

EURO Bulletin

Bulletin of the Association of European Operational Research Societies (EURO) distributed 4 times a year (Spring, Summer, Fall, Winter) through the National Societies. National Societies or individual members having news for the bulletin are requested to send their information to the editor: Ph. Van Asbroeck, 108 av. Slegelx, B-1030 Brussels, Belgium (tel. & fax.: + 32 2 245 60 69).

from our Vice-President Tuula Kinnunen

EURO WORKING GROUPS & EURO NETWORKS

Since the first EURO Conference, EURO I, several EURO Working Groups (EWGs) have been established. They have been established to give an organizational framework for smaller groups of researchers interested in a specific OR-topic. EWGs organize meetings and most of them publish a newsletter regularly. A common purpose for all the EWGs is to exchange ideas, experience, and results.

The creation of new EWGs is left to individual initiative. After the convenor of the new working group has gathered a group of people interested in cooperation in a specific topic of OR, the group can apply to become a EURO Working Group. For this purpose they have to produce a short report containing preferably the ob-

jectives of the group and a tentative schedule of activity. The EURO Executive Committee decides on delivering the EURO label.

If the EURO label is delivered to a group it means that EURO has to be kept informed about the activities of the group. EURO includes the new EWG in the list of its official activities.

In forming a new EWG the following principles have to be met:

1. The EWGs should as far as possible bring together people with different professional backgrounds (industry, university, etc.).
2. They should be actually international; this requirement is met satisfactorily if at least 4, but possibly 5 or 6 nations are represented at each meeting and if the meetings do not take place too often in the same country.
3. Any group should be open to any individual member of any EURO member society. Also persons that are not members of a national OR society can be accepted.

The EWGs have a duty to report yearly on their activities to the second EURO Vice-President. EWGs should also provide EURO with general information about some other (e.g. professional) body with which it plans a joint meeting.

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To ease the work of EWGs EURO-k conferences can provide time and space for the meetings of the EWGs and the meetings can be set within the framework of the conference itself. It is possible for a EWG to have its meeting also as a side meeting of a EURO-k conference usually on the day before the conference proper starts, or the day after it finishes. Groups can also have their meetings between the EURO-k conferences. It is possible for a EWG to apply for financial help from EURO. Financial support can be granted e.g. for printing costs of common stationery, for administrative costs in the establishment of a new EWG and occasionally for meeting expenses, such as those of guest speakers, to some specific colloquium or seminar. However, the budget for these purposes in any one year is limited.

Inactive groups can be dissolved.

In more detail the matters of EURO working groups are stated in the charter of the EURO Working Groups.

The following active EURO Working Groups exist (in the order of establishment, with the year in brackets):

Multicriteria Aid for Decisions (1975) COORDINATOR: Prof. Bernard Roy, LAMSADE, Université de Paris - Dauphine, Place du Maréchal de Lattre de Tassigny, F-75775 PARIS CÉDEX 16, FRANCE. Tel.: (33) (1) 44 05 42 88, fax: (33) (1) 44 05 40 91.

Fuzzy Sets / IFSA European Chapter

(1975) COORDINATOR: Dr. Hans Hellen-doorn, Siemens AG, Dept. ZFE ST SN42, Otto-Hahn-Ring 6, W-8000 Munich 83. E-mail: hah@smaragd.zfe.siemens.de.

OR Applied to Health Services (1975) COORDINATOR: Dr. David Clayden, The United Leeds Teaching Hospitals NHS Trust, Information Services Directorate, Trust Headquarters, Leeds General Infirmary, LEEDS LS1 3EX, UK. Tel.: (44) (532) 31 68 01, fax: (44) (532) 31 66 53.

EUROBANKING special interest group (1975) COORDINATOR: Mr. Robert Park, Human Resources and Strategic Development, National Westminster Bank plc, 41, Lothbury, London EC2P 2BP, U.K. Tel.: (44) (71) 72 61 322, fax: (44) (71) 72 61 304.

Locational Analysis (1984) COORDINATOR: Prof. Christian Michelot, Université de Bourgogne, Laboratoire d'Analyse Numérique, BP 138, F-21004 DIJON CEDEX, FRANCE. Tel.: (33) (80) 39 58 73, fax: (33) (80) 39 58 69, e-mail: michelot@satie.u-bourgogne.fr.

ESIGMA - EURO Summer Institute Group on Multicriteria Analysis (1985) COORDINATOR: Prof. Carlos A. Bana e Costa, CESUR - IST, Av. Rovisco Pais, P-1096 LISBOA, PORTUGAL. Tel. (351) (1) 80 97 05 or (351) (1) 80 95 80, fax: (351) (1) 80 98 84, telex: 63423 ISTUTL-P.

Project Management and Scheduling (1986) COORDINATOR: Prof. L.V. Tavares, CESUR-IST, Av. Rovisco Pais, P-1096 LISBON, PORTUGAL. Tel.: (351) (1) 80 97 05 or (351) (1) 80 95 80, fax: (351) (1) 80 98 84, telex: 63423 IS-TUTL-P.

Financial Modelling (1986) COORDINATOR: Prof. Dr. Jaap Spronk, Erasmus Uni-

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versity Rotterdam, P.O. Box 1738, NL-3000 DR Rotterdam, The Netherlands. Tel.: (31) (10) 40 81 282, fax: (31) (10) 45 26 399.

ECCO - European Chapter on Combinatorial Optimization (1987) COORDINATOR: Prof. Catherine Roucairol, Université de Versailles & INRIA, Laboratoire MASI, 45 avenue des Etats Unis, F-78000 Versailles. Tel.: (33) (1) 39 97 20 88 or (33) (1) 39 63 54 80, fax: (33) (1) 30 97 20 57 or (33) (1) 39 63 53 30, e-mail: roucairol@masi.lbp.fr, roucairol@seti.inria.fr.

