

# EURO Bulletin

Bulletin of the Association of European Operational Research Societies (EURO) distributed quarterly through the National Societies. Societies or individual members having news for the EURO Bulletin are requested to send their information to the editor: Ph. Van Asbroeck, 108 av. Sleenckx, B-1030 Brussels, Belgium (tel. & fax.: + 32 2 245 60 69).

from the editor of the EURO Bulletin

## EURO Bulletin is on Internet

**A** A new scale has been reached with the use of electronic mail and network information tools on Internet.

A revised EURO Brochure, the special Spring'94 issue on EWGs & Networks (EURO Bulletin Vol.3 N°1), the Summer'94 issue (Vol.3 N°2) and the present Fall issue are on-line on the EURO World Wide Web server accessible through

the server of the Free University of Brussels, URL = "<http://www.ulb.ac.be/>"

Furthermore the EURO publications are in the process to be available on the anonymous ftp server "[ftp.ulb.ac.be](ftp://ftp.ulb.ac.be/)" in directory `"/pub/projects/euro"`.

If you have any information, questions or remarks they will be welcomed at E-mail: [EURO@ULB.AC.BE](mailto:EURO@ULB.AC.BE).

National Societies or Individual members having news for the EURO Bulletin are requested to send their information to the editor: Ph. Van Asbroeck, 108 av. Sleenckx, B-1030 Brussels, Belgium (tel. & fax: 32 2 245 60 69). All recipients are free to copy the contents of the EURO Bulletin without charge and without requesting specific permission.

### DEADLINE REMINDER

EURO Gold Medal Nominations: Nov. 1, 94

EURO XIV Abstracts Submission.: Nov. 15, 94

EURO Prize Best Applied Paper: Nov. 15, 94

EJOR «EURO's 20th Anniversary»: Nov. 15, 94

ESI XII Application to Nat. OR Soc.: Jan. 31, 95

from our President Maurice Shutler

## Report of the EURO Council Meeting

The EURO Council met at EURO XIII/OR 36 at the beginning of July. It had before it a formidable agenda which began with the admission of new member societies - The Czech and Slovak Societies separately, Bulgaria and Croatia.

### Publications

Philippe Van Asbroeck reported on the continuing success of the EURO Bulletin which henceforth will contain more standing information such as the deadlines for nominations for the Gold Medal (end October 1994), for ESIs etc. The Bulletin and the EURO Brochure are now available on Internet.

EJOR increases in popularity with authors, so much so that the issues continue to grow and the hard efforts of the editors have continued to generate even more funds for EURO. Indeed EURO could not survive without this source of income. But member

societies and individual members thereof must play their part too. EJOR needs more referees and I appeal therefore to all of you who have had or hope to have papers published to offer your services to the Editors. The task is not onerous and it is a vital one if the Journal's high standards are to be maintained. Furthermore new papers are required for publication from 1996 onwards. EURO has an obligation to help the editors fill their pages and it can only do this through the members. There is a steady programme of publication by EURO Working Groups and ESIs and Costas Pappis is preparing a special issue for the 20th Anniversary of EURO in 1994, but I do say to individuals that there is now plenty of time to prepare that new paper that you have in mind and to send it to EJOR which is our own European OR learned publication and a leader among international publications too.

### Permanent Secretariat

Council was well pleased with the smooth running of EURO's office under Philippe Van Asbroeck and approved a contract with The Free University of Brussels for a further year. It was also grateful for the support of Philippe Vincke, the Vice-rector.

## EURO Council Meeting

**EURO-K Conferences**

EURO's K conferences continue to be the main forum for interchange of ideas, meeting old friends and making new ones. Council noted that although the UK OR Society's generous joining of EURO XIII with its 36th annual conference was expected to stimulate numbers, finally they exceeded all expectations. Over 600 papers in 34 parallel sessions produced over 850 attendees - a record. Everyone to whom I spoke at the conference said that it was a great success. Everyone who has written to me since has said the same. I would like publicly to congratulate Valerie Belton and Denis Bouyssou and their two committees and to thank them for their hard work.

Meanwhile Zilla Sinuany-Stern and Roman Slowinski continue their early preparations for EURO XIV in Jerusalem in 1995. In recognition of the high costs associated with the venue, Council voted a special grant of CHF 20,000 to be used partly to reduce the general conference fee and partly to meet the conference fees in whole or in part of those coming from the least affluent countries. As usual the decision is left to the conference chairman. 1996 will be the year of the first 'Up' conference hosted by the UK

## ORS.

It is planned that EURO XV (1997) would be held in Barcelona at the invitation of the Spanish society and be a joint conference with INFORMS. This is subject to a final agreement being reached on a protocol. A very workmanlike meeting was held between EURO, TIMS (now INFORMS) and the Spanish OR society and an agreement worked out which has been approved in principle by the Councils of TIMS and ORSA. Copies have been mailed to EURO member societies for their reactions.

EURO XVI (1998) will be held in Belgium at the invitation of the Belgian OR Society. The second 'Up' conference year will be 1999. Bids from member societies should go to Tuula Kinnunen by 30th November 1995. EURO XVIII is now renamed EURO 2000 for obvious reasons. Member societies are invited to make preliminary bids to host this centennial event by 30th April 1995.

**European Summer Institutes**

Catherine Roucairol reported on the success of the 1994 ESI on Combinatorial Optimization, hosted by France. 19 nationalities took part. The next two in the series are UK (18-29

#### Report of the EURO Council Meeting

April 1995) on Maintenance and Greece (July 1996) on the Environment.

**1996 should similarly be made by 30th November 1995.**

#### Education

Costas Pappis was congratulated on his success in being the first EURO officer to obtain a grant from the EU - for publishing a handbook on European OR courses. Council voted a matching grant of 10,000 ecus.

#### New Instrument - General Support

Council voted the sum of CHF 5,000 annually for meeting requests by organisers of EURO and organisers of EURO-sponsored events such as ESIs. The money is intended for travelling expenses of eminent speakers going from one country to another or for registration fees or travelling expenses for people from Central and Eastern Europe coming to meetings in Western Europe, especially students.

Requests for support under this instrument for the second half of the calendar year 1995 should be made to Denis Bouyssou by 30th April 1995. Final decisions will be made by the Executive Committee in July 1995. Requests for the calendar year

#### Accounts

The accounts for 1995 were approved by Council, as was the budget for 1995, amended to take account of the new grants voted at the meeting.

