
You want them to Remember? Then Make it Memorable!	James Cochran
Operations Research for Green Logistics	Rommert Dekker
Location problems on networks with routing	Elena Fernández
Can the computer make scientific discoveries?	Pierre Hansen
Bilevel programming and price optimization problems	Martine Labbé
The Discretizable Molecular Distance Geometry Problem	Nelson Maculan
Safe tractable approximations of chance constraints	Arkadi Nemirovski
Computational Complexity of Stochastic Programming	Alexander Shapiro
Exact and Heuristic Algorithms for the Vertex Coloring Problem	Paolo Toth
A Combinatorial Approach to Secondary Spectrum Auctions	Berthold Vöcking

Invited and Contributed Sessions and Streams

Streams were defined as a set of at least three sessions, each ideally with four presentations. In several special cases the streams included less than three sessions for several reasons, e.g. special streams organised by firms (IBM,), streams with reduced number of abstracts, ... Many streams contained more than 10 sessions. Submitted papers were grouped into contributed sessions. In some cases, in order to have 4 papers in each session, contributed papers were grouped with invited papers. Finally, there were 143 streams with invited or contributed sessions (see the list below). The total number of all sessions (plenary, semi-plenary, invited and contributed) was 704. The total number of presentations included in the abstract book was 2351. A very few number of no-shows were registered.

The number of registrations by June 30 was 2680. There were some cancelations due to several reasons (visa refusal, illness, accidents ...). The final number of participants was 2541.

List of Invited and Contributed Streams

Actuarial Sciences and Stochastic Calculus	EURO Management Science
Agent-Based Modeling	Strategic Innovation Prize (MSSIP 2010)
Agent-Based Modeling [c]	on the topic of Optimization in Telecommunications
AIMMS User Meeting [c]	Experimental Economics and Game Theory
Algorithmic Decision Theory	Facilitated Modelling in OR
Algorithmic Decision Theory [c]	Facility Logistics
Analytic Hierarchy Processes, Analytic Network Processes	Financial Mathematics and OR
Applications in Business Intelligence and Knowledge discovery	Financial Mathematics and OR [c]
Boolean Programming	Financial Modeling
Combinatorial Optimization	Financial Optimization
Combinatorial Optimization [c]	Fuzzy Systems, Neural Networks & Artificial Intelligence
Computational Biology, Bioinformatics and Medicine	Fuzzy Systems, Neural Networks & Artificial Intelligence [c]
Computational Statistics	Geometric Clustering
Container Terminal Operations	Global Optimization
Convex Optimization	Graph Searching and Guarding
Cooperative Game Theory	Graphs and Networks
Cooperative Game Theory [c]	Health Care Management
Cutting and Packing	Health Care Management [c]
Data Mining and Applications [c]	IBM Research Applications
Data Mining and Decision Making	Ill-posed Variational Problems – Theory, Methods and Applications
Data Mining in Early Warning Systems	Inventory Management
Data Mining in the Financial Sector	Inventory Management [c]
DEA and Performance Measurement	Iterative Methods for Economic Models
Decision Making	Knowledge Discovery and Data Mining
Decision Support Systems	Life Insurance, Risk Management & OR
Demand and Supply in Consumer Goods and Retailing	Linear and Conic Programming
Demand, Pricing and Revenue Management	Location Analysis
Discrete and Global Optimization	Long Term Financial Decisions
Discrete Optimal Control	Long Term Planning in Energy, Environment and Climate
Dynamic Programming	Lot-sizing and Scheduling, Economic Order Quantity
Dynamical Systems and Game Theory	Machine Learning and Its Applications
Dynamical Systems and Mathematical Modelling in OR	Maritime Logistics
Education, and Social Policy	Mathematical Programming
EJOR	Mathematical Programming [c]
Emerging Applications of OR	MCDA I: New Approaches and Applications
Energy, Environment and Climate	MCDA II: Axiomatic Basis, Meaningfulness, and other Issues
Energy, Environment and Climate [c]	MCDA II: Axiomatic Basis, Meaningfulness, and other Issues [c]
Engineering Optimization	Metaheuristics
EURO Doctoral Dissertation Award	Methodology of Societal Complexity
EURO Excellence in Practice Award 2010	Mixed-Integer Non Linear Programming

