

EURO Bulletin

Bulletin of the Association of European Operational Research Societies (EURO)

from the Vice-President

The EURO Working Groups represent the only permanent form of scientific cooperation undertaken by EURO. As such, their activities are strongly encouraged by the Executive Committee that has traditionally delegated this responsibility to its Vice-President.

During my three years in office I have assumed this responsibility as my first priority. Different working groups have their own ways of cooperating but they all serve a common purpose - the exchange of ideas, experience and results. Most of them resemble clubs where friendship is an important factor for fruitful scientific cooperation.

This is the second yearly report of the activities of EWGs. Our newly created bulletin is the ideal means for the circulation of this type of information.

As a further push to support the working groups the EURO Council approved for the first time a special budget for some special activities. This year the Executive Committee is going to submit a general revision of the charter for EWGs. A major chance in which is the consideration of financial support as follows:

1.1) Administration

- Printing costs of common stationery;
- Printing of a special issue of the EURO Bulletin containing the yearly report of the activities of EWGs (to be distributed during the EURO conferences and directly to OR societies);
- Cost of a yearly meeting of EWGs coordinators, over lunch, during the EURO conferences;
- Administration costs entailed in the

establishment of new EWGs (first two years of activity) when alternative financing can not be found.

1.2) Scientific Activities

A "reserve budget" that EWGs could call upon should be created. This fund could be used to pay for expenses of guest speakers (non-members of the Working Group) to initiate and/or publish results of joint research projects, and similar activities. The money would be paid out by the Treasurer after approval by the Vice-President in charge of EWGs.

2) EURO encourages and supports activities that can further the scientific objectives of the EWGs, promote their activities and raise funds. Namely:

2.1) Mini-EURO conferences: the EWGs are encouraged to organize such conferences within the general rules established by EURO;

2.2) Special issues of EJOR: the EWGs are encouraged to produce special issues of EJOR after consultation and approval by EJOR editors. 50% of the royalties from those issues would be made available to support the scientific activities of the EWGs. The money would be kept in EURO custody and paid out by the Treasurer to cover specific expenses after approval by the Vice-President in charge of EWGs.

My warmest thanks to all the coordinators of EWGs who are doing a great job and who have so kindly kept me informed of their activities. I hope to meet you all again in Helsinki for our annual meeting on the 30th June at 12 o'clock.

Any member interested in the activities of a Working Group should contact the coordinator of that group.

Isabel Hall Themido

Special Issue

E U R O Working Groups

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EURO Bulletin is distributed four times a year through the National Societies. Members having information for the EURO Bulletin are requested to inform their National Societies. The National Societies are requested to send their information to the editor of the EURO Bulletin. Copy deadlines: last dates for editorial copy: 1 June 1992 for summer issue and 1 September 1992 for Fall issue.

Call for Candidatures

EURO asks to National Societies to propose candidatures for new EC officers: 2 Vice-Presidents, Treasurer and Secretary. Information needed: EC officers: a Curriculum Vitae (about 1/2 page); Deadline: May 15, 1992; Answer to: C. Roucairol, Secretary of EURO, (address below, tel.: (1) 39.63.57.50, fax: (1) 39.63.53.30, telex: 697 033 F, e-mail: roucairol@scti.inria.fr).

EURO-officers

President: Jaap Spronk, Erasmus University, P.O. Box 1738, 3000 DR Rotterdam, Netherlands;

Past-President: Jakob Krarup, DIKU Univ. of Copenhagen, Universitetsparken 1, DK-2100 Copenhagen O, Denmark;

President-elect: F. Shutler, Monopolies and Mergers Commission, New Court, 48 Carey Street, London WC2A 2JT, UK;

Vice-President: Isabel Hall Themido, Lisbon Technical University, CESUR, Av. Rovisco Pais, P-1000 Lisbon, Portugal;

Secretary: Catherine Roucairol, Université Paris 6 et INRIA, Domaine de Voluceau, B.P. 105, Rocquencourt, F-78153 Le Chesnay, France;

Treasurer: Jean Bovet, M.A.D., Route d'Oron 100, CH-1000 Lausanne, Switzerland;

Vice-President of IFORS: Jean-Pierre Brans, University of Brussels, CS00, Pleinlaan 2, B-1050 Brussels, Belgium;

EURO-members

Austria: Österreichische Gesellschaft für Operations Research (ÖGOR), c/o Institut für Ökonometrie, OR und Systemtheorie (Prof. G. Feichtinger), Technische Universität Wien, Argentinierstrasse 8, A-1040 Wien;

Belgium: Société Belge pour les Applications des Méthodes Scientifiques de Gestion / Belgische Vereniging voor Toepassing van Wetenschappelijke Methoden in het Bedrijfsbeheer (SOGESCI /

BVWB), Renaissancelaan 30 Av. de la Renaissance, B-1040 Brussels, (tel.: +2 735 5152, fax: +2 735 2421);

Czechoslovakia: CSORS, Czech and Slovak Operational Research Society, Department of Operations Research and Econometrics, The School of Economics, Odbojarov 10, CS-832 20 Bratislava;

Denmark: Danish Operations Research Society (DORS), c/o Spadille Congress Service, Sommervej 3, DK-3100 Hornbaek, (tel.: 02-202496);

Egypt: Operations Research Society of Egypt (ORSE), c/o Nasser Wahba, Centre for Middle East Management Studies, The American University in Cairo, P.O. Box 2511, Cairo;

Finland: Finnish Operation Research Society (FORS), P.O. Box 702, SF-00101 Helsinki 10;

France: Association Française pour la Cybernétique Economique et Technique (AF CET), 156 Boulevard Péreire, F-75017 Paris, (tel.: 01-47662419);

Germany: Deutsche Gesellschaft für Operations Research (DGOR), Am Steinknapp 14b, D-4630 Bochum 1, (tel.: +49 234 462246, fax: +49 234 462245);

Greece: Hellenic Operational Research Society (HELORS), Solomou 20, G-11682 Athens, (tel.: 01-3619892, 01-3607532);

Hungary: Committee of OR at the Hungarian Academy of Sciences, Kende u. 13-17, P.O. Box 63, H-1502 Budapest, (Associate Member);

Iceland: Icelandic Operations Research Society (ICORS), University of Iceland, Faculty of Economics and Business Administration, IS-101 Reykjavik;

Ireland: Operations Research and Management Society of Ireland (ORMSI), c/o Stokes Kennedy Crowley, 1 Stokes Place, St. Stephen's Green, Dublin 2 (tel.: 735566);

Israel: Operational Research Society of Israel (ORSIS), c/o Faculty of Industrial Engineering and Management, Technion,

Haifa, (tel.: 04-292239);

Italy: Associazione Italiana di Ricerca Operativa (AIRO), c/o Signora Agnese Martinoli - Bagnasco, Via Serretto 1/4, I-16131 Genova, (tel.: 010-314415);

Netherlands: Netherlands Society for Operations Research (NSOR), c/o R. Kuik, Erasmus Universiteit, P.O. Box 1738, NL-3000 DR Rotterdam, tel.: +31 10-4082019);

Norway: Norwegian Operations Research Society (NORS), c/o Polyteknisk Forening, Rosenkrantzgt. 7, N-0159 Oslo 1, (tel.: 02-330741);

Poland: Polish Cybernetical Society, Technical University of Poznan, Inst. Automatyki, Piotrowu 3A, PL-60-965 Poznan, or ASPORS, IBS Pan, Nowelska 6, PL-01-447 Warszawa;

Portugal: Associacao Portuguesa para o Desenvolvimento da Investigacao Operacional (APDIO), Cesur-Instituto Superior Tecnico, Av. Rovisco Pais, P-1000 Lisboa, (tel.: 807455 / 882992);

Spain: Sociedad de Estadística e Investigación Operativa, Hortaleza 104 - 2 izda, E-28004 Madrid;

Sweden: Swedish Operations Research Association (SORA), FOA, S-172 90 Sundbyberg;

Switzerland: Schweizerische Vereinigung für Operations Research / Association Suisse de Recherche Operationnelle (SVOR / ASRO), c/o Ms T. Häring, Grossmattstrasse 38, CH-4133 Pratteln (tel.: +41 61 821 4145);

Turkey: Operations Research Society of Turkey (ORST), Middle East Technical University, TR-06531 Ankara;

United Kingdom: Operational Research Society (ORS), Neville House, Waterloo Street, Birmingham B2 5tx, (tel.: 021-6430236);

Yugoslavia: Yugoslav Society for Electronics, Telecommunications, Automation and Nuclear Engineering (ETAN), Kneza Milosa 9, P.O. Box 356, Belgrade.