#### Elections

Finally I am pleased to report the election of Denis Bouyssou as Secretary from 1st January 1995, Marino Widmer as Treasurer and Rainer Burkard as EURO Vice-president of IFORS. They will succeed Catherine Roucairol, Jean Bovet and Jakob Krarup respectively. To them I offer my thanks for their stalwart efforts during their terms of office. I hope to see as many readers of the Bulletin as possible in Jerusalem next year where your new President will be Paolo Toth. To him I offer my best wishes and my continuing support.

Maurice Shutler

from the EJOR Editors

# EJOR

EJOR is now accepted as being of the very highest quality. On every ranking of comparable journals, only Management Science and Operations Research are rated more highly.

Moves to increase the quality even further are constantly being made. For example, the newly introduced Referee's Report form explicitly asks whether the paper advances knowledge significantly and those considered to be only minor developments will be rejected.

The number of pages will increase to 5,320 in 1995 from 4,400 in 1994, with the specific objective of reducing the backlog of accepted papers at the end of 1995 to no more than nine months. The Editors regret this increase but the Publisher declined to provide free issues to subscribers as a means of reducing the backlog. Obviously a consequence is that in 1995, more papers will be published than the Editors intend to accept. Ultimately, this should lead to a reduction in the size of EJOR, which the Publisher would also not like, unless the number of

high quality papers increases. Certainly, the Editors are strongly opposed to any further increases in the size of EJOR!

As a consequence of the increased number of pages, in 1995 EURO will receive 191 thousand Swiss francs from EJOR, which is 78% of EURO's budgeted income and represents a payment of CHF19.35 for every member of the societies belonging to EURO.

One of the reasons for the large backlog is the surge in papers from North America, where papers in EJOR are now widely accepted from promotion to tenured full professorships. Thus a breakdown of the authorships of the two most recently published volumes, 74 and 75, reveals the following geographical percentage breakdown: North America 48, Europe 40, Far East 6, Others 6.

A breakdown of the European authorship for those particular issues reveals that the principal European contributors were the Netherlands, Germany, Sweden, Finland, the United Kingdom, Italy and France. Papers from 26 countries were included, indicating the truly international character of EJOR. The breakdown in authorship is also mirrored by the countries from which the referees are drawn.

A. Mercer, B. Tilanus, H. J. Zimmermann

EURO XIV

## EURO XIV 14th European Conference on Operational Research "OR: TOWARDS INTELLIGENT DECISION SUPPORT" Jerusalem, Israel, July 3-6, 1995

**T**he EURO XIV Conference will be hosted by the Operations Research Society of Israel (ORSIS). The Conference will be held at the Hebrew University, Givat Ram Campus in West Jerusalem. 1995 will be the 20th Anniversary of the foundation of EURO. The Conference will mark it by some special events

The EURO XIV Conference will make a point of new methodological developments in OR and their applications in ever expanding professional and scientific areas. The list of topics includes many new items emphasizing the trend of OR towards Intelligent Decision Support. Artificial Intelligence, Computer Science, Decision and Information Sciences, and New Technologies are contributing to this trend. A continuing aim of EURO is to bridge, using various instruments, the well-known gap between theory and practice of OR. At EURO XIV, a new instrument will be introduced to this

aim: a prize for the paper which describes the best practical application. While the EURO Gold Medal will traditionally be conferred at the opening plenary session, the prize for the best applied paper will be awarded at the closing plenary session. All members of the international OR community are cordially invited and encouraged to present papers describing their current research and applications. Do not miss the chance of speaking, listening and meeting or making friends at EURO XIV in Jerusalem.

### Program Committee

Roman Slowinski (chair, Poland), Achim Bachem (Germany), Denis Bouyssou (France), Benedetto Matarazzo (Italy), Zilla Sinuany-Stern (Israel), Yannis Siskos (Greece), Luk van Wassenhove (France), Israel Zang (Israel).

## EURO XIV

**Organizing Committee**

Zilla Sinuany-Stern (chair), Valerie Belton, Costas Pappis, Moshe Kress, Ury Passy, Adir Pridor, Nili Schnapp, Roman Slowinski, Yaakov Zahavi, Dror Zukerman.

**Call for Papers**

Authors who wish to present a paper should mail one typed copy of their abstract (in English) to the Conference Secretariat no later than November 15, 1994. Please include CHF 75 submission fee payable to the Secretariat c/o ORTRA Ltd (will be deducted from the registration fee).

Abstracts should be written in English, typed single-space in an area of 15 x 23 cm (6 x 9 inch) on a single A4 or quarto size page. The title should be typed in CAPITAL LETTERS, leave 1 line space and then type authors' names and addresses (underline the name of the presenting author), do not underline addresses, leave a 2 line space and continue with text, example:

14TH EUROPEAN CONFERENCE  
ON OPERATIONAL RESEARCH  
A. Brown and P. Smith. Dept. of  
Operational Research, European  
Univ., Europe.

Begin text.....

Please mail the original and three photocopies of your abstract to the Secretariat of the Conference. Do not fold the abstracts or photocopies. Send the material in padded envelope and write "do not fold" on the envelope.

**Deadline for submission: November 15, 1994.**

**Venue**

The Hebrew University of  
Jerusalem - Givat Ram Campus

**Tourist Services**

Full details on travel, accommodation, touring etc, will be given in the invitation which will be published in the Second Announcement. These services will be provided by Ortra Ltd., the appointed Conference Organizer, and its representatives abroad. For preliminary information about these services please write or fax to Ortra Ltd.

**EURO XIV Secretariat, c/o Ortra Ltd., 2 Kaufman St. (Textile Center), P.O.B. 50432, Tel Aviv, 61500, Israel (tel.: 972 3 664825, fax: 972 3 660952, Email: euro@bgumail.Bgu.ac.il**

from Luk van Wassenhove Chairman of the Jury

## EURO PRIZE for the BEST APPLIED PAPER

EURO is pleased to announce the EURO Prize for Best Applied Paper to be awarded in conjunction with its EURO-k Conferences. The first prize will be presented at the EURO-XIV Conference in Jerusalem. The purposes of the competition are to recognize outstanding accomplishments in the practice of Operational Research and to encourage the presentation of good applied Operational Research work at EURO conferences.