Decision Support Systems (1989) COORDINATOR: Prof. Tawfik Jelassi, INSEAD, Boulevard de Constance, F-77305 FONTAINEBLEAU, FRANCE. Tel.: (33) (1) 60 72 40 17, fax: (33) (1) 60 72 40 49, e-mail: jelassi%freiba51.bitnet@finhutc.hut.fi

Urban Traffic and Transportation (1991) COORDINATOR: Dr. Maurizio Bielli, Institute of Systems Analysis and Informatics, National Research Council, Viale Manzoni 30, I-00185 ROME, ITALY. Tel. (39) (6) 77 161, fax: (39) (6) 77 16 461.

Information Systems (1991) COORDINATOR: Prof. Georgios I. Doukidis, Athens University of Economics and Business, Department of Informatics, 76 Patission Street, GR-104-34 ATHENS, GREECE. Tel. (30) (1) 82 33 523, fax: (30) (1) 82 26 204, telex: 225363 ASOE GR.

EURO Networks

As a new initiative the use of EURO Networks is suggested. The aim of these networks is to exchange information on practical applications and to bring forward the usability of OR

methods to the practitioners of OR. As examples of subjects proposed the following can be mentioned: Operations Management, Marketing, Just-in-Time, Total Quality Management, Logistics, Retailing and Quantitative Management Accounting.

The network can come into existence even at a national level, but as a EURO Network it should be international. To ease this process Executive Committee of EURO can function as an information link either to find a national network in an other country or to give publicity of the existing national network. These networks can apply for the same benefits like EWGs such as meetings in combination of EURO-k conferences and financial support. They will also have the same reporting duties like EWGs. A EURO Network can develop into a EURO Working Group.

More information about working groups and networks can be obtained from EURO. The EURO-officer in charge of working groups is the second Vice-President: Lic. Sc. (Econ.) Tuula Kinnunen, Turku School of Economics and Business Administration, Rehtorinpellonkatu 3, SF-20500 Turku, Finland. Tel.: (358) (21) 63 83 304, tel. home: (358) (21) 86 96 76, fax: (358) (21) 63 83 302, telex: 62310 tkkk sf, e-mail: tkinnunen@finabo.abo.fi.

Tuula Kinnunen

EWGs Annual Report

EURO Working Groups Annual Report

Multicriteria Aid for Decisions

COORDINATOR: Prof. Bernard Roy, LAMSADE, Université de Paris - Dauphine, Place du 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.

PURPOSE AND HISTORY: Multicriteria decision aid is an important branch of Operational Research. 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, in Spring and Autumn. The 36 meetings have been organized by 14 different countries and they led to make participate to the life of the group 641 different people.

NUMBER OF MEMBERS: 200. In 1975, the group consisted of 29 members divided into 5 different countries. Among the present members, 42 were already members in 1980. At this period, 23 countries were represented. During these last years, each meeting includes 5 to 20 new members (with an average of 13).

NEWSLETTER: 2 issues per year. Editor: Joao Climaco, INESC, Rua Antero de Quental 231 cv, P-3000 Coimbra, Portugal.

ACTIVITIES 1992:

- the 35th meeting: Chania, Greece, March 26-27, 1992. Organizers: Prof. Yannis Siskos and Constantin Zopounidis, Technical University of Crete, Department of Production Engineering and Management, Aghiou Markou Street, 73132 Chania, Crete, Greece.
- the 36th meeting: Luxembourg, Luxembourg, October 15-16, 1992. Organizer: Mr. Raymond Bisdorff, Centre de Recherche Public, Centre Universitaire, 162a, avenue de la Faiencerie, 1511 Luxembourg, Lux-

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embourg.

- the 37th meeting; Liège, Belgium, March 11-12, 1993. Organizer: Dr. Ing. Gérard Colson, Université de Liège, FEGSS, Bâtiment B.31, Bte. 50, B-4000 Liège, BELGIUM.

FUTURE PLANNED ACTIVITIES:

- the 38th meeting; Ispra, Italy, October 7-8 or 14-15, 1993. Organizer: Alexandre Zenié.

- the 39th meeting; Poznan, Poland, March 1994. Organizer: Roman Slowinski.

Fuzzy Sets / IFSA European Chapter

COORDINATOR: Dr. Hans Hellendoorn, Siemens AG, Dept. ZFE ST SN42, Otto-Hahn-Ring 6, W-8000 Munich 83. E-mail: hah@sm-aragd.zfe.siemens.de.

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, Germany. 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 Carlsson of Åbo 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 92: European Workshop on the Design and Analysis of Fuzzy Control, February 13-14, 1992. Chairman: Dr. Hans Hellendoorn. 120 participants from almost all European countries.

FUTURE PLANNED ACTIVITIES:

- Organization of a Workshop at the

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EUFIT'93 conference in Aachen, Germany.
 - Organization of a Workshop at the FLAI '93 in Linz, Austria.

OR Applied to Health Services

COORDINATOR: Dr. David Clayden, The United Leeds Teaching Hospitals NHS Trust, Information Services Directorate, Trust Headquarters, Leeds General Infirmary, LEEDS LS1 3EX, UK. Tel.: (44) (532) 31 68 01, fax: (44) (532) 31 66 53.

SECRETARY: Dr. Marek Lubicz, Institute of Organisation and Management, Technical University Wroclaw, Wybrzeze Wyspianskiego 27, 50-370 WROCLAW, POLAND. Tel.: (48) (71) 20 28 64, fax: (48) (71) 20 34 32 or 22 36 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, UK 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 inter-disciplinary 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 field 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 by establishing social relations. 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: 98 on the register from 20 countries, 61 members have a continuing involvement and attend the annual meetings.

NEWSLETTER: Two issues per year. Editor: Marek Lubicz, see the address above.

ACTIVITIES 92: Conference on Systems Science: Prague Czechoslovakia, from June 23 to July 3, 1992.

EWGs Report (continued)

37 members attended the 18th meeting of the WG in Konstanz, Germany, from July 26 to 31, 1992.

FUTURE PLANNED ACTIVITIES: The 19th meeting; Brighton, England, July 25-31, 1993. The theme will be "Decision Support for Health".

EUROBANKING special interest group

COORDINATOR: Mr. Robert Park, Secretary General, Human Resources and Strategic Development, National Westminster Bank plc, 41, Lothbury, London EC2P 2BP, United Kingdom. Tel.: (44) (71) 72 61 322, fax: (44) (71) 72 61 304.