EWGs Activity Report

EURO Working Groups

Multicriteria Aid for Decisions

COORDINATOR: Prof. Dr. B. Roy, LAMSADE, Université de Paris Dauphine, Place du Maréchal de Lattre de Tassigny F-75775 PARIS CEDEX 16, FRANCE (tel.: (33) (1) 45 05 14 10, fax: (33) (1) 47 55 44 22).

PURPOSE AND HISTORY:

Multicriteria decision aid is an important branch of Operational Research. Since 1968, there has been a major development of methods, concepts and applications in many directions.

Beyond the exchanges and meetings which already exist by means of the international conferences and the publications in the scientific journals, the objectives of the working group are the following:

- to contribute to develop an original way of thinking, at a European level in the field of multicriteria aid for decisions;
- to allow each member of the group to present his research, submit those to the critical discussion of the group, to present open problems;
- to keep a continuity in the exchanges and the work from one meeting to another;
- to keep the climate of a working group and not to transform the meeting in a small congress.

The working group was created at EURO I (Brussels; 1975). Since that time, two meetings are held each year.

The Rules of the Group are available on request from the coordinator.

NUMBER OF MEMBERS: 200

NEWSLETTER: Editor: M. Prévôt, Université de Bourgogne, IME, 4 boulevard Gabriel, B.P. 138, F-21004 Dijon CEDEX, France.

ACTIVITIES 91:

- 33rd meeting: Prague (Czechoslovakia), March 14-15, 1991 (organizer: Dr. D. Gluckaufova, Czechoslovak Academy of Sciences, Institute of Economics, (Politických veznu, 1173 Prague 1, Czechoslovakia).
- 34th meeting: Marseille (France), October 3-4, 1991 (organizer: Prof. R. Cusin, GREQUE, Hospice Vieille Charité, 2 rue de la Charité, 13002 Marseille, (France).

FUTURE PLANNED ACTIVITIES:

- 35th meeting: Chania (Greece), March 26-27, 1992 (organizers: Prof. Y. Siskos and C. Zopounidis, Technical University of Crete, Department of Production Engineering and Management, Aghiou Markou Street, 73132 Chania, Crete, Greece);
- 36th meeting: Luxembourg (Luxembourg), October 8-9 or 15-16, 1992 (organizer: Mr. R. Bisdorff, Centre de Recherche Public, Centre Universitaire, 162a, avenue de la Faiencerie, 1511 Luxembourg, Luxembourg);
- 37th meeting: Liège (Belgium), March 11-12 or 18-19, 1993 (organizer: Dr. Ing. G. Colson, Université de Liège, FEGSS, Bâtiment B.31, Bte. 50, 4000 Liège, Belgium);

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Fuzzy Sets/IFSA European Chapter

COORDINATOR: Dr. M. Reinfrank,
SIEMENS AG, MUNICH, GERMANY (tel.:
(49) (89) 636 46527, fax: (49) (89)
636 44150).

PURPOSE AND HISTORY:

This working group was formed at the EURO I Congress in Brussels in 1975. The initiator and first chairman of the group was Prof. H. Zimmermann of RTWH / Aachen (FRG). The organization of the group, the forms its activities have taken, and the vitality and activity of the group are to a great extent due to his efforts.

The second chairman, Prof. Christer of Abo Academy (Finland) was acting since 1979 until 1986.

During the First IFSA (International Fuzzy Systems Association) Congress in Mallorca on July, 1-6, 1985, with due permission of the EURO Council the working group constituted itself as the European chapter of IFSA. Prof. Carlsson was elected as the first president of the European Chapter, with Prof. M. Roubens the president-elect, Prof. P. Smets treasurer, Prof. U. Hohle secretary and Dr. D. Dubois and A. Straszak members at large.

The purpose of the IFSA-EC is to communicate and to promote knowledge of the theory of Fuzzy Sets and related areas and their applications.

In order to realize the objectives the IFSA-EC publishes Newsletters and Bulletins, organizes workshops and

symposia, establishes sub-chapters and sponsors such other activities consistent with the objectives as may be directed by the Board.

NUMBER OF MEMBERS: 200 (EURO), 48 (IFSA).

NEWSLETTER: The French bulletin BUSEFAL is used as a forum for newsletters to the members, and members have been encouraged to submit working papers to BUSEFAL. The Group supports the Fuzzy Sets and Systems journal edited by North-Holland.

ACTIVITIES:

-IFSA-EC-EURO-WG Workshop on Applications of Fuzzy Control, Munich (Germany), February 13-14, 1992 (attended by more than 100 participants);

-Fourth Joint IFSA-EC-EURO-WG Workshop on Fuzzy Sets, Trento (Italy), 1992.

OR Applied to Health Services

COORDINATOR: Dr. D. Claydon, The United Leeds Teaching, Hospitals NHS Trust Information Services Directorate Trust Headquarters Leeds General Infirmary LEEDS LS1 3EX - U.K. (tel.: (44) (532) 31 66 44, fax: (44) (532) 31 66 53).

SECRETARY: Dr. M. Lubicz, Institute of Organisation and Management, Technical University Wroclaw, Wyrbrzeze

Wypianskiego 27, 50-370 Wroclaw,
POLAND (tel: (48) (71) 20 28 64).

PURPOSE AND HISTORY:

The decision to set up the Health Working Group was taken at EURO I, Brussels, January 1975, making this group one of the first WGs established by EURO.

The first meeting of the group took place in September 1975 in Exeter, U.K. and meetings have been taking place in different European countries every summer since then.

The aims of the group were restated at our 1991 meeting to be:

- 1- To improve co-operation and communication, and to encourage and support inspiration by group members;
- 2- To enable and support interdisciplinary work on european health care issues;
- 3- To examine european health care systems using rational and systematic methods;
- 4- To encourage bilateral contacts between members throughout each year.

The title of the group "Operational Research Applied to Health Services" reflects the premise that the major challenge for OR scientists currently working in the health fields lies not in developing new and/or more sophisticated techniques, but in using what expertise they currently possess to make more of an impact on the delivery of healthcare.

The idea is to provide a professional network, where the emphasis is on the exchange of professional knowledge as on establishing social rela-

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tions. To achieve this end, the size of the group is kept relatively small, continuity of the group is regarded as highly valuable and the social programme of the meetings plays an important part.

NUMBER OF MEMBERS: 60 (110 non-active)

NEWSLETTER: 2 issues per year, Editor : M.Lubicz (see address above).

ACTIVITIES 91:

- Seminar on Model Support for Managing Change in Health Care, Eindhoven (The Netherlands), 4-5 April, 1991;
- Seminar on Decision Support for Managing Change in Health Care, Stockholm (Sweden), 23-24 May, 1991;
- 17th meeting: Liseleje, Noth Sealand (Denmark) August 4-9, 1991.

FUTURE PLANNED ACTIVITIES:

- Conference on Systems Science: Prague (Czechoslovakia), June 23 - July 3, 1992;
- 18th meeting: Konstanz (Germany), July 26-31, 1992;
- 19th meeting: Brighton (UK), Summer, 1993;
- Management courses (no definite plans as yet).

EURO Banking
special interest group

COORDINATOR: Mr. K.A. Moss, Midland Bank plc, Head Office, Poultry, LONDON EC2P 2BX, U.K. (tel.: (44) (71) 260 73 53, fax: (44) (71) 260 70 78).

PURPOSE AND HISTORY:

The European Working Group on EURO Banking was set up in Brussels in January 1975 at the EURO I Conference sponsored by the International Federation of Operational Research Societies.

The purpose of the group is for OR practitioners to exchange and stimulate ideas about the techniques, experience, philosophy and application of operational research in banking. A secondary objective is to project operational research to bank management.

The Group has members from virtually all Western European countries and the total membership is over two hundred. Membership is open to all those employed by banks in operational research or similar departments. Membership is at present free to all members of National European Operational Research Societies.

There is a National Co-ordinator for each country represented in the Group. Normally National Co-ordinators meet with the Chairman and Secretary twice a year as the Executive Committee. The role of the National Co-ordinator is a contact point, co-ordinator of views and representative of his country.