Multi-Objective Optimization
Network Optimization
Network Optimization [c]
Nonconvex Programming: Local and Global Approaches
Nonlinear Programming
Nonlinear Programming [c]
Nonsmooth Optimization
Numerical Methods in Finance
Operational Research and Quantitative Models in Banking
Optimal Control
Optimization and Data Mining
Optimization for Sustainable Development
OR and Ethics
OR and Real Implementations
OR Applications in Industry
OR for Development and Developing Countries
OR for Development and Developing Countries [c]
OR for Madeira (and related challenges)
OR for Sustainable Development
OR in Agriculture and Forest Management
OR in Agriculture and Forest Management [c]
OR in Fisheries, Maritime Sciences and Related Aspects
OR in Military
OR in Oil Sector
OR in Sports
OR in Water Management
OR/MS: Beyond Mathematics
Portfolio Decision Analysis
Preference Learning
Project Management and Scheduling
Project Management and Scheduling [c]
Public Transport

Public Transport [c]
Realistic Production Scheduling
Revenue Management
ROADEF/EURO challenge
Scheduling
Scheduling under Resource Constraints
SD Modeling in Sustainable Development
Semi-Infinite Optimization
Simulation Based Decision Support
Simulation Methods in Finance
Soft OR and Problem Structuring Methods
Software for OR/MS
Stochastic Modeling and Simulation
Stochastic Models for Service Operations
Stochastic Programming 1
Stochastic Programming 2
Stochastic Programming 2 [c]
Stochastic Valuation for Financial Markets
Supply Chain Planning
Supply Chain Planning [c]
Sustainable Living: Cognitive, Social, Economical, Ecological and World View
System Dynamics Modeling
Teaching OR/MS
Timetabling and Rostering
Transportation and Logistics
Transportation and Logistics [c]
Transportation Planning
Variational Inequalities, Complementarity Problems and Bilevel Programming
Vector and Set-Valued Optimization
Vehicle Routing
Vehicle Routing [c]
Young People for System Theory, Optimization and Education

Preparation of the Final Program and Abstract Book

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



The acceptance of the themes 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 give these Stream Organisers the power to accept the Session Organisers and the papers in their streams leaving to the Programme Committee only a veto right (which actually was never needed). Thus, the forming of those streams was left in the hands of the Stream Organisers.

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 needed 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 for the plenary, semi-plenary, Opening and Closing Sessions, etc.

The Final Programme also contained abstracts for the presentations so no separate abstract book was needed.

1.11 Sponsors

The great majority of the sponsors supported the EURO XXIV Conference by offering their services with very significant reductions on the costs.



Portuguese Airlines (TAP) fully supported the air fares for John Nash and family (3 persons) and part of the air fares for Harold Kuhn and his wife.

The three-day travel registered the main mass CARRIS and METRO



card offered to the participants and accompanying persons were provided by transport operators in Lisbon: Companhia (Metropolitano de Lisboa).



CARRISTUR managed the welcome desk at the Airport of Lisbon and operated the airport-hotel transfer offered to the participants and the accompanying persons. Besides that, they organized the tour for the registered accompanying persons.



TRANSTEJO supported the boat trip.

CAMARA
CÂMARA MUNICIPAL de
chairs, tables and stands for



MUNICIPAL de LISBOA and
TORRES VEDRAS provided
the Welcome Reception.

Juices offered in coffee-breaks and lunches were provided by



REFER and RAVE, railways operators, subsidized the Conference

2. THE CONFERENCE

The conference was held at the University of Lisbon, both at the Faculty of Sciences and at the Rectory in Lisbon, Portugal, in 48 parallel meeting rooms in 6 buildings, as mentioned earlier. 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. The only exceptions were some sessions on Monday morning where there was some problem with the equipment causing some delay in the starting of a very small number of sessions.

2.1 Satellite Events

The EURO conference was accompanied by a number of satellite events – scientific workshops which benefitted from the local closeness to EURO 2010 and which, conversely, attracted further participants to join the entire experience of the EURO conference. Those satellite events were organized by some EURO working groups, but also by several companies, mostly from the sector of software development and distribution, e.g., optimization, modeling and traffic. Those companies further served as sponsors so that the conference organization and the participation of researchers from developing and emerging countries became very much facilitated.