PURPOSE AND HISTORY: The European Working Group on EUROBANKING Operational Research in Banking was set up in Brussels in January 1975 at the EURO I Conference sponsored by the International Federation of O. R. Societies.

The purpose of the group is for OR practitioners to exchange and stimulate ideas about the techniques, experience, philosophy and application of O. R. 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 one

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.

NUMBER OF MEMBERS: Over 100.

FUTURE PLANNED ACTIVITIES: Meeting in Slovenia, May 1993; meeting in Swindon, England, 1994.

Locational Analysis

COORDINATOR: Prof. Christian Michelot, Université de Bourgogne, Laboratoire d'Analyse Numérique, BP 138, F-21004 DIJON CEDEX, FRANCE. Tel.: (33) (80) 39 58 73, fax: (33) (80) 39 58 69, e-mail: michelot@satie.u-bourgogne.fr.

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

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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/her work, to participate in the discussions, or more simply to learn about the subject may join the group; his/her 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.

NUMBER OF MEMBERS: About 80.

ACTIVITIES 92: The 6th meeting; April 21-24, 1992, Tenerife, Spain. Organizer: Jose Moreno Perez, Dep. Estadística e Investigación Operativa, Facultad de Matemáticas, Universidad de la Laguna, 38271 La Laguna, Tenerife, Spain.

FUTURE PLANNED ACTIVITIES: The 7th meeting; September, 1993. Organizer: Ken Rosing, University of Rotterdam, The Netherlands.

ESIGMA - EURO Summer Institute Group on Multicri- teria Analysis

COORDINATOR: Prof. Carlos A. Bana e Costa, CESUR - IST, Av. Rovisco Pais, P-1096 LISBOA, PORTUGAL. Tel. (351) (1) 80 97 05 or (351) (1) 80 95 80, fax: (351) (1) 80 98 84, telex: 63423 ISTUTL-P.

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

EWGs Report (continued)

(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: 250

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

ACTIVITIES 92: The 7th meeting, June 28, 1992, Helsinki, Finland.

FUTURE PLANNED ACTIVITIES: The 8th meeting, Lisbon, July 11, 1993. Information: Carlos A. Bana e Costa, see the address above.

Project Management and Scheduling

COORDINATOR: Prof. L.V. Tavares,

CESUR-IST, Av. Rovisco Pais, P-1096 LISBON, PORTUGAL. Tel.: (351) (1) 80 97 05 or (351) (1) 80 95 80, fax: (351) (1) 80 98 84, telex: 63423 ISTUTL-P.

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 by J. Carlier in Compiègne, France in 1990.

NEWSLETTER:

NUMBER OF MEMBERS: 150.

ACTIVITIES 92:

- The 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.
- Refereeing selected papers

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presented at the 2nd international Workshop on Project Management and Scheduling, Compiègne, June 1990. A special issue of EJOR (vol. 64, N° 2, January 1993, pp. 153-325) was published as a result of this process.

FUTURE PLANNED ACTIVITIES:

- Refereeing process is being carried out to publish another special issue of EJOR based on the papers presented at the 3rd international Workshop.
- The 4th international Workshop on Project Management and Scheduling, Leuven, Belgium, July 12-15, 1994, Organizer: W. Herroelen, Dept. of Applied Economics, Katholieke Universiteit Leuven, Dekenstraat 2, B-3000 Leuven, Belgium. Tel.: (32) (16) 285770, fax: (32) (16) 284527.

Financial Modelling

COORDINATOR: Prof. Dr. Jaap Spronk, Erasmus University Rotterdam, P.O. Box 1738, NL-3000 DR Rotterdam, The Netherlands. Tel.: (31) (10) 40 81 282, fax: (31) (10) 45 26 399.

PURPOSE AND HISTORY: The EURO Working Group on Financial Modelling was founded in September 1986 in Lisbon. The primary field of interest for the working group can be described as "financial models that help to solve problems faced by financial managers in the firm". From this the

following objectives of the working group are distinguished:

- providing an international forum for exchange of information and experience on financial modelling;
- encouraging research in financial modelling (new techniques, methodologies, empirical studies, software, etc.);
- stimulating and strengthening the interaction between financial economic theory and the practice of financial decision making;
- cooperating and exchanging information with other universities and financial institutions throughout Europe.

The meetings of the working group are organized twice a year, in April and in November. Earlier meetings were held in Belgium, Finland, Italy, the Netherlands, United Kingdom and Germany. The meetings are attended by 80-100 members on average, most of them scientists but also representatives from the financial institutions, and are usually organized on Thursday, Friday and Saturday morning. The organizers are expected to schedule three types of sessions: a round table session with invited speaker(s), regular sessions with the presentation of refereed papers and balloon sessions in which unrefereed papers, new topics and "loose" ideas can be discussed.

NUMBER OF MEMBERS: About 400 members from 24 different countries (of which approximately 100 members constitute the more "active kernel" of the group).

EWGs Report (continued)

NEWSLETTER: The newsletter of the working group, called NEWSFLOW, is published twice a year, one month before each meeting. It contains general information about the working group, information about the next meeting(s), abstracts of papers of the next meeting, letters from readers, announcements of financial seminars, calls for papers, a list of working papers, etc.

ACTIVITIES 92: The April meeting was organized by Prof. L. Peccati (University of Turin, Italy) and the November meeting by prof. M. Virén (Turku School of Economics and Business Administration, Finland).

FUTURE PLANNED ACTIVITIES: The next meeting will be held in Nicosia and Paphos, Cyprus, April 28 - May 1, 1993 and is organized by Prof. Stavros A. Zenios. The November meeting will be organized by Prof. Erio Castagnoli.

ECCO - European Chapter on Combinatorial Optimization

COORDINATOR: Prof. Catherine Roucairol, Université de Versailles & INRIA, Laboratoire MASI, 45 avenue des Etats Unis, F-78000 Versailles. Tel.: (33) (1) 39 97 20 88 or (33) (1) 39 63 54 80, fax: (33) (1) 30 97 20 57 or (33) (1) 39 63 53 30, e-mail: roucairol@masi.lbp.fr or roucairol@seti.inria.fr.