Locational
Analysis

COORDINATOR: Prof. C. Michelot, Laboratoire d'Analyse Numérique Université de Bourgogne, B.P. 138, 21004 DIJON CEDEX, FRANCE (tel.: (33) 80 395873).

PURPOSE AND HISTORY:

The decision to set up a Working Group in the field of Location Analysis has been taken during the First EURO Summer Institute (Brussels, July 1984) with the idea to provide a network of people working together and to keep a continuity in the exchanges.

So, the major goal of the WG is to stimulate the exchange of information and of scholarship: continuity of the group is regarded to be of main importance, and, friendship among members plays an important role.

However, it must be pointed out that the WG is not an exclusive circle. Everybody who is interested to present his work, to participate in the discussions, or more simply to learn about the subject may join the group: his participation will be greatly appreciated. Either theoretical contributions (concepts, methods ...) or applied research, presentation of software, are welcome. Communications, discussions or surveys on new applications, open problems, connection between the field of Location Theory and related areas (cluster analysis, location-routing problems, multicriteria analysis, approximation theory,...), are of great interest.

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NUMBER OF MEMBERS: 60.

FUTURE PLANNED ACTIVITIES:

6th meeting: Tenerife (Spain), April 21-24, 1992 (organizer: Mr. J. Moreno Perez, Dep. Estadística e Investigación Operativa, Facultad de Matemáticas, Universidad de la Laguna, 38271 La Laguna, Tenerife, Spain (tel.: 34-22 603229, fax: 34-22 603347; e-mail: JMP@IAC.ES).

ESIGMA EURO Summer Institute Group on Multicriteria Analysis

COORDINATOR: C. A. Bana e Costa, CESUR - IST, Av. Rovisco Pais, 1000 LISBOA, PORTUGAL (tel.: (351) (1) 80 97 05, (351) (1) 80 95 80, fax: (351) (1) 80 98 84).

PURPOSE AND HISTORY:

At the end of the Second Euro Summer Institute (Brussels, July 1985), which was devoted to Multicriteria Analysis, the participants expressed a strong interest in continuing to work together. This was the result of three weeks of fruitful and friendly collaboration. So, the idea was born to create a working Group on Multicriteria Analysis.

ESIGMA is open to everybody who is interested in Multicriteria Analysis and who wants to present results, applications or open problems, and to

participate in the discussions, or simply to learn about this subject and to be kept well informed of its recent developments. One very important aspect is that the meetings of ESIGMA should not be too formal: a large place should be given to discussions. This means that problems which are not completely solved are welcome.

As another group already exists within the EURO on the same subject (Multicriteria Aid for Decisions), it must be pointed out that the purpose of ESIGMA obviously is not to be in competition with it but to be complementary to it in two ways essentially:

a) in order to make it easier for the researchers to attend the meetings of the group, ESIGMA will meet once a year, at the occasion of the EURO Conferences; special arrangements will be made for years without a EURO Conference. (The meetings of the other group are in March and October of each year).

b) in order to encourage people of all nationalities to participate, the main language of ESIGMA will be English (an understanding of French is recommended for participation in the meetings of the other group).

NUMBER OF MEMBERS: 200.

NEWSLETTER: 2 issues per year, edited by P. Vincke, Université Libre de Bruxelles, C.P.210, Bld. du Triomphe, B-1050 Brussels, Belgium.

ACTIVITIES 91:

6th meeting: Aachen (Germany), 1991.

FUTURE PLANNED ACTIVITIES:

7th meeting: Helsinki (Finland), June 28, 1992 (organizer: Prof. P. Salmi-nen, University of Jyväskylä, Dept. of Economics and Management, PL 35, 40351 Finland), Tutorial session by Prof. R. L. Keeney.

P r o j e c t M a n a g e m e n t a n d S c h e d u l i n g

COORDINATOR: Prof. L.V. Tavares, CESUR-IST, Av. Rovisco Pais, 1000 Lisboa, Portugal (tel.: (351) (1) 793 60 95, fax: (351) (1) 73 45 38).

PURPOSE AND HISTORY:

The EURO Working Group on Project Management and Scheduling has been established by Prof. L. Tavares and J. Weglarz during the EURO VIII conference, Lisbon, September 1986. It was decided to organize a workshop every two years.

Gathering most promising theoretical and applied advances in Project Management and Scheduling to assess the state of the art of this field and its potential to support Management Systems is the objective of these workshops.

The first workshop was held in Lisbon in July 1988, organized by L. Tavares. It gathered sixty participants from 16 countries a special issue on Project Management and Scheduling was published by EJOR including selected papers from this Workshop (November, 1990). The second workshop was organized J. Carlier in Compiègne, France in 1990.

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NUMBER OF MEMBERS: 150.

NEWSLETTER: Starting on October 1992.

ACTIVITIES 91:

Preparation of the second special issue of EJOR on PMS and organization of the 3rd workshop.

FUTURE PLANNED ACTIVITIES:

3rd workshop: Milano - Como (Italy), July 6-8, 1992 (organizer: Prof. C. Vercellis, Dipartimento di Economia e Produzione, Politecnico di Milano, Piazza Leonardo da Vinci, 32, I-20133 Milano, Italy).

F i n a n c i a l M o d e l l i n g

COORDINATOR: Prof. J. Spronk, Erasmus University, P.O. Box 1738, NL - 3000 DR Rotterdam, The Netherlands (tel.: (31) (10) 408 12 82, fax: (31) (10) 452 63 99).

PURPOSE AND HISTORY:

The EURO Working Group on Financial Modelling was founded in September 1986 in Lisbon.

The meetings of the Working Group are organized by members and will take place twice a year, in April and in November. Earlier meetings were held in: Rotterdam (The Netherlands), London (United Kingdom), Paderborn

(West-Germany), Catania (Italy), Liège (Belgium) and Sirmione (Italy), Gieten (The Netherlands), Curaçao (the Netherlands), and London (United Kingdom). If there is enough material an edition of Newsflow, the newsletter of the Working Group, will appear after each meeting.

The objectives of the Working Group on Financial Modelling are:

- to provide a forum for exchange information and experiences on financial modelling;
- to encourage research in financial modelling;
- development of financial modelling techniques and methodologies;
- cooperation with related organizations;
- to stimulate interaction between theory and practice in financial modelling;
- exchange of information between members and interested non-members.

The primary field of interest for the Working Group on Financial Modelling is: Financial models to support the solution of problems faced by financial managers in the firm.

Important areas of interest are:

- Description and support of financial planning and decision making;
- Design of Financial Decision Support Systems;
- Financial Theory and its integration in financial models;
- Financial Modelling Evaluation and Implementation studies.

The potential activities of the Working Group can be described roughly as follows:

- organization of meetings, exchange

of experiences;

- to write common papers;
- comparison of experiences with financial modelling studies, including the development of standards for reporting these experiences;
- comparison and tests of software, development of software criteria;
- identification of research directions and open problems;
- cooperation with other organizations, etc.

NUMBER OF MEMBERS: 100 (400 on mailing list).

NEWSLETTER: Newsflow.

ACTIVITIES 91:

-9th meeting: Curaçao (Netherlands Antilles), April 24-27, 1991 (organizer: R. Silberie, University of Netherlands Antilles, Willemstad, Curaçao).

-10th meeting: London (U.K.), November 21-23, 1991 (organizers: R. Flavell and R. Hewins, The Management School, Imperial College, Exhibition Road, 52-53 Prince's Gate, London SW7 2BX, United Kingdom (tel.: (44) (71) 589511 ext. 7111, fax: (44) (71) 8237685).

FUTURE PLANNED ACTIVITIES:

-11th meeting: Cogne, the Aosta valley (Italy), April 22-25, 1992 (organizer: L. Peccati, Università degli Studi di Torino, Istituto di Matematica Finan-ziaria, Torino, Italy, tel: (39) (11) 544004).

During the EURO/TIMS conference (Helsinki (Finland), June 29 - July 1, 1992), members of the EURO-WG will organize a stream of sessions on

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financial modelling. These members are: T. Hartikainen, I. Virtanen & P. Ylli-Olli, University of Vaasa, Finland (tel.: 358-61 248111, fax: 358-61 248344, e-mail: tim@chde.uvasa.fi).

E C C O

European Chapter on Combinatorial Optimization

COORDINATOR: Prof. C. Roucairol, INRIA, Domaine de Rocquencourt - B.P. 105, F-78153 LE CHESNAY CEDEX, France (tel.: (33) (1) 39 63 54 80, fax: (33) (1) 39 63 53 30, email: roucairol@seti.inria.fr).

