# EURO

# THE ASSOCIATION OF EUROPEAN OPERATIONAL RESEARCH SOCIETIES

WITHIN IFORS

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#### SEPTEMBER 1975

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#### **ACKNOWLEDGEMENTS**

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## 1. NEWS ABOUT EURO K

K=1. The Proceedings of the first European Congress on Operational Research, EURO I, which was held in Brussels on January 27-29, 1975 are now available. It is published by the North-Holland Publishing Company. The price is very low but a limited number of copies are available. If you are interested in these proceedings please fill in the order form on page 4 of this bulletin.

K=2. The second European Congress on Operational Research, EURO II, will be held in Stockholm on November 29-December 1, 1976. There will be plenary sessions, parallel sessions, interactive sessions and a paper fair. Everybody working in O.R. is invited to present a paper. Survey papers as well as special contributions from research and applications are welcome. Authors are requested to submit two copies of abstracts of approximately 200-300 words (typed single space on one page) in English to the following adress:

Professor Dr. Marc ROUBENS, EURO II, Faculté Polytechnique, 9, rue de Houdain, B-7000-MONS, BELGIUM

not later than February 1, 1976.

Papers will be selected by the Programme Committee on the basis of these abstracts. Authors will be notified not later than March 15, 1976 and will be requested to send complete papers not later than June 1, 1976. These papers will be refereed and proceedings of selected papers will be printed. Copies of the presented papers will be distributed to the participants.

# 2. NEWS ABOUT THE EURO ASSOCIATION

- Proposals of by-laws and statutes of the EURO association are under discussion. They have been submitted to the National Societies for ratification.
- The Council of Representatives of our association decided that a European Journal of Operational Research «EJOR» should be published. The first issue is scheduled for the end of 1976. For further information and call for papers see page 3 of this bulletin.

MEETINGS, CONFERENCES, CONGRESSES
 NOAK 75: The fifth Nordic Congress in Operations Research, Oslo, October 20-21, 1975.

Oslo Institute of Business Administration, Frysjaveien, 33C, Oslo 8, Norway.

Theme: Operations Research and Management. Call for papers: abstracts to be sent before April 15.

- The Swiss and the German O.R. Societies (SVOR) organize jointly their annual meeting in Bern on

September 17-19, 1975. Call for papers: Abstracts to be sent before May 15. Information: — SVOR Geschaftsstelle, Postfach 57, 3000 Bern 25, Switzerland.

 DGOR: Prof. H.J. ZIMMERMANN, Unternehmensforschung, Templergraben, 55, 51 Aachen, Germany.

 The Operational Research Society of Great Britain will hold its Annual Conference at Loughborough University on September 23-26.

Information: Prof. H.T. CLEWETT, Dept. of Engineering Production, University of Birmingham,

P.O. BOX 363, Birmingham B15 2TT.

The Society is also organising a one-day conference on «O.R. in Central Government» in London on Tuesday, 2nd December 1975 and a one-day seminar — also in London — on Thursday 4th December 1975, entitled «LP Software for Operational Research».

 The SOGESCI (Belgian O.R. Society) will hold a two-day conference on September 25-26, 1975 in the Sheraton Hotel in Brussels.

Theme: Distribution and Location Problems.

Information: Dipl. OK. Erik Engebretsen,

Information: Dr. L. KAUFMAN, V.U.B./C.S.O.O., Terhulpsesteenweg 166, B-1170 Brussels.

AIRO (Italian Society for O.R.): The Annual meeting will be held on November 19-21, 1975 in Milano.
 Call for papers: as soon as possible and complete paper not longer than 10 pages.
 Information: Prof. W. DE AMBROGIO, Unidata, via Fabio Filzi 25/A, I-20124 Milano-Italy. Tel. 25201.

The Finnish Operational Research Society provided us with information on the following seminars:

- Basis theory and systems

- Control theory

- System analysis of sewage systems

- Theory of hierarchical systems and production control

- Theory of search

- Systems models and simulation of socio-economic systems.

Information: Secretary of FORS: Mr. J. Salminen, Tietotehdas Oy 02610, Espoo 61, Finland.

 ISCOL: A Systems approach to problem solving. A source. From october 13-17, and February 2-6, 1976, Amsterdam.