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. Rinnooy 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: Approximately 350/ 100 at each meeting.

ACTIVITIES 92: The 5th meeting; Graz, Austria, April 13-15, 1992, Organizer: Prof. Rainer Burkard, Institut für Mathematik, Technische Universität Graz, Kopernikusgasse 24, A-8010 Graz, Austria. Tel.: (43) (316) 873 7125, e-mail: burkard@kop.tu-graz.ada.at.

FUTURE PLANNED ACTIVITIES: The 6th meeting; Bruxelles, Belgique, April 26-28, 1993. Organizer: Prof. Martine Labbé, CEME CP B9, Université libre de Bruxelles, 50 avenue F.D. Roosevelt, B-1050 Brussels, Belgium. Tel.: (32) (2) 65 03 836, fax: (32) (2) 65 04 012, e-mail: mlabbe@ulb.ac.be, bitnet: mlabbe@bbrbfu60.

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Decision Support Systems

COORDINATOR: Prof. Tawfik Jelassi, INSEAD, Boulevard de Constance, F-77305 FONTAINEBLEAU, FRANCE. Tel.: (33) (1) 60 72 40 17, fax: (33) (1) 60 72 40 49 or (33) (1) 60 72 42 42, e-mail: jelassi%freiba51.bitnet@finhutc.hut.fi

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 Participants 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 MEMBERS: 75

NEWSLETTER: EuroDSS. Editor: Albert A. Angehrn, INSEAD, Bld de Constance, F-77305 Fontainebleau, France. Tel.: (33) (1) 60 72 40 00, fax: (33) (1) 60 72 42 42.

ACTIVITIES 92: The 3rd meeting; Nagycenk, Hungary, March 19-22. Organizer: Andras Edelmayer, Hungarian Academy of Sciences.

FUTURE PLANNED ACTIVITIES: The 4th meeting; Sintra, Portugal, July 8-11, 1993. Organizer: Antonio Rodrigues, Depto. Estatística e Investigação Operacional, Faculdade de Ciências - Universidade de Lisboa, Bloco C2, Cidade Universitária, P-1700 Lisbon, Portugal. Fax: (351) (1) 75 77 687.

Urban Traffic and Transportation

COORDINATOR: Dr. Maurizio Bielli, Institute of Systems Analysis and Informatics, National Research Council, Viale Manzoni 30, I-00185 ROME, ITALY. Tel. (39) (6) 77 161, fax: (39) (6) 77 16 461.

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 experi-

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ences 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: 85

NEWSLETTER: A formal newsletter has not been edited till now, but the EURO Bulletins have been regularly mailed to members together with information about scientific events and activities concerning the fields the group is interested in.

ACTIVITIES 92:

- Editing the Special Issue of EJOR on Urban Traffic Management.
- The 1st meeting; Landshut, Munich, Germany, October 1-3, 60 participants participated and 25 papers were presented. The organizers are now publishing the Proceedings.
- IFORS 1993: organization of an Invited Session on Urban Traffic Management.

FUTURE PLANNED ACTIVITIES:

- The 2nd meeting; Paris, France, September 15-17, 1993. Organizers: Dr. F. Boillot, Dr. N. Bhouri, Dr. Ing. F. Leurent, INRETS, 2 avenue du Général Malleret-Joinville, F-94114 Arcueil Cedex, France, tel.: (33) (1) 47 40 70 00, fax: (33) (1) 45 47 56 06.
- Cooperation in the organization of the EURO 13 Conference in Glasgow, July 19-22, 1994, Super Stream Location-Transportation-Logistics, with the choice of Organizers of Invited Sessions and of Tutorials/Research Reviews.
- Cooperation in the organization of the IFAC-IFORS-IFIP Conference on Transportation Systems, China, July 1994.

EWGs Annual Report (continued from page 13)

Information Systems

COORDINATOR: Prof. Georgios I. Doukidis, Athens University of Economics and Business, Department of Informatics, 76 Patission Street, GR-104-34 ATHENS, GREECE. Tel. (30) (1) 82 33 523, fax: (30) (1) 82 26 204, 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). The 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 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).

FUTURE PLANNED ACTIVITIES:

- The 1st European Conference on Information Systems, Henley on Thames, UK, March 29-30, 1993. The group has played an active role in organizing this Conference. Prof. Doukidis and other members of the Study Group Committee are part of the Programme Committee and Dr. Whitley is also the Programme Chairman. They have accepted about 40 papers and they are expecting a good number of participants from all over Europe. The main organizers are the Operational Research Society and the Association of Information Technology. At the Conference they will have an open meeting as an Information Systems WG and they will try to attract more people to become members of the group. Information about the Conference can be obtained either from Prof. Doukidis or from Dr. Edgar Whitley at the London School of Economics, fax: (44) (71) 9557385.

- Information Systems sessions at IFORS 93, Lisbon, Portugal, July 12-16, 1993. The working group has organized also three special sessions on Information Systems for IFORS 93 in Portugal. They have 11 papers in 3 Sessions with the following titles: Information Systems and Business, Operational Research and Information Systems, and Information Systems and Expanding Horizons. The working group will organize also a round table discussion about the future research directions of Information Systems within the OR community. More information: Prof. Doukidis or Dr. Tony Cornford at the London School of Economics, fax: (44) (71) 9557385.

EURO EC Meeting

EURO EXECUTIVE COMMITTEE MEETING

The last EURO Executive Committee Meeting have been held at Versailles on 15 and 16 January 1993. The attending EURO Officers were: J. Bovet, T. Kinnunen, C. Pappis, C. Roucairol, M. Shutler and J. Spronk.

It is not intended to comment on all items of the seven pages agenda of the EURO Executive Committee Meeting but to report about a few points.

The need for EURO to work out a strategy was pointed out. People of INSEAD will be approached in order to see if they could assist in working out a strategy. Furthermore each member of the EURO Executive Committee should send to our President proposals on this subject, who will then send to the EC members general and concrete proposals on that matter.

It is agreed to plan a brain-storming session of the EC at Lisbon, on new initiatives, noting that among important strategic matters for EURO were the EURO Working Groups and connections with member societies and their representatives.