PRESIDENTS: C. Roucairol (France), P. Toth (Italy), D. de Werra (Switzerland).

PURPOSE AND HISTORY:

The EURO Working Group on Combinatorial Optimization, ECCO (European Chapter on Combinatorial Optimization) was created in 1987 by C. Roucairol, D. de Werra and A. Kan. This group provides an excellent opportunity to discuss recent and important issues in Combinatorial Optimization and its applications with European combinatorialists: most European countries are represented. The meetings have a regular basis (once a year during Spring) and must nicely combine scientific works and exchange of new ideas with an exciting atmosphere like Paris May 88, Venice June 89, Barcelona May 90, Dubrovnik May 91 (cancelled). An abstract booklet is distributed to the

participants at each meeting and additional copies to all members after the meeting.

NUMBER OF MEMBERS: 250 (50-60 attendees to each meetings).

ACTIVITIES 91:

4th meeting: Dubrovnik (Yugoslavia), May 1991 (cancelled).

FUTURE PLANNED ACTIVITIES:

-5th meeting: Graz (Austria), April 13-15, 1992 (organizer: Prof. R. Burkard, Institut für Mathematik B, Technische Universität Graz, Kopernikugasse 24, A-8010 Graz, Austria, (tel.: 0316 873 7125, email: BURKARD@KOP.TU-GRAZ.ADA.AT).

-6th meeting: Brussels (Belgium), 1993 (organizer: Prof. M. Labbé, email: mlabbe@rc1.vub.ac.be).

D e c i s i o n S u p p o r t S y s t e m s

COORDINATOR: Prof. T. Jelassi, INSEAD, Boulevard de Constance F-77305 Fontainebleau, France (tel.: (33) (1) 60 72 40 17, fax: (33) (1) 60 72 40 49 / 42 42, bitnet: Jelassi@Freiba 51).

PURPOSE AND HISTORY:

The place was the beautiful island of Madeira and the occasion was the 1989 EURO Summer Institute. A decision was made to create the EURO Working Group on Decision Support Systems as a forum for continued exchange and collaboration among the Ps and the Ls (i.e. the Partici-

pants and the Lecturers of that institute) and interested new members.

Since that time, the Group has come quite a long way. Its members have been very active conducting individual/joint research work as well as giving the Group increasing visibility. Several activities have already taken place; many others are in the planning stage. The group has been meeting once a year, every time in a different country.

Other activities include publishing a newsletter, editing special issues of DSS - related journals, organizing an international conference on DSS, sponsoring some academic events, and working on joint DSS projects.

NUMBER OF MEMBER: 60.

NEWSLETTER: EuroDSS. Editor: A. A. Angehrn, INSEAD, European Institute of Business Administration, Boulevard de Constance, F-77305 Fontainebleau CEDEX, France (tel.: (33) (1) 60 72 40 00, fax: (33) (1) 60 72 42 42).

ACTIVITIES 91-92:

-2nd meeting: Bruges (Belgium), March 23-25, 1991 (organizer: D. Kenis, Free University of Brussels);
-1st IFORS Specialized Conf. on DSS, Bruges (Belgium), March 26-29, 1991.
-3rd meeting: Budapest (Hungary), March 19-22, 1992 (organizer: A. Edelmayer, Computer and Automation Inst., Hungarian Academy of Sciences).

FUTURE PLANNED ACTIVITIES

-Co-Sponsor of the Working group conference on "Decision Support

EWGs Activity Report

Systems: Experiences and Expectations", jointly organized by the International Federation for Information Processing (IFIP) and INSEAD, June 30-July 1, 1992, Fontainebleau, France;

- 4th meeting: Lisboa, Portugal, July 9-11, 1993 (organizer: A. Rodriguez, Centro de Estatica e Aplicacoes da Universidade de Lisboa, Av. 24 Julho 134 /5, P-1300 Lisboa, Portugal.

Urban Traffic and Transportation

COORDINATOR: Dr. M. Bielli, National Research Council, Viale Manzoni, 30, I-00185 Roma, Italy (tel.: (39) (6) 77 00 31, fax: (39) (6) 77 00 31).

PURPOSE AND HISTORY:

The EURO Working Group on Urban Traffic and Transportation was founded in July 1991 in Cetraro (Italy), during the 7th Euro Summer Institute on Urban Traffic Management.

The objectives of this EWG are:

- to provide a forum for exchange of information and experiences on research activities on the field of urban traffic and transportation;
- to encourage joint researches and the development both of theoretical methods and applications;
- to promote the cooperation among different institutions and organizations, leaders at national and international level in the field of urban transportation systems.

The primary field of interest for the Working Group is: Operations Research methods, mathematical models and computation algorithms to solve and support the solution of problems faced by city authorities and public transport companies.

Relevant areas of interest are:

- traffic control and simulation models;
- traffic network equilibrium models;
- land-use and urban transportation planning;
- applications of Combinatorial Optimization;
- public transport management.

The potential activities of the Working Group can be the following ones:

- organization of meetings and workshops;
- editing of a Newsletter;
- promotion of joint researches;
- implementation, comparison and validation of software packages;
- application and transfer of models and tools to real case environments.

NUMBER OF MEMBERS: 30.

ACTIVITIES 91:

- editing of the Special Issue of EJOR on Urban Traffic Management;
- cooperation in the organization of the Second International Capri Seminar on Urban Traffic Networks, to be held in Capri (Italy), 5-8 July 1992;
- organization of the 1st Meeting of the Working Group in Munich.

FUTURE PLANNED ACTIVITIES:

-1st meeting: Munich (Germany), 1-3 October, 1992 (organizers: J. Carlos Moreno Banos & B. Friedrich, Technical University of Munich, Arcistrasse 21, D-8000 Munchen 2, Germany);

-organization of an Invited Session on Urban Traffic Management in the framework of the IFORS 93 Lisbon Conference;

-editing of a Newsletter and diffusion of the EURO Bulletin.

Information Systems

COORDINATOR: Prof. G. I. Doukidis, Athens University of Economics and Business, Informatics Department, 76 Patisson Street, 10434 Athens, Greece (tel.: (30) (1) 823 35 23, fax: (30) (1) 822 62 04, telex: 225363 ASOE GR).

PURPOSE AND HISTORY:

This new group was formed in July 1991 on the 11th EURO Conference in Aachen with Acting Chairman: Prof. G. I. Doukidis, from Athens University of Economics and Business and Acting Secretary: Ms. J. Kuljis from Roehampton Institute in London. The other members of the committee are: Dr. P. Kanof (Italy), Dr. R. J. Paul (UK), Dr. E. Whitley (UK) and Dr. D. Wikarski (Germany). Full details of the members of the committee is attached.

This group was created to provide a European basis for furthering the study and application of all areas of information systems. It is intended that the group will complement the

EWGs Activity Report

interests of the UK Operational Research Society, who are sponsoring the European Journal of Information Systems and the First European Conference on Information Systems, to provide a dynamic European focus for this area of interest.

NEWSLETTER: European Journal of Information Systems (An official publication of the Operational Research Society published by Macmillan).

ACTIVITIES 91:

The WG was formed in July 1991 during the 11th EURO Conference in Aachen. The members of the Committee met in October 1991 at the London School of Economics to organize activities for 1992-1993. There was a second meeting in London in February 1992 for the same purpose.

FUTURE PLANNED ACTIVITIES:

The EWG will be involved with the organization of two major events in 1993:

a. "Information Systems" sessions at IFORS-XIII in Portugal 1993.

Dr. E. Whitley (member of the committee) will help organize sessions on Information Systems for IFORS-XIII.

The themes are:

- i) The relationship of IS and OR;
- ii) Information Systems applications;
- iii) Information Systems and the organization.

Those who are willing to present papers they should contact Dr. Whitley (see attached address). The

WG will organize also a round table discussion about the future research directions of Information Systems during the IFORS Conference.

b. "The First European Conference on Information Systems", March 29 - April 2, 1993, Henley, UK.

The WG will be actively involved in organizing the above conference. Dr. E. Whitley will be the Conference organizer and Prof. G. Doukidis will be a member of the Programme Committee of this major European Conference on IS which is organized in association with the European Journal of Information Systems through the Operations Research Society. Those who would like to present a paper or attend the conference should contact Dr. Whitley or Prof. G. Doukidis. A call for papers will soon be out.