The complete list of satellite events is as follows:

- GAMS Workshop – How can I make this work ... arrgghh ?
- Optimization Modeling with MPL and Python: New Features, New Trends and Free Software
- IBM® ILOG Optimization Pre-Conference Workshop
- State of the Art Workshop
- 8th EUROPT Workshop “Advances in Continuous Optimization”
- OR Running on Public Transport
- A EURO ORD Workshop on OR for Developing Countries – Young Researchers and PhD Symposium
- The 1st IRSES Marie Curie Workshop on Industrial Extensions to Production Planning and Scheduling
- DSS 2010 – the 15th IFIP WG 8.3 International Conference on Decision Support Systems
- International Conference on Modelling, Optimization and Dynamics

The last event took place in Oporto University, July 4-10. DSS 2010 took place in the same venue as EURO 2010, July 7-10.

The list of special meetings included also meetings within EURO, its leading committees as well as its working groups, a meeting of IFORS leaders, and the annual meeting of the members of APDIO.

2.2 Attendance to the Conference

Registered participants: 2541
Accompanying persons: 148

We could identify participants from 69 different countries from all continents, distributed as shown next.

Country	nb.	Country	nb.	Country	nb.
Algeria	11	Guatemala	1	Peru	1
Argentina	2	Hong Kong	10	Philippines	1
Australia	25	Hungary	13	Poland	46
Austria	44	Iceland	1	Portugal	292
Bangladesh	1	India	14	Romania	7
Belgium	76	Indonesia	2	Russia	34
Bolivia	1	Iran	23	Saudi Arabia	2
Bosnia and Herzegovina	1	Ireland	10	Serbia	24
Brazil	77	Israel	23	Singapore	4
Bulgaria	2	Italy	138	Slovakia	4
Canada	59	Japan	51	Slovenia	17
Chile	19	Jordan	1	South Africa	5
China	6	Korea South	6	Spain	175
Colombia	11	Latvia	5	Sweden	25
Croatia	12	Lithuania	7	Switzerland	37
Czech Republic	29	Luxembourg	5	Taiwan	43
Denmark	28	Malaysia	2	Tunisia	6
Egypt	2	Mexico	7	Turkey	177
Estonia	1	Morocco	1	Ukraine	7
Finland	23	Netherlands	54	United Kingdom	170
France	166	New Zealand	4	United States	94
Germany	270	Norway	19	Venezuela	2
Greece	61	Paraguay	3	Zimbabwe	1

2.3 Financial Support to Participants

EURO provided financial aid to support the attendance of delegates from low currency countries, particularly East and Central European Countries. The registration fee was fully or partly waived for those who got the support. Applications for this aid were evaluated by the local organizing committee, and almost all of the applications were positively answered. A total amount of 12266 Euros was allocated as the financial aid to 87 participants largely compensated by a special subsidy obtained from EOARD.

The following table provides the information about the country distribution of the support.

Country	nb.	Country	nb.
Algeria	1	Latvia	1
Bangladesh	1	Malaysia	1
Bolivia	1	México	1
Brazil	2	Poland	1
Chile	1	Romania	3
Colombia	2	Russia	8
Egypt	1	Serbia	15
India	3	Tunisia	5
Iran	6	Turkey	25
Israel	1	Ukraine	7
Venezuela	1	Total	87

Next table summarizes the financial aid provided to the successful applicants:

Regular		
waived 40%	192 €	10
waived 40% (late)	252 €	1
waived 50%	160 €	21
waived 75%	80 €	3
waived 100%	0 €	6
Student		
waived 33%	114 €	6
waived 40%	102 €	1
waived 45%	94 €	13
waived 50%	85 €	12
waived 75%	43 €	8
waived 100%	0 €	6

2.4 Special Journal Issues

The following special journal issues were announced before or during the conference:

- Journal Optimization - Special Issue on Discrete-Continuous Control and Optimization Problems - Theory, Methods, and Applications. Guest Editors: Armin Fügenschuh, Gerhard-Wilhelm Weber.
- Central European Journal of Operations Research - Special Issue on OR in the Financial Sector. Guest Editors: Gerhard-Wilhelm Weber and Erik Kropat.