A proposal was introduced for subsidizing conferences in Eastern and Central Europe jointly organized by two EURO member societies. This

proposal include the idea that each speaker could also meet local managers in an advisory capacity.

Tuula Kinnunen is now in charge of the Young EURO Conference or «EURO Prime» Conference. The first EURO Prime Conference will be held in 1996.

A new EURO EC slogan will appear on the cover page of the EURO Bulletin, i.e. «promoting in Europe the interchange of practice in OR management sciences and systems».

Schedule of leading articles for 1993 and Spring 1994 EURO Bulletin issues is:

- Spring 93: T. Kinnunen on EWGs;
- Summer 93: J. Bovet on EURO financial management;
- Fall 93: C. Pappis article;
- Winter 93: J. Spronk on aspects of applications and new EURO publications;
- Spring 94: C. Roucairol on super computing and OR.

C. Pappis will present at the next Council a proposition about a publication dealing with «OR programmes in Europe, a handbook» (eg where, who teaches OR in Europe, list of available courses).

Ph. Van Asbroeck

Liège, Belgium, Dec. 1993

EURO Mini Conference on RISK MANAGEMENT

This Specialized Conference is organized by EURO as a Euro Mini Conference. This conference is promoted and supported by A.E.A.I. (European Risk Management Association) and by the Belgian Branch of this Association: BELRIM (Belgian Risk Management Association)

Held in Liège, Belgium, the Conference will be devoted to all methodologies, cases studies, practical and theoretical advances in the field of Risk Management, broadly accepted as a process, as a set of tools, as a set of practices. This conference will cover classical topics like Corporate Risk Management, Risk Analysis, Risk Reduction (Loss prevention and Loss Control), Risk financing technics and tools (Insurance and other financing instruments). Also will be included related topics like Financial Risk Management, Credit Management, Country Risk, Hazardous Transportations, crisis Management, Contingency and Emergency Planning.

The purpose is to make a bridge between private and public practitioners concerns and research in the field, by proposing a forum of discussions, conferences and meeting opportunities.

The Conference will be in English and members will be limited to 250 participants.

Call for Papers: Papers or propositions of conferences related to all the mentioned topics are encouraged when coming from public or private sectors and from the scientific community. Best papers will be published in two International Journals

(Math & Comp. Model, Geneva Papers.), the referee process being initiated at the Conference.

Software exhibition: Interested individuals, Research Laboratories, Professional Companies, Government Agencies are encouraged to submit proposal for Software Demonstrations.

Deadline for Abstracts (papers presentations and software demonstrations): Abstracts of 200-300 words (one page only) should be sent, stating clearly the author(s) name(s) and mailing address **before May 31, 1993.**

Information: Prof. Dr. Ing. G. Colson, EURO, Université de Liège Bâtiment B31, Bte 50, B-4000 Liège, Belgium (Fax: 32 41 56 29 83, Tel.: 32 41 56 31 88, secretary: 32 41 56 27 21.

CONFERENCE COMMITTEE:

Chairmen: G. COLSON (B), D. BERTAUX (Cockerill - Sambre, Risk Manager, B); Members: A. BORGHESI (I), J.-P. BRANS (B), A. CORHAY (B), M. DESPONTIN (B), M.-G. DEQUAE (Beckaert, Risk Manager, B), L. EECKHOUDT (B), R. GAUTIER (IMR, F), O. GIARINI (CH), C. GOLLIER (F), G. LAMAND (IFRIMA, F), A. LEYTENS (Risk Management Consultant, B), H. LOUBERGE (CH), B. MARESCHAL (B), P. PESTIEAU (B), M. ROUBENS (B), F. SETTEMBRINO (A.E.A.I., BELRIM, B), J. SPRONK (EURO, NL).

Registration Fees:

Tutorial: Before November 1, 1993: U\$ 100, After: U\$ 150; Conference: Before November 1, 1993: U\$ 200, After: U\$ 250; Tutorial and Conference: U\$ 250, After: U\$ 300.

Present section was closed on 31 March, 1993, «*» denotes information featured previously.

April 26-28, 1993

* **ECCO VI Conference of the European Chapter on Combinatorial Optimization**, Brussels, Belgium;
Information: Dr. Martine Labbé, CEME CP B9, Université Libre de Bruxelles, 50 av. F. D. Roosevelt, B-1050 Brussels, Belgium (tel.: +32 2 650 3836, fax: +32 2 650 4012, email: MLABBE@BBRBFU60);

April 27-29, 1993

Seminar on Commercial Dimensions of Parallel Computing, London, UK;
Information: UNICOM Seminars, Brunel Science Park, Cleveland Road, Uxbridge, Middlesex, UB8 3PH, UK (tel.: 0895 256 484, fax: 0895 813 095);

April 28, 1993

Symposium on Financial Modelling, Nicosia, Cyprus;
Information: S. A. Zenios, The Wharton School, Decision Sciences Department, Philadelphia, PA 19104-6366, USA (tel.: +1 215 898 6727, fax: +1 215 898 3664);

April 29 - May 1, 1993

EWG on Financial Modelling 13th Meeting, Pathos, Cyprus;
Information: S. A. Zenios, The Wharton School, Decision Sciences Department, Philadelphia, PA 19104-6366, USA (tel.: +1 215 898 6727, fax: +1 215 898 3664);

May, 1993

EUROBANKING Special Interest Group EWG Meeting, Slovenia;
Information: R. Park, Secretary General, Human Resources and Strategic Development, National Westminster Bank plc 41, Lothbury, London EC2P 2BP, UK (tel.: 44 71 72 61 322, fax: 44 71 72 61 304);

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,

EVENTS

Technical University of Crete, 73132 Chania, Crete, Greece, (tel.: 30-821-59627, fax: 30-821-42176);

May 4, 1993

* **LAMSADE Seminar on «the effect of attribute ranges on weights in multi-attribute utility measurements»** with Martin Weber, Paris, France;

Information: Université Paris Dauphine, LAMSADE, Place du Maréchal De Lattre de Tassigny, F-75775 Paris CEDEX 16, France (tel. +33 1 44 05 4288, fax +33 1 44 05 40 91);