Another activity of the WG is to attract as many people as possible for the IS field in Europe. Those who are interested in becoming members of the EURO WG on Information Systems in order to receive constant information about our activities or participate/organize the various events should send a brief note to the acting chairman or acting secretary of the WG. The note (maximum 1 page) should contain brief details about their present job and current interests in the IS field.

COMMITTEE MEMBERS:

Dr. Georgios I. Doukidis (Acting Chairman), Athens University of Economics and Business, Informatics Department, 76 Patission Street, Athens, 10434 - Greece (tel.: (01) 823 7361, fax: (01) 822 6204);

Dr. Pedro Kanof, Sistemi Avantazi di

Management, Via Donizetti 38 I-20122 Milano - Italy (tel.: (02) 792 556, 794 225, fax: (02) 76 00 94 94);

Ms Jasna Kuljis (Acting Secretary), Department of Mathematics and Computing, Roehampton Institute, Wimbledon Parkside, London SW19 5NN - UK (tel.: (81) 946 2234, fax: (81) 944 6032);

Dr. Ray J. Paul, Information Systems Department, London School of Economics, Houghton Street, London WC2A 2AE - UK (tel.: (71) 955 7649, fax: (71) 955 7385);

Dr. Edgar A. Whitley, Information Systems Department, London School of Economics, Houghton Street, London WC2A 2AE - UK (tel.: (71) 955 7410, fax: (71) 955 7385);

Dr. Dietmar Wikarski, Institute of informatics, Rudower Chausse 5, D-1199 Berlin - Germany.

EURO Vice President in charge of Working Groups: Prof. I. Hall Themido, Lisbon Technical University CESUR, Av. Rovisco Pais, 1000 Lisboa, Portugal (tel.: (351) (1) 80 97 05, (351) (1) 80 95 80, tel. home: (351) (1) 89 02 06, fax: (351) (1) 80 98 84).

Miscellaneous

The Harold Larnder Prize

The Harold Larnder Prize for International Achievement in Operational Research

The Canadian Operational Research Society, and the Trustees of the Harold Larnder Memorial Trust, are pleased to announce that:

Professor K. Brian Haley

Professor of Operational Research,
School of Manufacturing and Mechanical
Engineering,
The University of Birmingham,
President of IFORS, 1992-94.

has been chosen to receive the 1992 Harold Larnder Prize for international distinction in operational research.

Professor Haley will receive the prize and deliver the Harold Larnder Memorial Lecture at the National Conference of the Canadian Operational Research Society, Toronto, June 1-3, 1992.

Nominations are invited for the Harold Larnder Memorial Prize which is awarded annually to individuals who have achieved international distinction in operational research. The prizewinner is expected to deliver the Harold Larnder Memorial Lecture on a topic of general interest to Operational Research at the National Conference of the Canadian Operational Research Society.

The names of nominated individuals and a brief summary of their operational research should be sent to:

Prof. Peter C. Bell,
Secretary to the Harold Larnder Memorial Trust,
Western Business School,
University of Western Ontario,
London, Ontario, Canada, N6A 3K7.

European Standard for Risk Management Education

The Association Européenne des Assurés de l'Industrie, the European Risk Management Association, which represents risk managers in nine European countries, has agreed a core curriculum in risk management education.

The identification, analysis and economic control of risk has become an increasingly important aspect of business activity and AEAI felt that the time was appropriate to co-ordinate educational effort. A group comprising practising risk managers and risk management academics has been working for the past year to design a suitable programme. The outcome of their deliberations has been a core curriculum comprising five subjects: Risk Analysis, Risk Control, Risk Financing, Business Organisation & Finance, Corporate Risk Management.

AEAI will not itself provide courses but member associations from the countries all identify existing providers of education such as universities, colleges or institutes.

The hope is that a better educated group of risk managers will be prepared for the future. A group of people able to respond to the enormous challenges of risk in modern industry and society.

AEAI was formed in 1974 and is headquartered in Brussels (AEAI, c/o F. Settembrino, rue Montoyer 51, B-1040 Brussels, Belgium). Board members represent member associations and meet at least twice a year.

Member associations are: GACI, France; A.O.G. The Netherlands; AIRMIC, U.K.; G.A.I./V.V.I., Belgium; ANRA, Italy; V.I.V., Germany; AGERS, Spain; D.R.M.K., Denmark; S.I.R.M., Switzerland.

Sub-committees are formed to deal with EEC authorities and officials and such issues as product liability, reinsurance capacity, freedom of services.

OR network bridging the gap

In the world of Operational Research, the gap between theory and practice is well-known.

Many OR workers have tried to bridge this gap, convinced that it is undesirable, for society as well, as for our profession. This has resulted in articles in professional journals, books and courses especially designed to support managers. But the gap continues to exist, albeit less wide than in the past.

At a very modest scale, we have tried since May 1986 to promote our profession outside academic circles. At the IFORS'90 Conference in Athens, we presented our ideas and achievements so far, and had the pleasure of meeting persons interested in joining an OR network. Later on, we received some very encouraging mail from all over the world. This year, at EURO XI at Aachen, we continued our efforts with the result that more people joined the network.

If you are interested in the OR network and are willing to participate in some way or another, please do contact us:

Dr. Leonard Fortuin, OR consultant, CQM,
P.O. Box 41 4, 5600 AK Eindhoven, the
Netherlands. Phone (+ +) 31 40 758705.
Fax: (+ +) 31 40 758712.

Professor Paul van Beek, Agricultural
University Wageningen, Department of
Mathematics, Dreyenlaan 4, 6703 HA Wa-
geningen, the Netherlands. Phone: (+ +)
31 8370 82387. Fax: (+ +) 31 8370 83554.

Professor Luk Van Wassenhove, INSEAD,
Technology Management Area, Boulevard de
Constance, 77305 Fontainebleau, France.
Phone: (+ +) 33 160 724326. Fax: (+ +)
33 160 724242.

Miscellaneous (continued)

a New Interdisciplinary Centre for Statistics

The Interdisciplinary Centre for Statistics (C.I.S.) of the University of Liège (CIS, Institute of Mathematics, 15 Av. des Tilleuls, B-4000 Liège, Belgium (tel.: 32 - 41 - 669410, fax: 32 - 41 - 669547):

. combines diverse academic talents related to statistics;

. constitutes the interface between the University and the outside world (industry, state organisations, other universities, EEC, ...) for all problems related to statistics;

. offers its services and multidisciplinary expertise with respect to:

- research, theoretical and applied;
- statistical consulting;
- education;
- study contracts;
- data analysis and modelling;
- surveys and polls;
- quality control;
- statistical software;

. creates synergies both within and outside the University, in particular with industry, by organizing continuing education, conferences or seminars;

. is the academic partner to look for in data analysis and statistical problem solving.

The Interdisciplinary Centre for Statistics covers following areas:

- Applied and theoretical statistics;
- Linguistics;
- Biostatistics;
- Econometrics;
- Biometrics;
- Social sciences statistics;

- Psychometrics;
- Industrial statistics;
- Computational statistics.

The Interdisciplinary Centre for Statistics gathers more than thirty professors, researchers, assistants and specialists in statistics. The Centre uses the currently available statistical packages and has important computing resources and facilities.

CALL FOR PAPERS

Special Issue of Operations Research on New Directions for Operations Management Research

Operations Research, the journal of the Operation Research Society of America (ORSA) is pleased to announce a special issue on new directions for operations management research. The field of operations management is evolving rapidly New problem contexts and research paradigms are emerging. Traditional, model-based research is being augmented by a wide range of disciplinary and empirical approaches.

In spite of these exciting changes, the research agenda for operations management has not changed significantly in the last 20 years. Accordingly, there is a need to provide a forum for introducing and disseminating new research directions to the Operations Research community. The special issue of Operations Research will address these needs.

Submitted papers will be evaluated on the basis of one or more of the following criteria:

- . Realism: Has a complex, realistic operations problem been analyzed?
- . Implementation: Have the results and/or methods been implemented in support of management decisions?

. Empirical Results: Has primary data been collected and analyzed, leading to insights on the performance and tradeoffs associated with operations environments?

. Innovation: Has a new problem paradigm, solution methodology or approach been developed, and will it inspire follow-on research?

. Insights: Are new and possibly provocative insights derived from the results of the analysis?