The EURO Prize for the Best Applied Paper will be given to the best paper describing a practical application of Operational Research. The author(s) of the prize winning paper shall receive a certificate. The prize will also consist of three years free subscription to EJOR or exemption of the registration of three EURO-k Conferences. The two runner-up papers will receive a prize consisting of a one year free subscription to EJOR or an exemption of the registration fee of one EURO-k Conference.

Authors are invited to submit papers describing an application of Operational Research which has original feature, whether in methodology, application or implementation. The papers should be publishable in the scientific literature (in particular EJOR), should be presented at the Conference and should not be submitted concurrently to another competition. It is not excluded that (part of) the work has already been published or submitted for publication (e.g. to the special 20th anniversary issue of EJOR).

Papers should be no longer than 25 pages double-spaced and should reach the conference secretariat by November 15, 1994. Preliminary registration and abstract form should be submitted as well. Authors are requested to submit 5 copies of their paper together with a letter describing the application, its impact and other relevant information. The authors should also indicate the names of individuals who can be contacted for further information (e.g. com-



## EURO Prize

pany officers of the client organization).

A jury will carefully review the papers and select three finalists. The three finalists will be notified in due time before the conference. They will be invited to present their paper in a special award session. It is understood that the presentation will be taken into account in selecting the winning paper. After the presentations, the jury will begin its deliberations. The prize will be presented at the closing session of the conference.

The finalists agree to submit a suitably edited version of their paper for potential publication in EJOR upon request. Other authors may also be invited to submit their work for publication in EJOR. All papers will be refereed.

**For further questions on the prize, please contact the chair of the jury: Luk Van Wassenhove, Professor of Operations Management and Operations Research, Coordinator of the Technology Management Area, INSEAD, Boulevard de Constance, F-77305 Fontainebleau cedex, France (tel.: +33 1 60 724295, fax: +33 1 60 724242, Bitnet: wassenhove@insead.fr. Further information on the prize can also be obtained by e-mail from EUROPRIZE@INSEAD.FR**

## 1995 EURO GOLD MEDAL

**E**URO Council have decided to extend the period of nominations for the 1995 EURO Gold Medal until 1st November, 1994. Nominations should be sent to:

**Graham K. Rand, Chairman, EURO Gold Medal Jury, Dept. of Management Science, The Management School, Lancaster University, Lancaster LA1 4YX, United Kingdom.**

The members of the jury who met at the conference in Glasgow would appreciate the nominations containing the following, if possible:

- 1 A statement of the reasons why the nominee is deemed to be worthy to receive the EURO Gold Medal.
- 2 A list of publications, perhaps indicating the most important.
- 3 A C.V., perhaps summarized, but indicating the significant contributions to the OR community in particular, and the wider intellectual community in general.

**Graham K. Rand**

Organised in co-operation with SEIO (Spanish Statistical and Operational Research Society) and the University of La Laguna (Tenerife, Spain).

ESI XII on Locational Analysis, Puerto de la Cruz, Tenerife, Spain

## 12th EURO Summer Institute - ESI XII on Locational Analysis June 17-30, 1995

scientific activities of the event will be in the same Aparthotel where the participants will be accommodated. There are a lot of entertainment facilities. Free full accommodation and registration will be provided for selected participants.

### ADMITTANCE

Limited to 20 promising young scientists (age up to 35) from different European Countries.

### ACTIVITIES

Each participant will present a "research paper" on a topic within the theme. In addition to these activities, the Scientific Committee will also organize "lectures by invited experts". A "special issue of EJOR" (European Journal of Operations Research) will be prepared based on papers presented at the Institute. To facilitate Network building among participants, the Organizing Committee will prepare a rich and varied "social program".

### LOCATION ACCOMMODATION

Puerto de La Cruz is a Tourist town at the north coast of the Canary island of Tenerife. All the

### APPLICATIONS

Applicants should submit their curriculum vitae together with an unpublished paper within the theme of the Institute to their national OR society before January 31st, 1995. These societies will select their national candidates and submit the applications to the organizers of ESI XII before March 15th, 1995. The final choice will be made by the Scientific Committee, and the selected candidates notified by April 15th, 1995.

### INFORMATION

Available from national OR societies or from Organizing Committee.

### SCIENTIFIC COMMITTEE

**Chairman:** Paolo Toth, Università Degli Studi di Bologna.

## ESI XII

**Members:** Laureano Escudero, Universidad Complutense de Madrid, Martine Labbé, Université Libre de Bruxelles, Juan A. Mesa, Universidad de Sevilla, Blas Pelegrin, Universidad de Murcia, Frank Plastria, Vrije Universiteit Brussels, Justo Puerto, Universidad de Sevilla.

**Coordinators:** Jaime Barceló, Universidad Politecnica de Barcelona, José A. Moreno, Universidad de La Laguna.

**ORGANIZING COMMITTEE**

Jaime Barceló Bugeda (Chairman), Universidad Politecnica, Barcelona, Natividad Jimenez Saavedra, Universidad de La Laguna, José A. Moreno Pérez (Local Organiser), Universidad de La Laguna, Jesus T. Pastor Ciurana, Universidad de Alicante.

**ADDRESS**

José A. Moreno Pérez, Departamento de Estadística, Inv. Oper. y Computación. Facultad de Matemáticas. Universidad de La Laguna. E-38271 La Laguna. Spain. (tel: +34 22 603777, fax: +34 22 630040, E-mail: ESI95@ULL.ES).