May 5, 1993

* **LAMSADE Seminar on «méthodes primales-duales de point intérieur en programmation linéaire»** with C. Gonzaga, Paris, France;

Information: Université Paris Dauphine, LAMSADE, Place du Maréchal De Lattre de Tassigny, F-75775 Paris CEDEX 16, France (tel. +33 1 44 05 4288, fax +33 1 44 05 40 91);

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);

May 24-28, 1993

13th International Conference on Artificial Intelligence Expert Systems Natural Language, Avignon, France;

Information: EC2, 269 rue de la Garenne, F-92024 Nanterre Cedex, France;

May 25-27, 1993

* **CORS 93 SCRO Conference**, Halifax, Canada;

Information: J. Pemberton Cyrus, Department of Industrial Engineering, TUNS, PO box 1000, Halifax, N.S. B3J 2X4, Canada (fax +1 902 420 7858);

May 27-28, 1993

15th Symposium on Mathematical Programming With Data Perturbations, Washington DC, USA;

Information: A. V. Fiacco, The George Washington University, Washington DC 20052, USA (tel.: +202 994 7511);

June 2-4, 1993

* **International Conference on Industrial Engineering and Production Management**, Mons, Belgium;

Information: Conference Secretariat, FU-

CaM, Ch. de Binche 151, B-7000 Mons, Belgium (tel. +32 65 32 32 17, fax +32 65 31 56 91);

June 2-5, 1993

* **Colloquium on «Decision Making: Towards the 21st Century»**, Madrid, Spain;

Information: Sixto Rios (fax: +34 1 532 5716, email: DMXXI@FI.UPM.ES);

June 8-10, 1993

* **AFCEC'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);

June 9-12, 1993

* **13th International Symposium on Forecasting**, Pittsburgh, PA, USA;

Information: Dr. A. B. Koehler, Dept. of Decision Sciences, Miami Univ., Oxford, OH 45056, USA (fax: +513 529 6992, email: ISF93@MIAMI.ACS.MUOHIO.EDU);

June 11-12, 1993

Nordic Operations Research Conference, Trondheim, Norway;

Information: SEVU, Congress Department, N-7034 Trondheim, Norway (tel.: +47 7 59 52 47, fax: +47 7 51 72 26, E-mail: noas93iok.unit.no);

June 13-18, 1993

International Symposium on Aviation Modelling, Washington DC, USA;

Information: System Resource Management Inc. (SRM), P.O. Box 2005, Silver Spring, MD 20915, USA;

June 14-16, 1993

2nd International Conference of the Decisions Sciences Institute, Seoul, Korea;

Information: Decisions Sciences Institute, College of Business Administration, University Plaza, Georgia State University, Atlanta GA-30303, USA;

June 15-18, 1993

* **15th International Conference on Information Technology Interfaces**, Pula, Croatia;

Information: Branka Radic, University Computing Centre, J. Marohnica bb. 41000 Zagreb, Croatia (tel.: +38 41 518 656, fax: +38 41 518 451);

June 15-18, 1993

* **3rd International IMACS Workshop on Qualitative Reasoning and Decision Technologies**, Barcelona, Spain;

Information: Prof. Nuria Puiera, Universitat Politècnica de Catalunya, Department de Matemàtica Aplicada II, c/ Pau Gargallo 6, E-08028 Barcelona, Spain;

June 16-18, 1993

* **Conference on Applied Probability in Engineering, Computer and Communication Sciences**, Paris, France;

Information: François Baccelli, INRIA Sophia Antipolis, 2004 route des lucioles B.P. 93, F-06902 Sophia Antipolis Cedex, France (tel. +33 93 65 77 99, fax +33 93 65 78 58, email baccelli@sophia.inria.fr)

June 17-18, 1993

MODULAD Meeting on «applications industrielles de l'analyse des données», Trégastel, France;

Information: Journées MODULAD C.N.E.T. LAA/SLC/EVP, Madame M. Nguyen, B.P. 40, F-22301 Lannion, France (tel.: 16 96 05 31 77, 16 96 05 28 68, fax: 16 96 05 39 45, 16 96 05 32 86);

June 17-23, 1993

ISOLDE VI 6th International Symposium on Locational Decisions, Lesvos, Greece;

Information: Dr. T.B. Boffey, Department of Statistics and Computational Mathematics, University of Liverpool, PO Box 147, Liverpool L69 3BX;

June 21-24, 1993

* **EuroPIA '93 Conference on the Application of Artificial Intelligence, Robotics and Image Processing to Civil Engineering, Building Engineering, Architecture, Urban Design and Urban Planning**, Delft, The Netherlands;

Information: EuroPIA '93 Conference Secretariat, Poo - k.2.24 Faculty of Civil Engineering, Delft University of Technology, Stevinweg 1, NL-2628 Delft, The Netherlands (tel. +31 15 78 48 93, fax +31 15 78 52 63);

June 22-24, 1993

* **23th International Symposium on Fault Tolerant Computing**, Toulouse, France;

Information: Marie Thérèse Ippolito, LAAS CNRS, 7 Avenue du Colonel Roche, F-31077 Toulouse, France (fax +33 61 55 35 77);

July 6-9, 1993

* **6th International Workshop on Computed Aided Scheduling of Public Transport**, Lisboa, Portugal;

Information: 6th Workshop, DEIO Faculdade de Ciências, Universidade de Lisboa, Bloco C/2 Campo Grande, Cidade Universitária, P-1700 Lisboa, Portugal (tel. +1 397 8313, fax +1 397 8308, email paixao@UL.PT);

July 8-11, 1993

* **4th Meeting of EWG "Decision Support Systems"**, Lisboa, Portugal;

Information: A. Rodriguez, Centro de Estática e Aplicações da Universidade de Lisboa, Av. 24 Julho 134 /5, P-1300 Lis-

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boa, Portugal;

July 11, 1993

ESIGMA EURO Summer Institute Group on Multicriteria Analysis Meeting, Lisboa, Portugal;

Information: C. A. Bana e Costa, CESUR - IST, Av. Rovisco Pais, P-1096 Lisboa, Portugal (tel.: +351 1 80 97 05 or +351 1 80 95 80, Fax: +351 1 80 98 84);