. Impact: Does the paper develop new ideas or methods?

. Analytical Contribution: Has a significant contribution been made to the field?

. Discipline Foundations: Is the research well grounded in one or more of the basic research disciplines, while still being a solid contribution to Operations Research?

We are looking for quality submissions in all aspects of operations management including:

- . Economic Model in Operations Management;
- . The Product Design Process;
- . Global Coordination and Logistics;
- . Manufacturing Process Design and Group Technology;
- . Accounting and Finance Interface with Manufacturing;
- . Service Sector Operations Management;
- . Information Technology and Manufacturing Automation;
- . Quality Improvement;
- . Time-Based Competition;
- . Continuous Improvement and Process Re-engineering;
- . The Marketing/Manufacturing Interface.

All manuscripts will be refereed according to the usual procedures followed by Operations Research. Four copies of the paper, following the standard submission guidelines for Operations Research, should be sent by October 15, 1992 to one of the editors of the special issue:

Morris A. Cohen, Decision Sciences Department, The Wharton School, University of Pennsylvania, 1300 SH-DH, Philadelphia, PA 19104-6366, USA;

Michael Magazine, Department of Management Sciences, University of Waterloo, Waterloo, Ontario, N2L 3G1 Canada.

EVENTS

Present section was closed on 3 April, 1992 (* denotes information featured in previous issues).

April 21, 1992

* LAMSADE Seminar. Virgile Gabrel on "présentation d'un problème d'optimisation combinatoire multicritère: la gestion de production de système d'observation de la terre par satellite". Paris, France; Information: B. Roy & D. Bouyssou, Université Paris-Dauphine, LAMSADE, pl. M. de Lattre de Tassigny, F-75775 Paris CEDEX 16, France, (tel.: (33-1) 45-05-14-10, fax: (33-1) 47-55-44-22, telex: 649322);

April 21-24, 1992

* 6th Meeting of the EURO Working Group on Locational Analysis, Tenerife, Spain; Information: José Moreno Pérez, Depto. de Estadística e I.O., Facultad de Matemáticas, Universidad de La Laguna, 38271 La Laguna, Tenerife, Spain, (tel.: (34) 22 603229, fax: (34) 22 603347, E-mail: JMP @ IAC . ES);

April 21-24, 1992

* 11th European Meeting on Cybernetics and Systems Research, Wien, Austria; Information: EMCSR 1992 Committee, c/o Österreichische Studiengesellschaft für Kybernetik, Schottengasse 3, A-1010 Wien, Austria, (phone: +43-1-53532810, fax: +43-1-630652, E-mail: sec%ai-vie . uucp @ relay . eu . net);

April 22-25, 1992

* EURO Working Group "Financial Modelling" Meeting, Cogne, Italy; Information: L. Peccati, Università Degli Studi di Torino, Istituto di Matematica Finanziaria, Via Legnano 11, I-10128 Torino, Italy, (tel.: (39) (11) 544004);

April 25-26, 1992

Workshop on Mathematical Organization Theory, Orlando, Florida, USA; Information: Prof. K. Carley, Social and Decision sciences, Carnegie Mellon University, Pittsburgh, PA 15213, USA (tel.: 412-268-3225, fax: 412-268-6938, e-mail: katheen.carley @ centro . soar . cs . cmu . edu);

April 26-29, 1992

* ORSA/TIMS Joint National Meeting, Orlando, FL, USA; Information: Bill Swart, Industrial Engineering Dept., University of Central Florida, Orlando, FL 32816, USA;

April 28-29, 1992

Seminar on "Logistics of the Supply Chain" and Seminar on "Applied GIS: Marketing, Distribution and Retailing", London, UK; Information: Unicom Seminars, Brunel Science Park, Cleveland Rd, Uxbridge, Middlesex, UB8 3PH, UK (tel.: 0895 256484, fax: 0895 813095);

May 4-6, 1992

* Optimization Days 1992, Montréal, Canada; Information: M. Gendreau & P. Marcotte, Centre de Recherche sur les Transports, Université de Montréal, Case Postale 6128, Succ."A", Montréal, Canada, H3C 3J7, (phone: (514)343-7575, fax: (514)343-7121, E-mail: jopt92 @ crt . umontreal.ca);

May 5-7, 1992

Vè J.I.T.: Préparer les ingénieurs pour l'an 2000, Tunis, Tunisia; Information: M. Besbes, ENIT, B.P. 37, le Belvédère, Tunis, Tunisia (tel.: (225) 514 700, fax: (225) 510 729, telex: 150 51);

May 15, 1992

meeting on Recent Advances in Mathematical Programming, Problems for the Future, Brussels, Belgium; Information: Prof. J. Brans, VUB - ST00, Pleinlaan 2, B-1050 Brussels, Belgium (tel.: +32 2 6412048, fax: +32 2 6412282);

May 18-22, 1992

* XXIVes Journées de Statistique, Brussels, Belgium; Information: *XXIVes Journées de Statistique, Université libre de Bruxelles, L.M.T.D - CP 124, av. Jeanne 44, B-1050 Brussels, Belgium;

May 21-22, 1992

* 14th Symposium on Mathematical programming with data perturbations, Washington, D.C., USA; Information: A. V. Fiacco, Dept. of Operations Research and the Institute for Management Science and Engineering, School of Engineering and Applied Science,

The George Washington University, Washington, D.C. 20052, USA;

May 24-25, 1992

Annual Meeting of The Operations Research Society of Israel, Ashkelon, Israel; Information: Prof. Z. Sinuany-Stern, Dept. of Industrial Engineering and Management, Ben Gourion University, Beer-Sheva 84105, Israel (tel.: +972 57 461458, fax: +972 57 36776);

May 25-28, 1992

* IFAC Symposium on Information Control Problems in Manufacturing Technology, Toronto, Canada; Information: Dr. J. Srimgeour, Montreal Road Bldg, M-50, Ottawa, Ontario, K1A 0R8, Canada;

June 1992

* EURO Working Group "Urban Traffic and Transportation" 1st meeting, Munich, Germany; Information: Juan Carlos Moreno Banos & Bernhard Friedrich, Laboratory of Automatic Control, Technical University of Munich, Arcistrasse 21, D-8000 Munchen 2, Germany;

June 1-3, 1992

* 1992 CORS Conference, Toronto, Canada; Information: T. Szandtner, Conference Chairman, Ernst & Young, P.O. Box 251, T-D Centre, Toronto, Ontario M5K 1J7, Canada, (tel.: (416)947-3090, fax: (416)864-1174);

June 1-5, 1992

* International Conference on Optimization Techniques and Applications & Pre-Conference Workshops on Optimization, Singapore, Singapore; Information: Dr. F.S. Chou, ICOTA'92 Conference Secretary, Faculty of Business Administration, National University of Singapore, 10 Kent Ridge Crescent, Singapore 0511, Singapore, (phone: (65) 7723167 / 7723087, fax: (65) 7771296, bitnet: SDSBZ @ NUS3090);

June 9-11, 1992

* 5th IFAC/IFIP/IFORS/IEA Symposium on Analysis, Design and Evaluation of Man-Machine System, Den Haag, The Netherlands; Information: Mr. P. L. Brinkman, c/o Man-Machine Systems Group, Lab. for Mea-

EVENTS (continued)

surements and Control, Faculty of Mechanical Eng. and Technology, Mekelweg 2, NL-2628 CD Delft, The Netherlands;

June 13-27, 1992

* 8th EURO Summer Institute on Risk Management in Complex Production and Transportation Systems, Rosersberg, Sweden;

Information: Sven-Eric Anderson, Projektutveckling AB, Block 11, S-19453 Upplands Vasby, Sweden, (tel.: (46) 760 91660 or 87294 (home), fax: (46) 760 87340);

June 15-18, 1992

PARLE'92 - Parallel Architectures and Languages Europe, Paris, France; Information: AFCET, 156 bld. Péreire, F-75017, Paris (tel.: (1) 47 66 24 19, fax: (1) 42 67 93 12);

June 16-18, 1992

* IFAC/IFIP/IMACS International Symposium on Artificial Intelligence in Real-Time Control, Delft, The Netherlands; Information: AIRTC 1992, Congress Office KIVI, P.O. Box 30424, NL-2500 GK Den Haag, The Netherlands, (fax.: +31 70 3919840);