**T** The Workshop on Group Decision and Negotiation Support started in 1992 as an initiative of European researchers of different disciplines that wished to exchange experiences and were looking for an European identity within the mainly North-American-dominated field of Group Decision and Negotiation Support Systems. In practice, namely it became obvious that differences in organisation culture induced different scientific approaches to address the problem of supporting group decision making and negotiation. The initiative of some European research centres (INSEAD, Fontainebleau-France; University of Strathclyde, Glasgow-U.K. and Free Universities Brussels, Belgium) evolved in 2 years to a respectable working group with about 50 members in 10 European countries. The workshop was until now organised twice a year and took place at the Free University of Brussels (November '92), the Norwegian School of Management-Sandvika (May '93), Strathclyde Graduate Business School (November '93). The latest meeting was organised during the EURO XIII/OR 36 conference in Glasgow (July '94) and here was decided to apply to become an official 'EURO-GDSS-Working Group'. The next meeting will be in Tilburg University (The Netherlands) starting thursday afternoon April 20th and finishing on friday April 21th. A social programme is provided for Saturday. If you are interested to join us please contact Martin Smits (e-mail: MSMITS@KUB.NL, School of Economics, Tilburg University P O BOX 90153, Tilburg NL5000LE, The Netherlands)

## A new EURO Working Group on GDSS

from our Vice-President Costas Pappis

## A Special Issue of The European Journal of Operational Research to celebrate EURO's 20th Anniversary

**N**ext year EURO celebrates its 20th Anniversary. Several events have been planned for this occasion, including a special issue of the European Journal of Operational Research to appear during 1995. I shall act as Guest Editor of the issue.

The title of this issue will be "OR in Europe - Special Issue to Celebrate the 20th Anniversary of Europe". It has been decided that the bulk of the papers of the issue shall be papers about practical OR applications developed in Europe, possibly involving more than one European country. The main idea for this issue is to contribute to establishing the actual relationship of OR with the realities of economy and society in our countries in Europe. Effort will be made for the issue to be representative of all Europe by including papers from as many European countries as possible. A number of papers referring to developments in OR theory will also be accepted and be included in the issue, provided

that they reflect work done exclusively in Europe and, if possible marked with a distinct European character. All papers will be reviewed the normal EJOR way.

I would like to invite all researchers who have been involved in major projects (possibly with a European dimension), in which OR has been successfully implemented, or have produced distinct results in OR theory along the above lines and who might be willing to contribute to the special issue, to send their papers to the following address, following EJOR instructions to authors:

ASSOCIATE PROFESSOR  
COSTAS PAPPIS, UNIVERSITY  
OF PIRAEUS, DEPARTMENT OF  
INDUSTRIAL MANAGEMENT, 80,  
KARAOLI & DIMITRIOU STR.,  
18534 PIRAEUS, GREECE

The deadline for submitting papers is 15 November, 1994.

Costas Pappis

## EVENTS

Present section was closed on 21 September 1994. «\*» denotes information featured previously.

October 16-19, 1994

\*1st International Congress on Confronting Disasters in Local Authorities, Tel Aviv Yafo, Israël.

Information: A. Rabinovitch, 3 Hefman Street, P.O. Box 20040, Tel Aviv Yafo, 61200 Israël (fax: 972 3 6967447).

October 18-20, 1994

\*Document Analysis Systems, Kaiserslautern, Germany.  
Information: Andreas Dengel, German Centre for Artificial Intelligence (DFKI), P.O. Box 2080, D-6750 Kaiserslautern, Germany (E-mail: das94@dfki.uni-kl.de).

October 19, 1994

Seminar on Modelling in the PC Environment, Birmingham, UK.  
Information: ORS, Seymour House, 12 Edward Street, Birmingham B1 2RX (tel.: +121 233 9300, fax: +121 233 0321).

October 19-21, 1994

\*CON'94 Connectivity 1994: Workflow Management Challenges, Paradigms and Products, Hagenberg (Linz), Austria.  
Information: Prof. Gerhard Chroust, Kepler University Linz, A-4040 Linz, Austria (tel.: +43 732 2468 -865, fax: -878, Email: chroust@sea.uni.linz.ac.at).

October 23-26, 1994

\*ORSA/TIMS Joint National Conference, Emphasis: Building bridges between OR/MS theoreticians, practitioners and managers, Theme: Global Manufacturing in the 21st Century, Detroit, Michigan, USA.  
Information: K. R. Chelst, Industrial and Manufacturing Engrng., Engineering Building, Wayne State University, Detroit, MI 48202, USA (tel.: (313) 577-3857, fax: (313) 577-8833, E-mail: chelst@mie.eng.wayne.edu)

October 31-November 4, 1994

27th Symposium on Advanced Transportation Applications (ISATA), Aachen, Germany.  
Information: ISATA Secretariat, 42 Lloyd Park Avenue, Croydon, CRO 5SB, UK (tel.: (081) 681 3069, fax: (081) 686 1490).

November 1994

\*1st Congress of the International Fuzzy Management and Economics Society, Reus, Spain.

Information: SIGEF, Facultat de Ciències Econòmiques i Empresariales, Universitat Rovira i Virgili, Passeig Misericòrdia, s/n E-43205 Reus (Tarragona), Spain (tel.: 977 32 33 43, fax: 977 31 98 20).

November 8-9, 1994

Seminar on Quantitative & Computational Finance, London, UK.

Information: UNICOM Seminars, Brunel Science Park, Cleveland Rd., Uxbridge, Middlesex UB8 3PH, UK (tel.: +895 256 484, fax: +895 813 095).

November 9-11, 1994

\*IDIM'94 2nd Interdisciplinary Information Management Talks 1994, Kubova Hut, Czech Republic.

Information: Prof. Gerhard Chroust, Kepler University Linz, A-4040 Linz, Austria (tel.: +43 732 2468 -865, fax: -878, Email: chroust@sea.uni.linz.ac.at).

November 10, 1994

Workshop on Applications of Novel/Newly Emerging Techniques to Financial Systems, London, UK.

Information: UNICOM Seminars, Brunel Science Park, Cleveland Rd., Uxbridge, Middlesex UB8 3PH, UK (tel.: +895 256 484, fax: +895 813 095).

November 14-16, 1994

GLIM4 - advanced training course, Leuven, Belgium.

Information: Prof. Emmanuel Lesaffre, Biostatistical Centre for Clinical Trials, Kapucijnenvoer 35, B-3000 Leuven, Belgium (tel.: +16 336 892, fax: +16 336 900, email: keica02@cc2.kuleuven.ac.be).

November 16, 1994

Annual Meeting on data verzameling en kwaliteit van survey-data, Utrecht, The Netherlands.

Information: Dr. A.Z. Israëls, Volkerakstraat 57/c, NL-1078 XP Amsterdam, The Netherlands (tel.: +20 675 09 32).

November 14-18, 1994

Seminar on Object Orientation, London, UK.  
Information: UNICOM Seminars, Brunel Science Park, Cleveland Rd., Uxbridge, Middlesex UB8 3PH, UK (tel.: +895 256 484, fax: +895 813 095).