July 12-16, 1993

* **IFORS XIII on OR: Expanding Horizons**, Lisboa, Portugal;
Information: IFORS '93 Secretariat, Faculdade de Economia, Universidade Nova de Lisboa, Travessa Estevao Pinto, P-1000 Lisboa, Portugal (fax +351 1 387 1105);

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);

July 21-25, 1993

* **22nd Conference on Statistics Processes and their Applications**, Amsterdam, The Netherlands;
Information: SPA'92 c/o CWI, P.O. Box 4079, NL-1009 AB Amsterdam, The Netherlands;

July 24 - August 7, 1993

* **9th EURO Summer Institute on Hierarchical Planning**, Mannheim, Germany;
Information: Prof. Dr. Ch. Schneeweiss, University of Mannheim, Schloss, D-6800 Mannheim, Germany (tel. +621 292 5413, fax +621 292 1270);

July 25-31, 1993

19th OR Applied to Health Services EWG Meeting on "Decision Support for Health", Brighton, UK;
Information: Dr. D. Clayden, The United Leeds Teaching Hospitals NHS Trust, Information Services Directorate, Trust Headquarters, Leeds General Infirmary, Leeds LS1 3EX, UK (tel.: 44 532 31 68 01, fax: 44 532 31 66 53);

July 27-30, 1993

ORAI'S'93 ORS IFIP Conference, London, UK;
Information: OR Society, Neville House, Waterloo Street, Birmingham B2 5TX, UK (tel.: +21 643 0236, fax: +21 631 3485);

August 23- 27, 1993

* **XIII World conference of World Futures Studies Federation on Coherence and Chaos in our Uncommon Futures, Visions, Means, Actions**, Turku, Finland;
Information: Prof. Pentti Malaska, WFSF Secretariat, Turku School of Economics, Rehtorinpellonkatu 3, SF-20500 Turku, Finland (tel. +358 21 638 3310 or 638 3360, fax +358 21 330 755, email pmalaska@utu.fi);

August 24-27, 1993

* **2nd International Conference on Systems Science and Systems Engineering**, Beijing, China;
Information: Prof. W. M. Zheng, ICSSSE '93 Secretariat, School of Economics and Management, Tsinghua University, Beijing 100084, China;

August 24 - September 1, 1993

XXIInd International Population Conference, Montreal, Canada;
Information: B. Remiche, IUSSP, 34 rue des Augustins, B-4000 Liège, Belgium (fax: +32 41 22 38 47);

August 25-27, 1993

* **DGOR-NSOR joint annual Conference**, main topic: **International distribution and logistics**, Amsterdam, The Netherlands;
Information: DGOR Office, An Steinknapp 14b, D-4630 Bochum 1, Germany (tel +49 234 462 246, fax: +49 234 462 245) or Prof. Dr. Henk C. Tijms, Faculty of Economics, Vrije Universiteit, De Boelelaan 1105, NL-1081 HV Amsterdam, The Netherlands;

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, Penn. 15312, USA;

August 30, 1993

Workshop on Artificial Economics, Chambéry, France;
Information: S. Margarita, Università di Torino, Istituto di Matematica Finanziaria, Piazza Arbarello 8, I-10122 Torino, Italy (tel.: +39 11 546 805, fax: +39 11 544 004);

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);

September, 1993

7th Locational Analysis EWG Meeting, Rotterdam, The Netherlands;

Information: C. Michelot, Université de Bourgogne, Laboratoire d'Analyse Numérique, BP 138, F-21004 Dijon, France (tel.: 33 80 39 58 73, Fax: 33 80 39 58 69, E-mail: michelot@satie.u-bourgogne.fr)

September 1-3, 1993

* **18th Symposium über Operations Research**, Köln, Germany;
Information: SOR 93, Institut für Informatik, Universität zu Köln, Pohlstr. 1, D-5000 Köln, Germany (fax: +49 221 3671 117, email: SOR93@INFORMATIK.UNI-KOELN.DE);

September 7-10, 1993

10th International Symposium on Military Operational Research, UK;
Information: Prof. R.W. Shephard, Royal Ordnance FSG, PO Box 243, Shrivenham, Swindon, Wilts SN6 8QD, UK);

September 7-10, 1993

* **1st European Congress on Fuzzy and Intelligent Technologies**, Aachen, Germany;
Information: ELITE Foundation, Prof. Dr. h.c. H.-J. Zimmermann, Scientific Director, Korneliuscenter, Promenade 9, D-Aachen, Germany (tel. +49 24 08 69 69, fax +49 24 08 9 45 82);

September 13-17, 1993

* **4th European Software Engineering Conference**, Garmisch, Germany;
Information: Prof. Dr. M. Paul, Institut für Informatik, Technische Universität München, Orleansstr. 34, D-8000 München 80, Germany (fax: +49 89 4809 5160);

September 15-17, 1993

2nd Urban Traffic and Transportation EWG Meeting, Paris, France;
Information: F. Boillot, N. Bhouri, F. Leurent, INRETS, 2 Av. du Général Malleret - Joinville, F-94114 Arcueil Cedex, France (tel.: +33 1 47 40 70 00, fax: +33 1 45 47 56 06)

September 29-30, 1993

* **CIRP-IFORS International Workshop on Designing Innovations in Industrial Logistics**, Capri, Italy;
Information: Dr. M. Bielli, National Research Council, Viale Manzoni 30, I-00185 Roma, Italy (tel.: +39 6 771 61, fax: +39 6 771 6461);

September 29 - October 1, 1993

* **Annual Conference of the Associazione Italiana di Ricerca Operativa on Innovation Management in Transportation and Logistic Systems**, (Models, Algorithms, Tools), Capri, Italy;
Information: AIRO '93 Secretariat, Dipt. di

EVENTS

Informatica e Sistemistica, Università di Napoli «Federico II», Via Claudio 21, I-80125 Napoli, Italy (tel. & fax +39 81 768 3376, fax +39 81 768 3186);