June 22-24, 1992

* 7th IMACS International Conference on Computer Methods for Partial Differential Equations, New Brunswick, NJ, USA; Information: K. Hahn, IMACS PDE-7 Conference Secretary, Rutgers University, Department of Computer Science, New Brunswick, NJ 08903, USA, (fax: 908-932-5530);

June 22-25, 1992

* IFORS - SPC 2 on Transition to Advanced Market Economies, Warszawa, Poland; Information: Prof. A. Straszak, IFORS - SPC 2, Systems Research Institute, Polish Academy of Sciences, 6 Newelska, Warszawa 01-447, Poland;

June 23-25, 1992

* 18th IFAC/IFIP Workshop on Real-Time Programming, Brugge, Belgium; Information: Mr. Luk Pauwels, Coordinator, Desguinlei 214, B-2018 Antwerpen, Belgium;

June 24-26, 1992

* IFAC Workshop on Support Systems for Decision and Negotiation Processes, Warszawa, Poland; Information: Dr. Zbigniew Nahorski, DNS'92, Systems Research Institute, Polish Academy of Sciences, Newelska 6, 01-447 Warszawa, Poland;

June 28, 1992

* ESIGMA - EURO Summer Institute Group on Multicriteria Analysis: discussion & tutorial session on Value-focused Thinking, Helsinki, Finland; Information: Ph. Vincke, Université Libre de Bruxelles, C.P. 210, bld. du triomphe, B-1050 Brussels, Belgium or P. Salminen, University of Jyväskylä, Department of Economics and Management, PL35, SF-40351 Jyväskylä, Finland (tel.: 358-41-602946, fax: 358-41-603331);

June 29-30, 1992

* DGOR/ORSA Joint Conference on New O.R. Developments in the Area of Production, Hagen, Germany; Information: Dr. Günter Fandel, Institute of Production Management, Fernuniversität, D-5800 Hagen I, Germany, (tel.: 02331 8042625);

June 29 - July 01, 1992

* EURO XII / TMS XXXI Joint International Conference on Operational Research & Management Science, Helsinki, Finland; Information: EURO Secretary, Paolo Toth, DEIS, University of Bologna, Via Risorgimento 2, I-40136 Bologna, Italy;

June 29 - July 01, 1992

* EURO Working Group "Financial Modelling", Helsinki, Finland; Information: T. Martikainen, I. Virtanen & P. Ylli-Olli, University of Vaasa, P.O. Box 297, 65101 Vaasa, Finland, (tel.: 358 61 248111, fax: 358 61 248344, e-mail: tlméchyde.uwasa.fi);

June 30 - July 1, 1992

IFIP/INSEAD Working Group Conference on Decision Support Systems: Experiences and Expectations, Fontainebleau, France; Information: Prof. T. Jelassi, INSEAD, Bld. de Constance, F-77305 Fontainebleau, France (tel.: 33 1 60724017, Fax: 33 1 60724049 / 4242);

July 5-8, 1992

Seminar on Urban Traffic Network, Capri, Italy; Information: Prof. G. Improta, Dip. di Informatica e Sistemistica, Università di Napoli, via Claudio 21, I-80125 Napoli, Italy (tel.: +081-768 3376, fax: +081-768-3186);

July 6-8, 1992

* Euro Working Group "Project Management and Scheduling" 3rd Workshop, Como, Italy; Information: Prof. L.V. Tavares, CESUR-IST, Av. Rovisco Pais, 1000 Lisboa, Portugal, (fax: (351) (1) 73 45 38); Prof. C. Vercellis, Dip. di Economia e Produzione, Politecnico di Milano, Piazza Leonardo da Vinci 32, I-20133 Milano, Italy;

July 6-9, 1992

* CO92 meeting on Combinatorial Optimisation, Oxford, UK; Information: CO92, Department of Statistics, 1 South Parks Road, Oxford OX1 3TG, UK, (e-mail: CO92@uk.ac.ox.vax);

July 12-15, 1992

* Marketing Science Conference: Advances and Practices of Marketing Science, London, UK; Information: M. Uncles, London Business School, Sussex Place, Regent's Park, London NW1 4SA, UK, (tel.: 071 262 5050, fax: 071 724 7875, e-mail: ms1992@uk.ac.lon.lbs);

July 13-17, 1992

Annual Meeting on Systems Engineering, Santiago, Chile; Information: XV Taller de Ingeniería de Sistemas, Departamento de Ingeniería Industrial, Av. Republica 701, Casilla 2777, Santiago, Chile (fax: +56 2 6897895);

July 19-24, 1992

* 10th International Conference on Multiple Criteria Decision Making, Taipei, Taiwan, R.O.C.; Information: Prof. Gwo-Hshiung Tzeng, Energy Research Group & Institute of Traffic and Transportation, College of Management, National Chiao Tung University 4F, 114, Sec.1, Chung-Hsiao W. Rd., Taipei 100, Taiwan, R.O.C., (phone: 011-886-2-3146515, fax: 011-886-2-3120082);

EVENTS (continued)

July 26-31, 1992

18th Meeting of EWG "OR Applied to Health Services" on Information and Planning Systems: The Basis of Healthcare Management, Konstanz, Germany;
Information: Prof. M. Grutz, Fachhochschule Konstanz, Postfach 100543, D-7750 Konstanz, Germany;

July 27 - August 1, 1992

5th International Congress on Computational and Applied Mathematics, Leuven, Belgium;
Information: Prof. M.J. Goovaerts, K.U. Leuven, Actuarial Sciences, de Bériotstraat 34, Huis de Dorlodot, B-3000 Leuven, Belgium (tel.: +32-16-284535, fax: +32-16-284534, E-mail: fdbaa35 at BLEKUL11);

August 7-10, 1992

12th International Symposium on Forecasting, Wellington, New Zealand;
Information: F. Jackson, Victoria University of Wellington, Wellington, New Zealand;

August 18-20, 1992

* 7th IFAC / IFORS Symposium on Modelling and Control of National Economies, Beijing, China;
Information: Prof. Chen Decuan, Institute of Policy and Management, Academia Sinica, Beijing, China;

August 22-26, 1992

* 6th IFAC / IFORS Symposium on Large Scale Systems, Theory and Applications, Beijing, China;
Information: Prof. Changpu Wu, Beijing Institute of Technology, Beijing, China;

August 25-28, 1992

* 17th Symposium on Operations Research, Hamburg, Germany;
Information: Martin Schader, Dept. of Computer Science, Universität der Bundeswehr Hamburg, Holstenhofweg 85, D-2000 Hamburg 70, Germany;

August 31 - September 4, 1992

International Conference on Economics / Management and Information Technology, Tokyo, Japan;
Information: Secretariat of CEMIT92 / CECOIA3, c/o Inter Group Corp/, Akasaka

Yamakatsu Bldg., 8-5-32, Akasaka, Minato-ku, Tokyo, Japan (tel.: +81-3-3479-8391, fax: +81-3-3479-2475);

September 3-6, 1992

* International Conference on Information and Systems, Dalian, China;
Information: Dr. Zhang Shengkai, ICIS NO. 1, Baoding St.116001, Dalian Institute of Light Inds. Tech., Dalian, China;

September 8-10, 1992

* 1992 Conference of The Operational Research Society, Birmingham, UK;
Information: The Operational Research Society, Neville House, Waterloo Street, Birmingham B2 5TX, UK. (tel.: 021 643 0236, fax: 021 631 3485);

September 8-10, 1992

* International Seminar on Statistical Confidentiality, Dublin, Ireland;
Information: International Statistical Institute Permanent Office, 428 Prinses Beatrixlaan, P.O. Box 950, NL-2270 AZ, Voorburg, The Netherlands;

September 9-11, 1992

DGOR - OGOR Joint Annual Conference, Aachen, Germany;
Information: Prof. K.-W. Hansmann, Institut für Industrielles Management, Universität der Bundeswehr Hamburg, Holstenhofweg 85, D-2000 Hamburg, Germany (tel.: (040) 6541 2772);

September 13-18, 1992

* 6th International Conference on Stochastic Programming, Udine, Italy;
Information: Prof. Giovanni Andreatta, Dept. of Pure and Applied Mathematics, Via Belzoni 7, I-35131 Padova, Italy;

September 15-18, 1992

14th International Conference on Information Technology Interfaces, Pula, Croatia;
Information: Branka Radic, University Computing Centre, Engelsova bb, 41000 Zagreb, Croatia (tel.: +38 41 510 099, Fax: +38 41 518 451, E-mail: BRANKA.RADIC @ UNI-ZG.AC.MAIL.YU);