November 15-16, 1994

Seminar on Evolutionary Prototyping and Participative Systems Design, London, UK.  
Information: UNICOM Seminars, Brunel Science Park, Cleveland Rd., Uxbridge, Middlesex UB8 3PH, UK (tel.: +895 256 484, fax: +895 813 095).

November 16, 1994

Seminar on Consultancy Skills Plus, Birmingham, UK.

Information: ORS, Seymour House, 12 Edward Street, Birmingham B1 2RX (tel.: +121 233 9300, fax: +121 233 0321).

November 16-18, 1994

1st International Congress of Management and Economy Fuzzy, Reus, Spain.

Information: Faculty of Economy and Management Sciences, University Rovira i Virgili, Passeig Misericòrdia s/n, E-43205, Spain (tel.: +323 343, fax: +319 820).

November 24-26, 1994

\*16th Meeting of the EWG on Financial Modelling, Pécs, Hungary.

Information: 16th Meeting on Financial Modelling, Prof. Sándor Komlósi, Faculty of Economics, Janus Pannonius University, H-7621 Pécs, Rákóczi út 80, Hungary (fax: +36 72 433 129, E-mail: komlosi@ktp.jpte.hu)

November 28-30, 1994

Seminar on Statistical Modelling in GLIM4, Utrecht, The Netherlands.

Information: Dr. Jansen, Vakgroep Methodenleer/ICS, Universiteit Utrecht, The Netherlands (tel.: +30 531 964/2101, email: jansen@fsw.ruu.nl).

December 1994

\*International Conference on Statistics and Quality of Life, a Third World Perspective, Luxor, Egypt.

Information: P.K. Sen, Dept. of Biostatistics, University of North Carolina, Chaptel Hill, NC 27599, USA.

December 1994

\*2nd International Meeting on Systems Thinking, Innovation, Quality and Entrepreneurship, Maribor, Slovenia.

Information: M. Rebernik, EPF, Univerza di Mariboru, 62000 Maribor, Slovenia (tel.: +62 28 261, fax: +62 27 056).

December 1-2, 1994

Course on Modelling Uncertainty, Cambridge, UK.

Information: University of Cambridge Programme for Industry, 1 Trumpington Street, Cambridge, CB2 1QA, UK (tel.: +223 302 233, fax: +223 301 122).

December 12-14, 1994

\*European Workshop on Integrated Manufacturing Systems Engineering, Grenoble, France.

Information: Mrs. M. Joyaux (IMSE'94 Secretariat), GSIP/INPG, 46 avenue Félix Viallet, F-38031 Grenoble Cedex, France (tel.: +33 76 57 48 32, fax: +33 76 57

## EVENTS

47 93).

January 15-18, 1995

**3rd IFORS Special Conference on Digital Technologies/Multimedia: OR/MS in Strategy, Operations and Decision Support**, Santa Monica, California, USA.

Papers deadline: October 15, 1994.

Information: IFORS SPC 3 c/o Dean W. Pierskalla, Anderson Graduate School of Management, University of California, Los Angeles, 405 Hilgard Ave. Los Angeles, CA 90024, USA (+310 825 7982, fax: +310 206 2002, email: sps3@agsm.ucla.edu)

January 19-20, 1995

**\*ORBEL 9, ninth National Conference on Quantitative Methods for Decision Making**, Brussels, Belgium.

Abstracts deadline: October 1, 1994.

Information: Prof. Yves Crama, Faculté d'Economie, de Gestion et de Sciences Sociales, Université de Liège, 7 Bld. du Rectorat bât. B31, B-4000 Liège, Belgium (tel +41 563077, +41 562721, fax: +41 562821, E-mail: crama@vm1.ulg.ac.be).

January 25-27, 1995

**\*International Workshop on the Design of Cooperative Systems**, Antibes - Juan les Pins, France.

Information: Unité de recherche de Sophia Antipolis, Relations extérieures, Bureau des colloques, 2004, route des Lucioles, BP 93, F-06902 Sophia Antipolis Cedex, France (tel.: +33 93 65 78 64, fax: +33 93 65 79 55).

February 7-10, 1995

**\*FRACTAL'95 «Fractals in the Natural and Applied Sciences», 3rd International Working Conference**, Marseille, France.

Information: M.M. Novak, School of Physics, Kingston University, Surrey KT1 2EE, UK (fax: +44 81 5477562, E-mail: novak@kingston.ac.uk).

March 16-17 or 23-24, 1995

**\*41th EWG Meeting on Multicriteria Aid for Decisions**, Lausanne, Switzerland.

Information: Bernard Roy, LAMSADE, Université Paris-Dauphine, Place Maréchal De Lattre de Tassigny, F-75775 Paris Cedex 16, France (tel.: +33 1 44 05 42 88, fax: +33 1 44 05 40 91, e-mail: roy@lamsade.dauphine.fr).

March 20-24, 1995

**\*4th IEEE International Conference on Fuzzy Systems and 2nd International Fuzzy Engineering Symposium**, Yokohama, Japan.

Information: Miekko Hemmi (Ms), LIFE, Siber Hegner Building 4FL 89-1 Yamashita-cho,

Naka-ku, Yokohama, 231, Japan (tel.: +81 45 212 8268, fax: +81 45 212 8255).

March 22-24, 1995

**International Conference on Forecasting Financial Markets**, London, UK.

Papers deadline: October 15, 1994.

Information: Nigel Meade, The Management School, Imperial College, 52 Prince's Gate, Exhibition Road, London SW7 2PG, UK (tel.: +594 9116, fax: 823 7685).

April 1995

**Seminar on Probabilistic Reasoning and Computational Learning**, London, UK.

Information: UNICOM Seminars, Brunel Science Park, Cleveland Rd., Uxbridge, Middlesex UB8 3PH, UK (tel.: +895 256 484, fax: +895 813 095).

April 1-4, 1995

**\*International Conference on Survey Methodology and Process Quality**, Bristol, UK.

Information: L. Lyberg, R&D Dept., Statistics Sweden, S-11581 Stockholm, Sweden (fax: +46 8 7834288).

April 3-5, 1995

**Symposium on Applied Mathematical Programming and Modelling**, London, UK.

Abstracts deadline: January 14, 1995.

