

ARCHIEF

**THIRTEENTH CONFERENCE
ON THE MATHEMATICS OF
OPERATIONS RESEARCH**

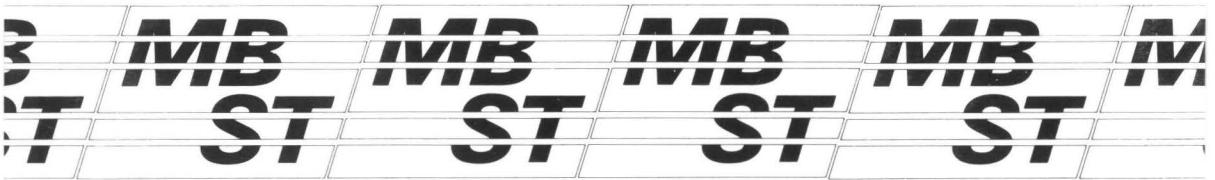


**CONFERENCE CENTER 'DE BLIJE WERELT'
LUNTEREN, THE NETHERLANDS**

JANUARY 13-15, 1988

Organized by the
Centre for Mathematics and Computer Science,
Amsterdam, The Netherlands

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Thirteenth Conference on the Mathematics of Operations Research

January 13-15, 1988, Lunteren, The Netherlands

AIM AND SCOPE

The aim of the conference is to promote the research activities and the cooperation between researchers in the mathematics of operations research. The emphasis of the 1988 conference will be on two fields which are promising for further OR-research: logistics and combinatorial optimization.

Five non-Dutch specialists have been invited to give two lectures on recent developments in their field of interest. They have been asked to present a tutorial survey of their area in the first talk and discuss their own recent work in the second lecture.

The program includes a minicourse on Goodsflow control, which will be given by J. Wessels, J. Wijngaard and W.M.H. Zijm (all University of Eindhoven). Of the invited speakers A. Federgruen (Tel Aviv), J. Walrand (Berkeley) and L. van Wassenhove (Leuven) will more or less elaborate on this field. Furthermore two of the invited speakers will give lectures in the field of combinatorial optimization: D. Shmoys (Cambridge, U.S.A.) about approximation algorithms, L. Trotter (Augsburg) about duality.

The program should give ample opportunity for informal discussions. The conference center is located in the scenic surroundings of Lunteren.

ORGANIZATION

The conference is organized by the Centre for Mathematics and Computer Science in Amsterdam under the auspices of the Dutch Research Community in the Mathematics of Operations Research and System Theory, with financial support by the Dutch Mathematical Society and the Dutch Society of Operations Research.

PROGRAM

Invited speakers

A. Federgruen (Tel Aviv):

1. Replenishment strategies for production-distribution networks with general setup costs
2. Integrating inventory control and production planning

D. Shmoys (Cambridge, U.S.A.):

1. Dual approximation algorithms: easy solutions to hard problems
2. Approximation algorithms for scheduling unrelated parallel machines

L. Trotter (Augsburg):

1. Duality in combinatorial optimization I
2. Duality in combinatorial optimization II

J. Walrand (Berkeley):

1. Ideas and methods in queueing network theory
2. Quick simulation of queueing networks

L. van Wassenhove (Leuven):

1. Capacity planning in modern production inventory control systems
2. Single level and multi level capacitated dynamic lot sizing

Minicourse: Goodsflow control

The minicourse will be used to give an overview of recent topics on goodsflow control and manufacturing in an industrial environment. Attention will be given to integral logistics as well as to production planning on factory and shop floor level. Also, the design and control of Flexible Manufacturing Systems will be discussed. To further highlight the latter topic, there will be an opportunity to watch two short video films on "Factory of the Future" projects within the Philips organisation.

J. Wijngaard (Eindhoven):

Multi-echelon goodsflow control models

J. Wessels (Eindhoven):

Methods for production planning on factory level

W.H.M. Zijm (Eindhoven):

Flexible Manufacturing Systems

PRELIMINARY TIME SCHEDULE

Wednesday January 13, 1988

11.30 Opening
 11.40 Walrand (1)
 12.30 Lunch break
 14.30 Minicourse (1): Wijngaard
 15.20 Tea break
 15.50 Minicourse (2): Wessels
 16.40 Trotter (1)