September 21-24, 1992

International Federation of Automatic control Workshop on Supplementary Ways for Increasing International Stability, Toronto, Canada;

Information: Science for Peace SWISS'92, Prof. E. Fawcett, Physics Dept., University of Toronto, Toronto, Ontario, Canada M5S 1A7 (fax: (416)978-1547, e-mail: Fawcett @ UtorPhys);

September 23-25, 1992

Annual Conference of the Italian Association of Operations Research, Acireale, Italy;
Information: AIRO secretariat, Prof. B. Matarazzo, Facoltà di Economia e Commercio, Istituto di Matematica, Università degli Studi di Catania, Corso Italia 55, I-95129 Catania, Italy (tel.: +39-95/375344, fax: +39-95/370574);

September 23-25, 1992

International Conference on Data Transmission, London, U.K.;
Information: J. Chopping, DT92 Secretariat, Conference Services, The Institution of Electrical Engineers, Savoy Place, London WC2R 0BL, U.K. (tel.: 071 240 1871 ext. 222, fax: 071 497 3633, telex: 261176 IEE LDN G);

September 23-25, 1992

* 8th International Symposium on Technical Diagnostics, Dresden, Germany;
Information: Conference Secretariat TD 92, Scientific-Technology Society for Measurement and Automatic Control (WGMA), P.O. Box 1315, D-1086 Berlin, Germany;

October 1-3, 1992

1st Meeting of the EWG on Urban Traffic and Transportation, Landshut, Germany;
Information: Prof. M. Papageorgiou, Lehrstuhl für Steuerungs- und Regelungstechnik, Technische Universität München, Arcisstr. 21, D-8000 München, Germany (tel.: +49/89/2105-3405, fax: 49/89/2105-8340, E-mail: Lehrstuhl-Schmidt @ LSR-LRZ.E-Technik.TU - Muenchen. DBP.DE) or Prof. H. Keller, Fachgebiet Verkehrsplanung und Verkehrswesen, Technische Universität München, Arcisstr. 21, D-8000 München, Germany (tel.: +49/89/2105-2449, fax: +49/89/284431, E-mail: Keller @ fgv.vpl.bauwesen.tu - muenchen.de);

October 5-9, 1992

* 6th Latin-Iberian-American Meeting on Operations Research and Systems Engineering, Mexico, Mexico;
Information: Javier Marquez Diez- Canedo,

EVENTS (continued)

Departamento de Administracion, Instituto Tecnológico Autónomo de México-ITAM, Rio Hondo n°1, Tizapan San Angel, Mexico, D.F., Mexico, C.P. 01000 (fax.:550-7637 or 548- 5620);

October 8-9 or 15-16, 1992

36th Meeting of EWG "Multicriteria Aid for Decisions", Luxembourg, Luxembourg; Information: R. Bisdorff, Centre de Recherche Public, Centre Universitaire, 162a Av. de la Faiencerie, 1511 Luxembourg, Luxembourg;

October 11-17, 1992

Ecole de Systémique, Mont Saint-Odile, France; Information: AFCET, 156 bld. Péreire, F-75017 Paris, France (tel.: (1) 47 66 24 19, fax: (1) 42 67 93 12);

October 14-16, 1992

*** Optimization in Planning and Operation of Electric Power Systems Tutorial**, Thun, Switzerland; Information: K. Frauendorfer, Institute for Operations Research, Moussonstrasse 15, CH-8044 Zurich, Switzerland, (tel.: 01 257 37 72);

December 7-11, 1992

*** XVIIth International Biometric Society Conference**, Hamilton, New Zealand; Information: IBC'92 Secretary, Ruskura Agricultural Centre, Private Bag 3080, Hamilton, New Zealand, (tel.: +64(7)856 2839, fax: +64(7)838 5012, e-mail: ibc@ruakura.maf.govt.nz);

December 14-16, 1992

*** International Conference on Operational Research for Development**, Ahmedabad, India; Information: J. Rosenhead, London School of Economics & Political Science, Houghton Street, London WC2A 2AE, UK, (tel.: 071 955 7637, fax: 071 955 7416, telex: 24655 LSELON G);

December 17-19, 1992

Silver Jubilee (XXV) Convention of The Operational Research Society of India, Theme: **Operational Research & Information Technology - A New Synergy**, Ahmedabad, India;

Information: Prof. G. Raghuram, Organising Secretary OR-92, Public System Group, Indian Institute of Management, Ahmedabad 380 015, India (tel.: 91-272-407241, fax: 91-272-467396, E-mail: raghuram @ iimahd.ernet.in, telex: 121-6351-IIMA IN);

January - February 1993

*** IFIP Conference on Computational Techniques of Stochastic Programming**, Seregelyes, Hungary; Information: Dr. Istvan Deak, Deputy Head of the O.R. Dept., Computer and Automation Institute, Kende u. 13-17, H-1111 Budapest XI, Hungary;

March 9-11, 1993

International Symposium on Systems Analysis and Management Decision in Forestry, Chile; Information: A. Weintraub, Department Engineering, Industrial University of Chile, POB 2777, Santiago, Chile, (tel.: +56 2 68 99403, fax: +56 2 68 97895);

March 11-12 or 18-19, 1993

37th Meeting of EWG "Multicriteria Aid for Decisions", Liège, Belgium; Information: G. Colson, Université de Liège, FEGSS, Bâtiment B.31, Bte.50, B-4000 Liège, Belgium;

March 29 - April 2, 1993

1st European Conference on Information Systems, Henley, UK; Information: Prof. G. I. Doukidis, Athens University of Economics and Business, Informatics Dept., 76 Patisson Street, GR-10434 Athens, Greece (tel.: 30 1 823 3523, Fax: 30 1 822 6204);

May 3-6, 1993

*** 6th International Symposium on Applied Stochastic Models and Data Analysis**, Chania, Crete, Greece; Information: J. Janssen, CADEPS-ULB, Ecole de Commerce Solvay, 50 av. F.D. Roosevelt cp 194/7, B-1050 Brussels, Belgium, (tel.: 32-2-6503883, fax: 32-2-6502785) or C. H. Skiadas, Department of Production Engineering and Management, Technical University of Crete, 73132 Chania, Crete, Greece, (tel.: 30-821-59627, fax: 30-821-42176);

May 17-21, 1993

12th International Conference on

Electricity Distribution (CIRED), Birmingham, U.K.;

Information: CIRED General Secretariat, Galerie Ravenstein 4 Bte. B-100 Brussels, Belgium (tel.: +32 25 11 1970, fax: +32 25 11 2938, telex: 62409 UEBVE B);

June 8-10, 1993

AFCET'93 Congress, Versailles, France; Information: AFCET, 156 bld. Péreire, F-75017 Paris, France (tel.: (1) 47 66 24 19, fax: (1) 42 67 93 12);

July 9-11, 1993

4th Meeting of EWG "Decision Support Systems", Lisboa, Portugal; Information: A. Rodriguez, Centro de Estatística e Aplicações da Universidade de Lisboa, Av. 24 Julho 134 /5, P-1300 Lisboa, Portugal;

July 12-16, 1993

*** IFORS XIII on OR: Expanding Horizons**, Lisboa, Portugal; Information: Professor J. Dias Coelho, Faculdade de Economia, Travessa Estevao Pinto, P-1000 Lisboa, Portugal;

July 19-23, 1993

International Federation of Automatic Control World Congress, Sidney, Australia; Information: IFAC Congress Technical Secretariat '93, c/o Department of Electrical and Computer Engineering, University of Newcastle, University Drive, Callaghan NSW 2308, Australia (tel.: +61 +49) 21 6025, fax: (+61 +49) 60 1712, E-mail: eegcg @ cc.newcastle.edu.au);

August 25-27, 1993

3rd IFAC International Workshop on Artificial Intelligence in Economics and Management, Portland, Oregon; Information: Prof. R. Krishnan, School of Urban and Public Affairs, Carnegie Mellon University, Pittsburgh, Pennsylvania 15312, USA;

August 30 - September 2, 1993

IFCS'93 - Conference of The International Federation of Classification Societies, Paris, France; Information: AFCET, 156 bld. Péreire, F-75017 Paris, France (tel.: (1) 47 66 24 19, fax: (1) 42 67 93 12);