



NEWSLETTER

Operational Research Society of New Zealand (Inc.)

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Jonathan Lermitt ✉ Electricorp, P.O. Box 930, Wellington

Editor ✉ (04) 723-550

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Christmas Issue



Editorial

A new decade of opportunity for Operational Research

Being the numerate people that we are, we will all no doubt be celebrating the start of the new decade this January rather than last. It is therefore salutary to look forward to what OR will be able to achieve in the decade ahead. In this season of goodwill we should also think of the problems facing the nation and the significant role OR can play in alleviating some of them. It is not hard to think of areas where the introduction of OR techniques would be of advantage. Let us all do our part in bringing this about in the remaining decade of the millenium.

Prince & Princess of Wales Science Awards.

This scheme, run by the Royal Society of New Zealand, is to encourage young scientists by providing funds to assist attendance at conferences, etc. ORSNZ has donated \$150 to this worthy cause. Our younger members are encouraged to apply for grants. Details can be obtained from the Royal Society, Box 598, Wellington.

Merry Christmas and a happy new year.

International Events
Plan now to widen your Horizons



N.B. The editor has some extra details on these events if you are in a hurry to get further information.

First IFORS specialised conference
DECISION SUPPORT SYSTEMS
Bruges, Belgium

27 - 29 March 1991 (Tutorial - 26 March)

Contact: Prof J.P.Brans, IFORS SPC 1
VUB CSOO, Pleinlaan 2,
B-1050 Brussels
Belgium

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IFAC 9th Symposium on Identification and System Parameter Estimation
Budapest, Hungary

1-6 July 1991

Contact: Dr Margit Zierman
Levay u. 9/A
H-1022 Budapest
Hungary

TIMS XXX - SOBRAPO XXIII

Joint International meeting
The Institute of Management Sciences/Brazilian Society of OR
Rio do Janeiro

15-17 July 1991

Contact: Julie Eldridge
TIMS
290 Westminster St.
Providence RI 02903 USA

14th International Symposium on Mathematical Programming
Amsterdam, The Netherlands

5-9 August 1991

Deadline for abstracts: 1 June 1991

Contact address: Paulus Potterstraat 40
1071 DB Amsterdam
The Netherlands



The European Congress on Operational Research
EURO XI
Aachen, Germany

16-19 July 1991

“Operational Research methods for supporting high technologies in the
emerging Europe”

Contact: Prof. Dr H.J. Zimmermann
Operations Research
Templegraben 64, RWTH Aachen
5100 Aachen, Germany



14th International Symposium on Mathematical Programming
Amsterdam, The Netherlands

5-9 August 1991

Contact: 14th International Symposium on Mathematical Programming
Paulus Potterstraat 40
1071 DB Amsterdam, The Netherlands



APORS '91
2nd Conference of the Association of Asian-Pacific OR Societies
Beijing, China

27-30 August 1991

Contact: Prof Weiwu FANG
APORS '91 Secretariat
c/- Institute of Applied Mathematics
Chinese Academy of Sciences
P.O. Box 2734
Beijing 100080, China

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Performance Measurement for Manufacturing Excellence
2nd International Conference of the Belgian Production and Inventory
Control Society (PICS-Belgium)
Holiday Inn Crowne Plaza, Antwerp, Belgium

29 & 30 August 1991

Contact Vicky Mabin, AMG, DSIR, Box 1355, Wellington ☎ (04) 727-855, for
further details.

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15th IFIP Conference on System Modelling and Optimisation
Zürich, Switzerland

2-6 September 1991 Deadline for abstracts: 10 January 1991

Contact: Dr. K. Frauendorfer
Institute for Operations Research
University of Zürich
Moussonstrasse 15
CH-8044, Zürich, Switzerland

The editor is always pleased to receive news of event both in NZ and
overseas, but remember the publication deadlines, and get your copy ready
in plenty of time.

IFIP CAPE '91. Computer Application in Production and Engineering
Bordeaux, France
10-12 September 1991

Contact: CAPE '91 Conference Secretariat
Université de Bordeaux I
Laboratoire GRAI
351 Cours de la Libération
33405 Talence Cedex, France



IFAC Workshop on Support Systems for Decision and Negotiation Processes
Warsaw, Poland
24-26 June 1992

Contact: Dr. Zbigniew Nahorski
DNS '92
Systems Research Institute
Polish Academy of Sciences
Newelska 6
01-447 Warsaw, Poland



A Plea from the Treasurer

Please return those forms!

Subscription notices will be sent out shortly. Several members pay through their employer, which is fine, but I also need the subscription form back. Too many times I have received a cheque from an organisation, but with no record of who or what it is for. **SO PLEASE**, when arranging for your employer to pay the subscriptions etc, make sure that the appropriate form is also forwarded to me.