Information: Mrs. Margot Grant, ISCOL Limited, University of Lancaster,

Lancaster LA 1 4YR, Great-Britain.

- The Hellenic O.R. Society (HELORS) has programmed the following seminars for October and December 1975:
  - Critical Path Method (CPM) and Progr. Evaluation and Revue Technique (PERT) (50h)

Cost Benefit analysis (50h)

- O.R. Solving transportation and Distribution Problems (50h)

O.R. in Marketing

Maintenance and Remplacement of Mechanical Equipment (50h)
 Optimization Problems by the Queuing theory and Simulation (40h)

Information: Prof. D.A. XIROKOSTAS. HELORS, 6, E. Venizelou Ave, Athens 134, Greece.

- The U.K. O.R. Society is running a one day conference on the use of O.R. by Central Government on December 2, 1975. Topics: Decentralization, transport, energy, health, education.
   Information: O.R. Society, Neville House, Waterloo Street, Birmingham B2 5TX.
- The O.R. Society of IRELAND will hold its annual Conference in Galway on November 13-15, 1975.
   Papers and visitors are welcome.

Information: Mr. M. BUTLER, Dept. of Public Service, 72/76 Stephen's Green, Dublin 2.

— AFCET Congrès 1975: Automatique et instrumentation à l'aube du dernier quart de siècle. Bilan et perspectives. Toulouse Novembre 4-6, 1975.

Information: AFCET, 156 Bd. Pereire, 75017 Paris, France.

The University of Sussex: Second International Research Conference on Operational Research, Stratford upon Avon, Engeand, April 12-15, 1976. 13 topics will be covered: Banking, Industrial Markets, Corporate planning, Environment, Finance, Health, Marketing, Transportation, Urban Planning, Government problems, Strategy...

Information: Mrs. Jean WHEELER, O.R. Mantell Building, University of Sussex, Brighton BN1 9RF, England.

— AFCET-SOGESCI meeting: The French and Belgian O.R. Societies will hold a joint conference on Multicriteria Analysis in Brussels in March, April or May 1976.

Information: Prof. B. ROY, AFCET, 156, Bd. Pereire, 75017 Paris, France or Prof. J.P. BRANS and Mr. VINCKE: VUB/ULB, Terhulpsestwg 166, B-1170 Brussels.

 AFCET 1976: «Dimensions de l'entreprise et forme de gestion», Congrès organisé du 17 au 19 mai 1976 à Paris. Call for papers: abstracts to be sent before September 15th, 1975.
 Information: AFCET, 156 Bd. Pereire, 75017 Paris, France.

# 4. WORKING GROUPS

O.R. and Energy Problems.

Information: P.N. Thompson, c/o O.R. Executive, National Coal Board, Cole ORTAN Hall, Cole Orton, Leics., England.

— EWADOM: Application of Dynamic Optimization Procedures to Management Problems. Information: Professor Dr. Ch. Schneeweiss, Freie Universität Berlin, 1 Berlin 33, Thielallee 66.

Multicriteria Decision Making. Information: Prof. Dr. B. Roy, c/o SEMA, 16-20, rue barbés, 92128 Montrouge, France Prof. M. Roubens, Faculté Polytechnique de Mons, rue de Houdain, 7000 Mons, Belgium. Next meeting: October 15, 1975, Faculté Polytechnique de Mons, Belgium. Fuzzy sets. Information: Prof. H.J. Zimmermann, Lehrstuhl für Unternehmensforschung, RWTH Aachen, D-51, Aachen, Templergraben. On Tuesday, August 26, 1975 the second meeting of the European Working Group on Fuzzy Sets took place in the framework of the International Congress of Cybernetics and Systems in Bucharest, Romania. The meeting was attended by approximately 60 persons for a major part from European Socialist countries. It seemed appropriate that first the goals and the organisational set-up of IFORS, the

EURO-association and the function of the European Working Groups were explained. After a rather detailed state-of-the-art report by Prof. Zimmermann the following points were discussed:

Future Activities and Research Efforts

Ways of Improving East-West communication in the area of Fuzzy Sets-Theory and Applications. (There seems to be high interest in fuzzy sets and quite a number of researchers working in this area in the European eastern countries)

Next meeting:

In the framework of the Conference of Systems and Cybernetics. April 1976 - Vienna. New Journal of Fuzzy Mathematics - Theory and Applications : The first issue is scheduled for the end of 1976. Papers for the time being to be sent to Prof. Zimmermann.