Information: Molly Demmar, Department of Mathematics and Statistics, Brunel University, Uxbridge, Middlesex UB8 3PH, UK (tel.: +895 274 000, fax: +895 203 303, email: molly.demmar@brunel.ac.uk).

April 4-7, 1995

**\*International Conference on Industrial Engineering and Production Management**, Marrakech, Morocco.

Information: Mrs. D. Raulier, FuCaM, Chaussée de Binche, 151, B-7000 Mons, Belgium, (tel.: +32 65 32 32 17, fax: +32 65 31 56 91).

April 18-29, 1995

**\* 11th EURO Summer Institute on Maintenance Replacement and Reliability Modelling**, UK.

Information: Prof. A. H. Christer, University of Salford, Salford M5 4 WT, UK (fax: +61 7 455 999).

April 19-21, 1995

**\*2nd International Conference on Mathematical Modelling**, Manchester, UK.

Information: Prof. A. H. Christer, University of Salford, Salford M5 4 WT, UK (fax: +61 7 455 999).

April 20-21, 1995

**1st Meeting of the EWG on Group Decision Support Systems**, Tilburg, The Netherlands.

Information: M. Smits, School of

Economics, Tilburg University, P.O. Box 90153, NL-5000 LE Tilburg, The Netherlands (email: msmits@kub.nl).

April 23-26, 1995

**TIMS/ORSA Joint National Meeting, MS/OR: Eye on the Pacific Rim**, Los Angeles, California, USA.

Abstracts deadline: October 7, 1994.

Information: Mary Magrogan, ORSA, 1314 Guilford Avenue, Baltimore, MD 21202 USA (tel.: (800) 887 ORSA, (410) 528 8581, fax: (410) 361 8044, email: meetings@jhuvms.bitnet)

May 8-10, 1995

**ECCO VIII Conference of the European Chapter on Combinatorial Optimisation**, Poznan, Poland.

Abstracts deadline: January 31, 1995.

Information: Prof. Jacek Blazewicz, Institute of Computing Science, Poznan University of Technology, ul. Piotrowo 3a, PL-60 965 Poznan, Poland (fax: (4861) 771 525, email: ecco@pozn1v.tup.edu.pl).

May 23-25, 1995

**Canadian Operational Research Society Annual Meeting**, Calgary, Alberta, Canada.

Abstracts deadline: December 31, 1994.

Information: Dr. Cornelius Van de Panne, Department of Economics, University of Calgary, Calgary, Alberta T2N 1N4, Canada (tel: (403) 220 5862, fax: (403) 282 5262, email: vandepan@acs.ucalgary.ca)

May 29-31, 1995

**2nd IFAC/IFIP/EurAgEng Workshop on Artificial Intelligence in Agriculture**, Wageningen, The Netherlands.

Abstracts deadline: November 1, 1994.

Information: Alexander Udink Ten Cate, Agricultural Research Department, DLO, P.O. Box 59, NL-6700 AB Wageningen, The Netherlands (tel.: +8370 74132, fax: +8370 24060, email: udink@dlo.agro.nl).

June 1-3, 1995

**3rd European Conference on Information Systems ECIS'95**, Athens, Greece.

Papers deadline: November 30, 1994

Information: Prof. Georgios Doukidis, ECIS'95 Programme Chair, Athens University of Economics and Business, 76 Patission Str., G-104 34 Athens, Greece (tel.: +30 1 823 3523, fax: +30 1 822 6105, +30 1 822 6204, email: gdouk@isosun.ariadne-t.gr).

June 4-8, 1995

**\*4th Meeting on Model Oriented Data Analysis MODA4**, Spetses, Greece.

Information: C.P. Kitsos, Athens University of Economics and Business, 76 Patission Street, Athens, Greece (fax: +30 1 8226204).

## EVENTS

June 7-9, 1995

**4th Twente Workshop on Graphs and Combinatorial Optimisation**, Enschede, The Netherlands.

Information: U. Faigle or C. Hoede, Department of Applied Mathematics, University of Twente, P.O. Box 217, NL-7500 AE Enschede, The Netherlands (email: faigle@math.utwente.nl, hoede@math.utwente.nl, hunting@math.utwente.nl).

June 11-14, 1995

**FRANCORO, Rencontres francophones de recherche opérationnelle**, Mons, Belgium. Abstracts deadline: January 15, 1995.

Information: FRANCORO, Facultés Polytechniques de Mons, 9 rue de Houdain, B-7000 Mons, Belgium (fax: +32 65 374 500, email: francoro@mathro.fpms.ac.be).

June 17-30, 1995

**12th EURO Summer School ESI XII on Locational Analysis**, Puerto de la Cruz, Tenerife, Spain.

Applicant submission deadline to national OR Society: January 31, 1995. Information: Dr. Jose A. Moreno Perez, D. Estadística, I.O. y C., Facultad de Matemáticas, Universidad de La Laguna, E-38271 La Laguna, Spain (tel.: +34 22 603 777, fax: +34 22 630 040, email: esi95@ull.es).

June 19-23, 1995

**12th international Conference on Multiple Criteria Decision Making**, Hagen, Germany. Abstracts deadline: January 1, 1995.

Information: Prof. Dr. Günter Fandel, FernUniversität Hagen, Faculty of Economics, AVZ II, D-58084 Hagen, Germany (tel.: +49 2331 9872625, fax: +49 2331 987313, email: mcdm95@fernuni-hagen.de).

June 27-30, 1995

**4th International Conference on Applications of Advanced Technologies in Transportation Engineering**, Capri, Italy. Abstracts deadline: October 30, 1994.

Information: Maurizio Bielli, Italian Project on Transportation, National Research Council, Viale Manzoni 30, I-00185 Roma, Italy (tel.: +39 6 7716462, fax: +39 6 7716461, email: bielli@iasi.rm.cnr.it).

July 3-6, 1995

**\*EURO XIV Conference '95**, Jerusalem, Israel.

Abstracts Deadline: November 15, 1994. Information: Prof. Zilla. Sinuany-Stern c/o

Ortra Ltd. P.O. Box 50432, Tel-Aviv 61500, Israel (tel.: +972 3 664825, fax: +972 3 660952, email: euro14@bgumail.bgu.ac.il).