A special issue of EJOR (European Journal on Operational Research) was announced at the end of the Conference, dedicated to the keynote lectures.

2.5 Social Events



Welcome reception

Lisbon «arraial» – Sunday, July 11, 7 pm.
Faculty of Sciences.

A typical Lisbon 'arraial' (popular party) was our choice to set up the atmosphere for EURO XXIV. A Barbecue with different types of meat, codfish, Portuguese wines and the popular 'Marchas' (parades), were the perfect ingredients for an entertaining evening, for seeing old friends and meeting new people.

Soccer fans could watch the World Cup Final on a big screen in the large amphitheatre of Building C3.

Boat trip

The EURO XXIV Organization, with the support of Transtejo, was very pleased to offer the participants and the registered accompanying persons a unique opportunity to go on a pleasant cruise along the estuary of River Tejo and experience magical moments, with an amazing view of the city and its monuments,.

The Boat Trip took place on a Transtejo vessel specially transformed for tourist and leisure time and it lasted around two hours.

Due to the large number of participants, there were three alternative opportunities for enjoying the boat trip:

- July 11 (11.30 am),
- July 12 (8:00 pm),
- July 14 (8:00 pm).



Musical show & banquet

Thursday, July 13, 7.30 pm

Pavilhão Atlântico – Parque das Nações

An exclusive performance by António Chainho with his very new show 'Lisgoa' took place at the beginning of the Conference Banquet. The participants at the dinner had a unique opportunity to listen to the beautiful sound of the Portuguese guitar accompanying the worldwide known Fado and the exquisite combination with the Indian music.

Ambient music was performed during dessert by Gonzaga Coutinho and his Group. Right after the speeches, the musical group played international music, nice for listening or dancing.

The Banquet was fully paid by the participants and sponsors.

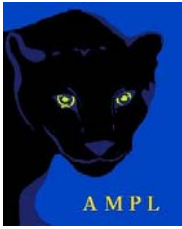
2.6 Exhibitions

Exhibitors were offered a full package with some optional items. 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) could be considered by the exhibitor on an optional basis.

A total of 11 exhibitors were present at the conference to display books and software. Opening hours for the exhibition were:

Sunday, July 11	16:00 – 20:00
Monday, July 9	09:00 – 18:00
Tuesday, July 10	09:00 – 18:00
Wednesday, July 11	09:00 – 17:00

Exhibitors – software firms:



[http:// www.ampl.com/](http://www.ampl.com/)



<http://www.aimms.com/>



<http://www.gams.com/>



<http://www.optirisk-systems.com/>



[http:// www.fico.com/xpress](http://www.fico.com/xpress)



[http:// www.ibm.com/software/websphere/products/optimization/](http://www.ibm.com/software/websphere/products/optimization/)



<http://www.maximalsoftware.com/>

Exhibitors – publishers:



[http:// www.springeronline.com](http://www.springeronline.com)



<http://www.elsevier.com/>



[http:// www.palgrave-journals.com](http://www.palgrave-journals.com)



<http://www.tandf.co.uk/>

3. FINANCIAL STRUCTURE

Most of the financial matters were managed by Viagens Abreu, SA. The company has collected the registration fees and was responsible for most of the financial flows.

The following tables contain all financial 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 €105,324.55 was attained by the organization of the EURO XXIV Conference in 2010 in Lisbon. That value comes from a total income of €807,375.59 covering expenses summing up to €702,051.04.