IBRO - O.R. in Banking.

Information: P.G. Hirsch, Interbank Research Organisation,

Moor House, London Wall, London EC2Y 5ET, Great-Britain.

The first meeting took place on April 10-11, 1975 in London.

The meeting successfully met its objectives with lively exchanges of views between delegates from 28 banking organisations in ten countries (France, Germany, Italy, Belgium, Holland, Switzerland, Scandinavia and British Isles). A list of participants, some papers and a report of the meeting are available.

O.R. Applications in Health Services. Information: D. Boldy, University of Exeter, Dyden Road EX2 5AE, Institute of Biometry and Community Medicine, Bowmoor House, Exe Vale Hospital, Great-Britain.

O.R. in Regional and Urban Planning.

Information: Prof. Dr. B. Dejon, Universität Erlangen, 852 Erlangen, Egerlandstr. 13.

Next meeting: September 1975, Bern.

Educational Problems in O.R.

Information: M. Merlino, c/o Praxis Calcolo, 20122 Milano, Via Visconti di Modrone 32.

Information: M.F. Shutler - Civil Service Department, White Hall London SW 1A 2AZ. The first meeting was held in Rome on July 21. Papers were presented on Control in the Fire Service, on Forecasting of the State Treasury, on Resource Allocation in Government and Financial Planning Models for New Towns. Documentation is available. The next meeting will be held in January 1976 (second week).

## 5. PUBLICATIONS

After extensive discussions in the Council of Representatives of the EURO association it was decided that a «European Journal of Operational Research» (EJOR) should be published. In the meantime agreement was reached with the North-Holland Publishing Company which will publish the Journal. The first issue will be ready by the end of 1976. Aims and Scope: The European Journal of Operational Research will be an international journal, serving primarily the professional interests of European O.R.-workers both in practice and theory. It wants to exploit the potential of operational researchers in all European countries and further improve the communication in the O.R.-community. The Journal will be a high-level professional journal, well balanced with respect to applications and theory. The Journal will be supported by an editorial organization, the members of which will not only be of high international reputation but also be in a position to actively stimulate potential authors to communicate their experience and research results to the Journal.

Editors : Alan Mercer (U.K.), Bernhard Tilanus (Netherlands), Hans-Jürgen Zimmermann (Germany) Editorial Board : Jean Abadie (France), Gordon Foster (Ireland), Jakob Krarup (Denmark), Heiner

Müller-Merbach (Germany), Dominique de Werra (Switzerland).

Call for Papers: Authors of articles within the scope of the Journal are invited to submit their papers to one of the following adresses:

Prof. Alan Mercer, Operational Research Department, University of Lancaster, Bailrigg House, Lancaster, U.K. - Dr. C.B. Tilanus, Department of Industrial Engineering,

Eindhoven University of Technology, P.O. Box 513, Eindhoven, The Netherlands.

Prof. Dr. H.J. Zimmermann, RWTH Aachen, Templergraben 64, 51 Aachen, Germany.

Papers should preferably be written in English and contain an abstract of about 200 words in English.

New Journal: «Journal of Computational and Applied Mathematics».

Principal Editors: J.P. Brans, J. De Kerf, M.J. Goovaerts, R. Piessens. Information and papers: Mr. F. Broeckx, Ruca, Middelheimlaan 1, B-2020 Antwerpen, Belgium.

The reprints of the following Congresses and Symposia are still available:

«Aide à la décision», AFCET, Paris, May 15-17, 1974.
«Project Management», INTERNET, Paris, September 30-October 1, 1974.

«Régulation du Traffic et Système de transport», IFAC, IFIP, IFORS, Monte Carlo, September 16-21,

Information: AFCET France, 156, Bd. Pereire, BP 571, 75826 Paris, Cedex 17, France. Combinatorial programming: Methods and applications.

B. Roy Editor. D. Reidel Publishing Company, 38 Papeterspad, Dordrecht, Holland. June 1975. (Proceedings of an Advanced Study Institute held in Versailles, September 2 to 13, 1974).