July 5-7, 1995

**European Conference on Management of Technology**, Birmingham, UK.

Abstracts deadline: September 22, 1994. Information: Mrs Julie Ellen, Aston Business School Research Institute, Aston University, Birmingham B4 7ET, UK (tel.: +44 21 359 3611 ext 4599, fax: +44 21 333 5620).

July 10-14, 1995

**4th International Conference on Critical Issues in Systems Theory and Practice**, Hull, UK.

Abstracts deadline: August 12, 1994. Information: Keith Ellis, Director of Research, School of Computing and Information Systems, University of Humber, Cottinham Road, Hull HU6 7RT, UK (tel.: +482 440 550).

July 17-19, 1995

**Conference on Optimization '95**, Braga, Portugal.

Abstracts deadline: March 30, 1995. Information: Conference on Optimization '95, Departamento de Produção e Sistemas, Escola de Engenharia, Universidade do Minho, P-4700 Braga, Portugal (tel.: +351 53 604455, fax: +351 53 604456, email: copt95@ci.uminho.pt).

July 18-20, 1995

**1st Joint International Symposium London Business School - IFORS on Energy Models for Policy and Planning**, London, UK.

Abstracts deadline: as soon as possible. Information: Derek W. Bunn, London Business School, Sussex Place, Regents Park, London, NW1 4SA, UK (fax: (44) 71 724 7875, email: energy@lbs.lon.ac.uk).

July 23-29, 1995

**\*1st International Conference on Multiple Objective Decision Support Systems for Agricultural and Environmental Management: Concepts, Approaches, and Applications**, Honolulu, Hawaii, USA. Information: Int. Conference on MODSS for Agriculture and Environment, Department of Agronomy and Soil Science, College of Tropical Agriculture and Human Resources, 1910 East West Road, Honolulu, Hawaii, USA (fax: +1 808 956 6539).

August 6-10, 1995

**13th International Conference on Production Research**, Jerusalem, Israel. Information: 13th ICPR Conference Secretariat c/o International Travel & Congresses Ltd., P.O. Box 29313, 61202

Tel Aviv, Israel (tel.: (972) 3 510 538, fax: (972) 3 660 604), tlx.: 371767 INTVL IL).

August 15-17, 1995

**\*6th International Conference of the Chinese Special Interest Group on MCDM**, Beijing, PR China.

Information: Ku Chi-fa, Institute of Systems Science, Beijing, PR China (fax: +861 256 8364).

September 20-22, 1995

**AIRO'95 Annual Conference on Enterprise Systems: Management of Technological and Organizational Changes (Models, Methods, Tools)**, Ancona, Italy.

Abstracts deadline: April 30, 1995. Information: AIRO'95, Prof. Ferdinando Pezzella, Istituto di Informatica, Facoltà di Ingegneria, Università degli Studi di Ancona, Via Breccia Bianche, I-60131 Ancona, Italy (tel.: +71 220 4826, fax: +71 220 4474.).

October, 5-6 or 12-13, 1995

**\*42th EWG Meeting on Multicriteria Aid for Decisions**, Brussels, Belgium.

Information: Bernard Roy, LAMSADE, Université Paris-Dauphine, Place Maréchal De Lattre de Tassigny, F-75775 Paris Cedex 16, France (tel.: +33 1 44 05 42 88, fax: +33 1 44 05 40 91, e-mail: roy@lamsade.dauphine.fr).

October 10-13, 1995

**INRIA/IEEE Conference on Emerging Technologies and Factory Automation**, Paris, France.

Papers deadline: January 10, 1995. Information: INRIA Rocquencourt, Service des Relations Extérieures, Marie-Claude Sance, Bureau Cours / Colloques, Domaine de Voluceau, BP 105, F-78153 Le Chesnay Cedex, France (tel.: +33 (1) 39 63 56 75, fax: +33 (1) 39 63 56 38, email: symposia@inria.fr).

February 12-23, 1996

**9th International Working Seminar on Production Economics**, Innsbruck, Austria.

Abstracts deadline: November 1, 1995. Information: Janerik Lundquist, Department of Production Economics, Linköping Institute of Technology, S-581 83 Linköping, Sweden. (tel.: +46 1328 1505, fax: +46 1328 1873, email: rwg@ipe.liu.se).

July, 1996

**\*IFORS XIV**, Vancouver, Canada. Information: IFORS Secretariat, Ms. Helle R. Welling, c/o IMSOR, bldg. 321, Technical University of Denmark, DK-2800 Lyngby, Denmark (fax: +45 42 88 13 97).



## PROMOTING IN EUROPE THE INTERCHANGE OF PRACTICE IN OPERATIONAL RESEARCH MANAGEMENT SCIENCES AND SYSTEMS

### EURO - Members

**Austria:** ÖGOR, c/o Institut für Ökonometrie, OR und Systemtheorie, Techn. Universität Wien, Argentinierstrasse 8, A-1040 Wien (tel.: +43 1 58801/4428, fax: +43 1 505 4524);

**Belgium:** SOGESCI/BVWB, Renaissancelaan 30 Av. de la Renaissance, B-1040 Brussels, (tel. +32 2 737 6191, fax +32 2 733 6116);

**Bulgaria:** BORS, Institute of Informatics, Bulgarian Academy of Sciences, Acad. G. Bonchev Str. Bl. 29A, 1113 Sofia (tel.: +359 2 705 225, fax: +359 2 720 497, E-mail: iit@iinf.bg);

**Croatia:** CRORS, Ekonomski fakultet, Kennedyjev trg. 6, 41000 Zagreb (tel.: +385 41 231 111, fax: +385 41 235 633, E-mail: ksoric@oliver.efzg.hr);

**Czech Republic:** CSOV/CSOR, Department of Econometrics, University of Economics, Nám. W. Churchilla 4, CZ 130 67 Praha 3 (tel.: +422 24220173, fax: +422 24225942);

**Denmark:** DORS, c/o IMM, bldg. 321, Technical University of Denmark, DK-2800 Lyngby (tel.: +45 45 93 1222 ext. 3352, or +45 42 88 1433 ext. 3352, E-mail: al@imsor.dth.dk.);

**Egypt:** ORSE, c/o Nasser Wahba, Centre for Middle East Management Studies, The American University in Cairo, P.O. Box 2511, Cairo;