October 5-7, 1993

3rd Conference on Operational Research, Rovinj, Croatia;
Information: Vesna Kos, Ekonomski fakultet, Kennedyjev trg 6, 41000 Zagreb, Croatia (tel.: +38 41 231 111, fax: +38 41 235 633, E-mail: LUKA.NERALIC@UNIZG.AC.MAIL.YU);

October 7-8 or 14-15, 1993

38th EWG Meeting on Multicriteria Aid for Decisions, Ispra, Italy;
Information: Prof. B. Roy, Université Paris Dauphine, LAMSADE, Place du Maréchal De Lattre de Tassigny, F-75775 Paris CEDEX 16, France (tel. +33 1 44 05 4288, fax +33 1 44 05 40 91);

October 17-20, 1993

* International Conference on Systems, Man and Cybernetics, Systems Engineering in Service of Humans, Le Touquet, France;
Information: IEEE, SMC '93 Conference, Ecole Centrale de Lille, Boulevard Paul Langevin BP 48, F-59651 Villeneuve d'Ascq Cedex, France;

October 18-21, 1993

2nd Balkan Conference on Operational Research, Thessaloniki, Greece;
Information: HELLORS Macedonia-Thrace Branch, Att. I. Dardamanis, 25 Plataion Str., GR-54249 Thessaloniki, Greece (tel. & fax: +031 314 888);

October 20-22, 1993

European Conference on Regional Development induced by Innovation in High Technology, Patras, Greece;
Information: Prof. N. Zagouras, Division of Management & O.R., Department of Mechanical Engineering, University of Patras, GR-26500 Patras, Greece (fax: +30 61 997 260);

December 6-10, 1993

International Congress on Modelling and Simulation: Modelling Change in Environmental and Socioeconomic Systems, Perth, Australia;
Information: A. Jakeman, Cres, Australian National University, GPO Box 4, Canberra, ACT 2601, Australia (fax: +61 6 2490 757, E-mail: tony@cres.anu.edu.au);

December 13-15, 1993

4th EURO Mini Conference on Risk Man-

agement, Liège, Belgium;

Information: Prof. Dr. Ing. Gérard Colson, EURO, Université de Liège, Bâtiment B31, Bte 50, B-4000 Liège, Belgium (tel.: +32 41 56 31 88, +32 41 56 27 21, fax: +32 41 56 29 83);

January 11-14, 1994

9th Congress on «Reconnaissance des Formes et Intelligence Artificielle», Paris, France;
Information: AFCET, 156 bld. Péreire, F-75017 Paris, France (tel.: (1) 47 66 24 19, fax: (1) 42 67 93 12);

February 7-9, 1994

IFAC Workshop on Man - Environment Integration, The Challenging Relationship, Lisboa, Portugal;
Information: Prof. L. Valadares Tavares, APDIO - CESUR - IST, Av. Rovisco Pais, P-1000 Lisboa, Portugal;

March, 1994

39th EWG Meeting on Multicriteria Aid for Decisions, Poznan, Poland;
Information: Prof. B. Roy, Université Paris Dauphine, LAMSADE, Place du Maréchal De Lattre de Tassigny, F-75775 Paris CEDEX 16, France (tel. +33 1 44 05 4288, fax +33 1 44 05 40 91);

June 22-24, 1994

IFAC Workshop on Intelligent Manufacturing Systems, Wien, Austria;
Information: IFORS Secretariat, H. Weilling Secretary, c/o IMSOR bldg. 321, Technical University of Denmark, DK-2800 Lyngby, Denmark (tel. +45 42 88 14 33 / ext 3410, +45 42 88 22 22 / ext 3410, +45 45 93 12 22 / ext3410, fax: +45 42 88 13 97);

July, 1994

* Association Latino-Ibero-America de Investigación Operativa Conference, Santiago, Chile;
Information: Dr. Maximo Bosch, Departamento de Ingeniería Industrial, Universidad de Chile, Casilla 2777, Santiago, Chile (fax: +56 2 689 7896);

July 4-6, 1994

IFAC Symposium on Identification and System Parameter Estimation, Lyngby, Denmark;
Information: Prof. R. V. Vidal, IMSOR bldg. 321, Technical University of Denmark, DK-2800 Lyngby, Denmark (tel. +45 42 88 14 33 / ext 3410, +45 42 88 22 22 / ext 3410, +45 45 93 12 22 / ext3410, fax: +45 42 88 13 97);

July 12-15, 1994

4th International Workshop on Project Management and Scheduling, Leuven,

Belgium;

Information: Prof. Dr. Erik Demeulemeester, Prof. Dr. Willy Herroelen, Katholieke Universiteit Leuven, Department of Applied Economics, Dekenstraat 2, B-3000 Leuven, Belgium (tel.: +32-16-28 57 70 or 28 45 63 or 28 45 59, fax: 32-16-28 57 99, E-mail: fdbaa49@blekul11);

July 13-28, 1994

* 10th EURO Summer Institute on Combinatorial Optimization, Jouy-en Josas, France;
Information: Prof. Catherine Roucairol, Univ. Versailles - INRIA, Domaine de Voluceau, BP 105 Rocquencourt, F-78153 Le Chesnay Cedex, France (fax: +33 1 3963 5330);

July 19-22, 1994

* EURO XIII Conference, Glasgow, UK;
Information: EURO Secretariat;

July 26-28, 1994

IFAC Symposium on Transportation Systems: Theory and Applications of Advanced Technology, Tianjin, China;
Information: IFORS Secretariat, H. Weilling Secretary, c/o IMSOR bldg. 321, Technical University of Denmark, DK-2800 Lyngby, Denmark (tel. +45 42 88 14 33 / ext 3410, +45 42 88 22 22 / ext 3410, +45 45 93 12 22 / ext3410, fax: +45 42 88 13 97);

July 26-29, 1994

* Association of Asian-Pacific Operational Research Societies Conference, Fukuoka, Japan;
Information: Prof. Maso Iri, University of Tokyo, Tokyo, Japan;

August, 1994

* 11th International Conference on Multiple Criteria Decision Making, Coimbra, Portugal;
Information: J. Climaco, INESC, Rua Antero de Quental 231-CV, P-3000 Coimbra, Portugal;

1995

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