A new quaterly international Journal: Mathematics of Operations Research.
 Principal editors: A.F. Veinott Jr., R.J. Aumann, D.L. Iglehart, R.T. Rockaffelar.
 Papers to be sent to A.F. Veinott, Dpt. of O.R., Stanford University, Stanford, California 94305.

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ease send me the following number of copies of the Ei umber of copies	URO I proceedings. Price: 150 BF, 10 DM, 18 FF, 10 FL, 4 \$ a copy  Total amount
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#### 6. IFORS CORNER

Starting with EURO Bulletin n° 3 a corner will be opened for the International Federation of Operational Research Societies. This time Prof. H. Muller-Merbach sent us the following information.

#### The Federation

The International Federation of Operational Research Societies (IFORS) was founded in 1958. Its members are the national OR societies. The 27 members at present are the OR societies of Argentina, Australia, Belgium, Brazil, Canada, Denmark, Finland, France, Germany (Federal Republic), Greece, India, Ireland, Israël, Italy, Japan, Korea (Republic), Mexico, Netherlands, New Zealand, Norway, South Africa, Spain, Sweden, Switzerland, United Kingdom, United States of America, and Union of Soviet Socialist Republics. In addition, the four following institutions became kindred societies of IFORS: Airlines Group of IFORS (AGIFORS), Czechoslovak Economico Mathematical Commission (EMCO), the Mathematical Programming Society (MPS), and The Institute of Management Sciences (TIMS). The member societies and kindred societies of IFORS represent roughly 25,000 individual members.

The Association of European Operational Research Societies is the first regional grouping within IFORS and was founded by all the 15 European IFORS members.

# The Officers

The present officers of IFORS are:

President: Prof. T. Matsuda, Tokyo, Japan — Immediate Past President: Prof. A. Jensen, Lyngby, Denmark — Vice Presidents: Prof. J.H. Engel, Chicago, U.S.A. - Prof. H. Müller-Merbach, Darmstadt, Germany — Honorary Treasurer: Prof. R.H. Collcutt, Manchester, U.K. — Secretary: Mrs. M. Kinnaird, Solva, Wales, U.K.

# Seventh IFORS Conference

The 7th triennial International Conference on Operations Research (7th IFORS Conference) took place on July 17 - July 23, 1975, in Tokyo and Kyoto, Japan. The 307 delegates represented 37 countries. Among these were 156 delegates from Japan, 57 delegates from 15 European countries, 55 delegates from North America, 27 delegates from 10 countries of the Far East (other than Japan), and 12 delegates from 9 other countries. The main theme of this conference was «Operations Research in the Service of Developing Economies». In addition to twelve theme papers, several Workshops (at least partly) and various discussions at a Paper Forum were dedicated to this theme. Furthermore, roughly 25 National Contributions gave an impression of the state of the art and the current development of OR in those countries whose OR societies are members of IFORS.

The Proceedings of this conference will be available by January 1, 1976 from North-Holland Publishing Company, Amsterdam, The Netherlands. The editor is Prof. K.B. Haley.

# **Future IFORS Conferences**

The next two triennial IFORS Conferences will probably take place in Canada (1978) and the Federal Republic of Germany (1981).

# 7. MISCELLANEOUS

- Circle of HUMAN SYSTEMS MANAGEMENT: Information and a membership form can be obtained from: Prof. B. Roy, European Representative, SEMA, 16-20, rue Barbès, 92128 Montrouge, France.
- European Management Forum :

The European Management Forum is an independent, self-supporting non-profit foundation under the legal supervision of the Swiss Federal Government. Its mission is to provide a medium for the exchange of ideas, the encouragement of cooperation and the promotion of contacts among the European businessmen.

More information is available at the following address: 19, Chemin des Hauts Crêts, CH-1223 Cologny, Geneve.

# **NEXT BULLETIN**

- Members of O.R. Societies having information for the bulletin are requested to inform their national societies.
- The National Societies are requested to send their information to Professor J. Pierre BRANS, Vrije Universiteit Brussel, C.S.O.O., Terhulpsesteenweg 166, 1170 Brussels, Belgium. before November 15th.

  Thank you for your cooperation.