**Finland:** FORS, c/o Rauni Seppola, Helsinki School of Economics, Runeberginkatu 14-16, FIN-00100 Helsinki;

**France:** AFCET, 156 Blvd. Péreire, F-75017 Paris, (tel. +33 1 47 66 2419, fax: +33 1 42 67 9312);

**Germany:** DGOR, c/o Mrs. Bärbel Niedzwetzki, Am Steinknapp 14b, D-44795 Bochum, (tel. +49 234 462 246, fax +49 234 462 245);

**Greece:** HELORS, Solomou 20, 5th floor, att. Kath. Papanastassatou, 106 82 Athens, (tel.: +30 1 381 9892 or 380 7532, fax: +30 1 384 7578);

**Hungary:** HORS, MTA SZTAKI, Kende u. 13-17, H-1111 Budapest (tel.: +36 1 269 8266, fax: +36 1 269 8267);

**Iceland:** ICORS, University of Iceland, Faculty of Economics and Business Administration, IS-101 Reykjavik (tel.: +354 1

694570, fax: +354 1 26806);

**Ireland:** ORMSI, c/o Mr D. P. Darcy, Dept. of Mngt. Information Systems, Arts-Commerce Building, University College Dublin, Belfield, IRL-Dublin 4, (tel. +353 1 706 8349, fax +353 1 283 7260 or 1911);

**Israel:** ORSIS, c/o Faculty of Industrial Engineering and Management, Technion, Haifa 32000, (tel. +972 4 294 445, fax: +972 4 235 194);

**Italy:** AIRO, c/o Signora Agnese Martinoli - Bagnasco, Via Serretto 1/4, I-16131 Genova, (tel. +39 10 377 7703);

**Netherlands:** NSOR, c/o Dr. P. van Laarhoven, c/o McKinsey & Company, Amstel 344, NL-1017 AS Amsterdam, The Netherlands (tel.: +31 20 551 3652, fax: +31 20 551 3651);

**Norway:** NORRS, c/o Polyteknisk Forening, Rosenkrantzgt. 7, N-0157 Oslo 1, (tel.: +47 22 42 6870, fax: +47 22 42 5887);

**Poland:** Polish Cybernetical Society, Technical University of Poznan, Inst. Automatyki, Piotrowu 3A, PL-60-965 Poznan, (+48 61 790 790) or ASPORS, IBS Pan, Newelska 6, PL-01-447 Warszawa (+48 22 364 167, fax: +48 22 372 772);

**Portugal:** APDIO, Cesur-Instituto Superior Tecnico, Av. Rovisco Pais, P-1000 Lisboa, (tel.: +351 1 807 455, fax: +351 1 809 884);

**Slovak Republic:** SSOR, att. Ivan Brezina, Dept. of Operations Research and Econometrics, Odbojárov 10, 832 20 Bratislava (tel.: +42 7 605 61, fax: +42 7 677 50);

**South Africa:** ORSSA, P. O. Box 850, ZA-Groenkloof 0027 (tel.: +27 12 429 4564, fax: +27 12 429 3422, E-mail: olivii@risc6.unisa.ac.za);

**Spain:** SEIO, Hortaleza 104-2º Izqda, E-28004 Madrid (tel. & fax: +34 91 308 2474);

**Sweden:** SOAF/SORA, FOA, S-172 90 Sundbyberg (tel.: +46 8 706 3000, fax: +46 8 706 3866);

**Switzerland:** SVOR / ASRO, c/o Ms T. Häring, Grossmattstrasse 38, CH-4133 Pratteln (tel. +41 61 821 4145);

**Turkey:** ORST, Dept. of Industrial Eng., Middle East Technical University, TR-06531 Ankara (tel.: +90 4 210 1000 / 2266, fax: +90 4 286 8641, E-mail: orst@trmetu.bitnet);

**United Kingdom:** ORS, Seymour House, 12 Edward Street, Birmingham B1 2RX, (tel. +44 121 233 9300, fax: +44 121 233 0321);

**Yugoslavia:** ETAN, Mihajlo Pupin Institute, P.O. Box 15, Volgina 15, 11000 Beograd (+381 11 776 222, fax: +381 11 774 265).

### EURO - Officers

**President:** F. Shutler, Monopolies and Mergers Commission, New Court, 48 Carey Street, London WC2A 2JT, UK (tel. Office: +44 171 324 1315 Home: +44 181 668 2104, fax +44 171 324 1736, E-mail: shutler@lse.ac.uk);

**President Elect:** P. Toth, D.E.I.S., University of Bologna, Viale Risorgimento 2, I-40136 Bologna, Italy (tel. Off.: +39 51 6443028 Home: +39 51 431027, fax: +39 51 6443073, E-mail: paolo@boder1.cineca.it);

**Vice President:** Costas Pappis, University of Piraeus, Department of Industrial Management, 80 Karaoli & Dimitriou Street, GR-18534 Piraeus, Greece (tel.: Office: +30 1 42 22 060 Home: +30 1 94 22 052, fax: +30 1 41 79 064);

**Vice President:** Tuula Kinnunen, Turku School of Economics and Business Administration, Rehtorinpellonkatu 3, SF-20500 Turku, Finland (tel.: office: +358 21 6383 304 Home: +358 21 8696 76, fax: +358 21 6383 302, E-mail: tkinnunen@finabo.abo.fi);

**Secretary:** Catherine Roucaïrol, Université Paris 6 et INRIA, Domaine de Voluceau, B.P. 105, Rocquencourt, F-78153 Le Chesnay, France (tel.: Office: +33 1 39 63 59 31 Home: +33 1 42 80 30 08, fax +33 1 39 63 53 30, roucaïrol@seti.inria.fr);

**Treasurer:** Jean Bovet, M.A.D., Route d'Oron 100, CH-1000 Lausanne, Switzerland (tel. +41 21 784 36 35, fax +41 21 784 36 55);

**EURO Vice President of IFORS:** Jakob Krarup, DIKU Univ. of Copenhagen, Universitetsparken 1, DK-2100 Copenhagen O, Denmark (tel. +45 35 32 14 50, fax +45 35 32 14 01, krarup@diku.dk);

**Past Presidents:** H. Zimmermann, B. Rapp, R. Tomlinson, J. Brans, B. Roy, D. de Werra, J. Krarup, J. Spronk.