Thursday January 14, 1988

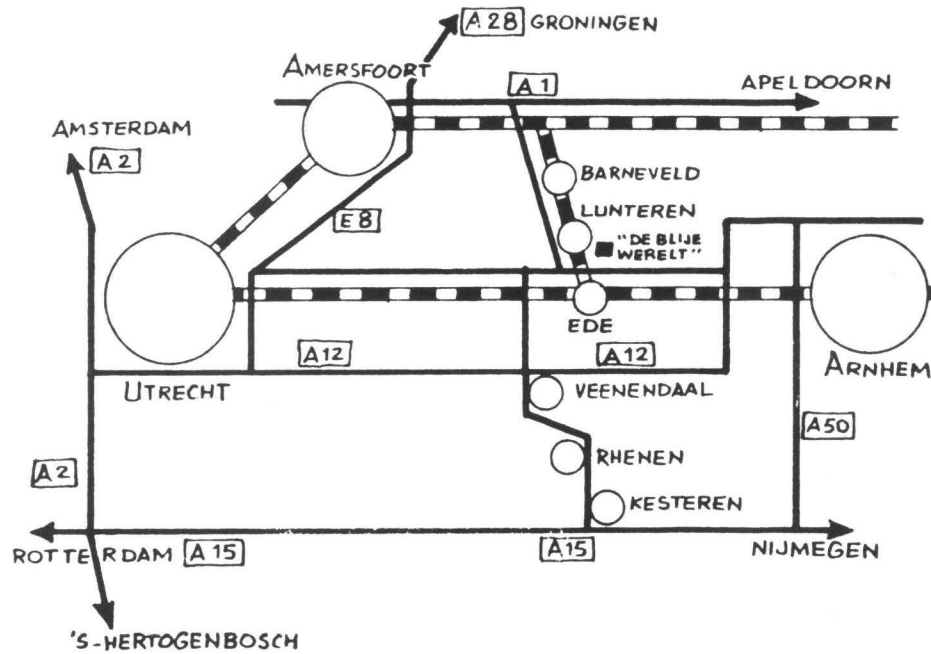
9.00 Shmoys (1)
 9.50 Coffee break
 10.20 Federgruen (1)
 11.10 Minicourse (3): Zijm
 12.30 Lunch break
 15.00 Trotter (2)
 15.50 Tea break
 16.20 Walrand (2)
 17.10 Federgruen (2)

Friday January 15, 1988

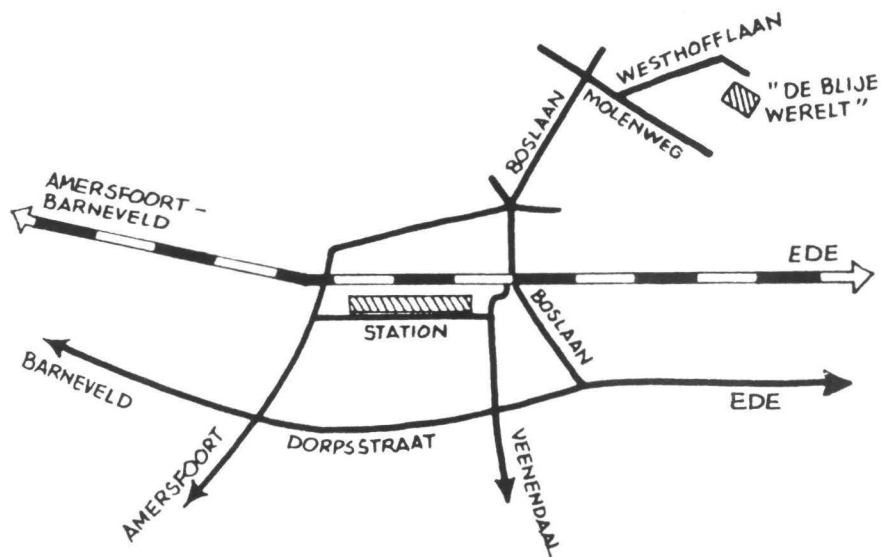
9.00 v. Wassenhove (1)
 9.50 Coffee break
 10.20 Shmoys (2)
 11.10 v. Wassenhove (2)
 12.00 Closing
 12.30 Lunch break

LOCATION

Conference Center 'De Blijde Werelt', Westhofflaan 2, Lunteren, The Netherlands. Telephone +31-8388-4641. Lunteren can be reached by train from Amersfoort and from railway station Ede-Wageningen. The walk from the railway station in Lunteren to 'De Blijde Werelt' takes about 15 minutes. Taxi company: call 08388-2139.



The location of Lunteren



The location of 'De Blijde Werelt'

REGISTRATION

The registration fee is Dfl. 275.00 for a single room. The price includes board and lodging from Wednesday January 13 before lunch until Friday January 15 after lunch. A limited number of participants may have to share a room. The registration fee for a double room is Dfl. 240.00.

Partial arrangements are possible but not encouraged. If a partial arrangement is desired please contact mrs. Schultze, see the address below.

One can register until December 19, 1987 by means of the application form and simultaneous remittance of the required amount of Dfl. 275.00 respectively Dfl. 240.00.

INFORMATION

For further information contact:

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L. Schultze +31-20-5924075

Centre for Mathematics and Computer Science,
P.O. Box 4079, 1009 AB Amsterdam,
The Netherlands

APPLICATION FORM

I will attend the *Thirteenth Conference of the Mathematics of Operations Research*, to be held in 'De Blije Werelt', Lunteren, The Netherlands, January 13-15, 1988.

- I have transferred Dfl. 275.00/240.00 to account 462890 at the Dutch Postal Giro, The Hague, in favor of the Stichting Mathematisch Centrum, Amsterdam, mentioning 'Lunteren 1988'.
- I have transferred Dfl. 275.00/240.00 to account 43.60.53.705 at the AMRO-Bank, Sarphatistraat, Amsterdam, in favor of the Stichting Mathematisch Centrum, Amsterdam, mentioning 'Lunteren 1988'.
- I enclose a cheque of Dfl. 275.00/240.00 payable to the Stichting Mathematisch Centrum, Amsterdam, mentioning 'Lunteren 1988'.

Please indicate your preference:

- I am willing to share a room, possibly with
- I prefer not to share a room.

Name:

Institute or firm:

Mailing address:

Telephone:

Date:

Signature:

The completed form should be sent, *before December 19, 1987*, to:

Mrs. L. Schultze
Centre for Mathematics and Computer Science
P.O. Box 4079
1009 AB Amsterdam
The Netherlands