Table 1			
INCOME		EXPENSES	
1. Registration Fees	694.434.00	1. Printing	31.944.96
2. Accompanying Persons	16.500.00	2. Marketing	1.979.58
3. Dinner Tickets	58.170.00	3. Venue, Rooms, Equipment & Wireless	92.760.01
4. Sponsors	12.748.49	4. Administration, Secretary & Students	76.746.25
5. Exhibitors	20.442.70	5. Conference Committees	5.839.53
5. Other Incomes	5.080.40	6. Bags + Inserts	136.901.57
		7. Social events, Catering	270.709.39
		8. Invited speakers	22.864.09
		9. Insurances	5.832.97
		10. Bank & Account costs	15.603.58
		11. EURO Fee	40.869.10
		TOTAL	702.051.04
		PROFIT	105.324.55
TOTAL	807.375.59	TOTAL	807.375.59

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

Table 2 - Registration Fees				
description	fees	nb	€	EURO fee
Early registration fee for Regular Participants	320	1375	440.000.00 €	27.500.00 €
Late registration fee for Regular Participants	420	264	110.880.00 €	5.280.00 €
Reduced Registration Fee for Regular Participants		41	5.772.00 €	360.75 €
Early registration fee for Students	170	610	103.700.00 €	6.100.00 €
Late registration fee for Students	220	127	27.940.00 €	1.270.00 €
Reduced Registration Fee for Students		46	3.372.00 €	198.35 €
Early registration fee for Retired Persons	170	15	2.550.00 €	150.00 €
Late registration fee for Retired Persons	220	1	220.00 €	10.00 €
Free registration fee for Committee Members & Invited Participants	0	62	0.00 €	0.00 €
TOTAL		2541	694.434.00	40.869.10

Regular Participants corresponded to 66% of the total number of registered delegates, accounting for around 81% of the total registration fees. Complementary, Students (31%) provided 19% of the total fees. Reduced fees were offered to 87 participants in an amount equivalent to 49,13 fully waved fees. The total value of the reductions (€11.796) was almost totally (85%) covered by a special endowment by EOARD (€9.998,49).

Most part of the Sponsors directly supported part of the expenses made by the organization of the EURO XXIV, specifically, offering significant discounts for the services provided to the Conference (CARRIS, CARRISTUR, METRO, TAP, TRANSTEJO, FRULACT, JFC Films).

Direct financial support was given by two Portuguese railway operators (RAVE and REFER) and the EOARD (European Office of Aerospace Research Development).

4. SUMMARY AND CONCLUSIONS

The Conference main figures:

2541	Registered participants
148	Accompanying persons
143	Streams
704	Sessions
2351	Presentations included in the abstract book
807 m.€	Total expected income
702 m.€	Total expense

The EURO XXIV conference was one of the most successful EURO-k conferences with respect to the number of participants, number of presented papers, financial success and good organisation.

Below, we summarize some of the most important factors that may have contributed to that success.

Promotion:

- Promotion at various OR conferences, well in advance, either by distributing bookmarkers and flyers with the Call for Papers, or simply by personal word-of-mouth; the promotional materials were also sent to universities, societies, working groups, etc;
- The Conference announcement was published in dozens of websites, and the Call for Papers was distributed by email to an extensive database of addresses, including many societies and working groups outside EURO;
- Finding a large number of researchers willing to organise invited streams, and therefore attracting more participants – this is a crucial factor: more than 60% of the papers submitted to EURO XXIV were within invited streams;
- Support for regular participants and students from weak currency countries – we have supported 88 participants and among them 45 students;
- Online information and interaction: good and regularly updated web pages, with all the necessary information, and relatively fast answering to queries by email.

Location and venue:

- The host city, Lisbon, is very attractive for tourism;
- The conference venue, FCUL, is easily reachable by public transportation from most hotels in Lisbon;
- All the conference buildings and support facilities were within a short walking distance of one another;
- Instead of just one, there were two exhibition zones, located near the two main walkthrough areas;
- Enough space, indoors and outdoors, was provided with facilities for sitting down, for working or for 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 student volunteers, helpful and responsible, were involved, with one or more students providing support to 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 coffee breaks;
- Ticket for public transportation during the conference days;
- Name tags clearly readable both sides;
- Excellent knapsack, with a unique and carefully thought design.

Committees:

- The Program Committee was composed by very active and prominent members of the OR community who exerted tremendous effort in crafting a very stimulating conference program;
- The Chair of the Program Committee, Silvano Martello, gave a lot of his own for guaranteeing an excellent group of keynote speakers and keeping control over a real tide of email messages concerning many different aspects;
- The Organizing Committee was composed by a strongly dedicated local team being able to put many disparate pieces together into a well-integrated conference.

Lisbon, 16th December 2011