Rona N. Bailey
Hon Treasurer
ORSNZ

Deadline for copy for the March Issue - 15th March 1991

Victoria University of Wellington

Position No. 050

LIMITED TERM LECTURESHIP

INSTITUTE OF STATISTICS AND OPERATIONS RESEARCH

Applications are invited for a three year appointment in the Institute of Statistics and Operations Research from 1 July 1991. The successful applicant will be expected to have research interests and qualifications in Operations Research, Statistics or Financial Mathematics, and to play a full part in the Institute's teaching, research and consulting programmes. Preference will be given to applicants with research experience in some aspect of Operations Research.

The Institute offers undergraduate and postgraduate courses in Operations Research, Statistics and Financial Mathematics. Currently there are over 20 students in the Institute's postgraduate programmes. The Institute also has responsibility for maintaining active internal and external consulting programmes. Current research interests of ISOR staff include stochastic modelling and simulation, optimization and genetic algorithms, decision analysis, network and communications theory, queueing and reliability theory, time series and forecasting, multivariate and cluster analysis, design and analysis of sample surveys, statistical computing and data analysis, and financial mathematics.

The Institute enjoys excellent computing facilities centred around the ISOR Research Facility and the ISOR Statistical Graphics Laboratory. These facilities comprise thirteen linked Sun SPARCstations together with a number of Macintosh and IBM compatible PC's. In addition staff have access to the central University computing facilities. As a consequence a wide spectrum of OR and statistical packages are available. The Institute has good contacts with other University departments, the NZ Department of Statistics, DSIR Applied Mathematics, other Government departments and private sector organisations.

Enquiries concerning academic aspects of this position may be made to Professor D. Vere-Jones (Chairperson) or Professor G. A. Vignaux (Operations Research), Institute of Statistics and Operations Research.

The salary scale for Lecturers is \$NZ37,440 - \$NZ45,448 per annum, where there is a bar: then \$NZ46,800 - \$NZ49,088 per annum. Applications should be forwarded to the Appointments Administrator, Personnel Office, Victoria University of Wellington, PO Box 600, Wellington, New Zealand, with whom applications close on 1 March 1991.

THIS UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

Distinguished speakers in Operations Research at the 27th Applied Mathematics Conference

The Applied Mathematics Conferences were begun by the Australian Mathematical Society, and the practice has evolved to hold them each February outside the main cities. New Zealand applied mathematicians attend these conferences also, leading to a conference in the series at Wairaki, New Zealand in 1987, and now another at Hanmer Springs on 3 - 7 February, 1991.

Recent conferences have included speakers and participants in Operations Research. The three invited speakers in Operations Research this February and Terry Rockafellar (University of Washington, Seattle) in 'Extended Linear-Quadratic Modelling in Optimisation', Roger Wets (University of California, Davis) on 'Stochastic Programming - an overview', and Rob Womersley (University of New South Wales) on 'Non-smooth Optimization'. A number of contributed papers in the subject will be given by participants from Australia and New Zealand. The relaxed atmosphere at these conferences allows plenty of opportunity for informal discussions with all the invited speakers and other participants.

Because of the lateness of this notice, registrations will be accepted without payment of the late fee provided immediate action is taken. Registration forms can be obtained from the conference director, Dr Peter Bryant (☎ (03) 642 - 695), or the conference secretary, Dr David Wall (☎ (03) 667 - 001 ext 7677), both at the Mathematics Department, University of Canterbury, Christchurch.

This conference has been sponsored in part by ORSNZ, so let's have a good attendance from the OR community!

The 1990 Annual General Meeting

Your new council:

The following were elected to serve on council for 1991:

President	Vicky Mabin	
Vice President	Grant Read	
Secretary	Gary Eng	
Treasurer	Rona Bailey	
Committee	Hugh Barr	Cheryl McDonald
	Hans Daellenbach	Tapas Sarkar
	Chris Darkey	Victoria Willis
	Jonathan Lermitt	

After the meeting Prof Bob Oliver gave a fascinating talk on the allocation of Discount Fares and Passenger Seats.

Many thanks to Electricorp for the use of their boardroom, and to the Shamiana Restaurant for providing a good feed afterwards.

NZ Institute of Management Courses

NZIM has kindly provided some \$50 vouchers, good for credit towards any of their Wellington Division courses. Telephone NZIM for details of courses (04) 846-015. Rona Bailey ☎ (04) 727-855, has the actual vouchers.

NZ Production and Inventory Control Society Annual Study Award

This award is open to any person in New Zealand who is able to make a contribution to the extension of knowledge in the area of production and inventory management. This award is made each and is currently worth \$3500. Contact the society for further details - Box 26-012, Auckland 3.

Advertise your products or services in the NZORS newsletter!

Local entrepreneurs are reminded that they may advertise their products and services at no cost in the *Newsletter*. Remember that the *ORSNZ Newsletter* reaches all the decision makers and other important OR people in New Zealand.