

**36th CONFERENCE on the  
MATHEMATICS of OPERATIONS RESEARCH**

**and**

**SEMINAR ON  
“OPERATIONS RESEARCH in SUPPLY CHAIN MANAGEMENT and MARKETING”**

**Conference Center ‘The Werelt’, Lunteren, The Netherlands  
January, 18 – 20, 2011**

**AIM and SCOPE**

The aim of the conference is to promote research activities and cooperation between senior and junior researchers in the mathematics of Operations Research in the Netherlands. The program offers high quality research and applications and should appeal to both academic researchers and people from profit and non-profit organizations.

On the last day a seminar is jointly organized by the LNMB (Landelijk Netwerk Mathematische Besliskunde) and NGB (Nederlands Genootschap Besliskunde) on the subject “Operations Research in Supply Chain Management and Marketing”.

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

During the first two days, there are four prominent invited speakers from abroad who will present two lectures in their field of research:

- Aharon Ben-Tal (Technion - Israel Institute of Technology, Israel)
- Jim Dai (Georgia Tech, Atlanta, USA; <http://www2.isye.gatech.edu/~dai/>)
- Jean Bernard Lasserre (CNRS, LAAS, Toulouse, France; <http://homepages.laas.fr/lasserre/>)
- Mohit Singh (McGill University, Canada; <http://www.cs.mcgill.ca/~mohit/>)

On Wednesday, during the lunch, the LNMB diplomas are presented. On Tuesday and Wednesday there are 30-minutes presentations by Ph.D. students.

The seminar on “Operations Research in Supply Chain Management and Marketing” is held on Thursday.

**Program Tuesday January 18**

10.15 Registration  
10.55 – 11.00 Opening  
11.00 – 11.45 Jean Bernard Lasserre: *The moment-sos approach*  
12.00 – 12.45 Jim Dai: *Maximum pressure policies in stochastic processing networks*  
12.45 Lunch  
14.00 – 15.30 PhD presentations (parallel)  
16.00 – 16.45 Mohit Singh: *Iterative Methods in Combinatorial Optimization I: Iterative Rounding*  
17.00 – 17.45 Aharon Ben-Tal: *The power of Duality*  
18.30 Dinner  
20.30 Meeting for the members of the LNMB

**Program Wednesday January 19**

09.15 – 10.00 Jean Bernard Lasserre: *New extensions of the moment-sos approach*  
10.15 – 11.00 Aharon Ben-Tal: *Tractable solutions to some challenging optimization problems*  
11.30 – 12.15 Mohit Singh: *Iterative Methods in Combinatorial Optimization I: Iterative Relaxation*  
12.30 Lunch and presentation PhD diplomas  
14.00 – 15.30 PhD presentations (parallel)  
16.00 – 16.45 Jim Dai: *Positive recurrence of reflecting Brownian motions in three dimensions*  
18.00 Dinner  
20.00 Meeting PhD students LNMB

## **Program Thursday January 20:**

### **Seminar Operations Research in Supply Chain Management and Marketing**

- 09.30 - 10.00 *Registration and coffee*  
10.00 - 10.15 Welcome by the chairman Steef van de Velde (EUR)  
10.15 - 11.00 Plenary session  
Keynote speaker: Jan Fransoo (Technische Universiteit Eindhoven)  
*Collaboration and coordination in supply chains*  
11.00 - 11.45 Plenary session  
Keynote speaker: Marc Teerlink (IBM)  
*From Data to Dollars*  
12.00 - 13.00 *Lunch*  
13.00 - 13.45 Plenary session  
Keynote speaker: Wouter Egberink (KPN)  
*Customer database analytics*  
13.45 - 14.30 Plenary session  
Keynote speaker: Geert Jan van Houtum (Technische Universiteit Eindhoven)  
*Planning and design of service supply chains for advanced capital goods*  
14.30 - 15.00 *Coffee/tea*  
15.00 - 16.30 Parallel sessions (invited and contributed papers)  
16.30 - 16.45 Closing  
16.45 - 17.30 *Drinks*

Note: More detailed information on the conference and the seminar, on-line registration forms, short bio's of the speakers and abstracts of the talks (in a few weeks) are available at: <http://www.lnmb.nl/conferences/2011/>

### **PhD Presentations and LNMB Diplomas**

The PhD students of the LNMB are strongly recommended to present a paper at this conference. In order to receive the LNMB diploma, a PhD student must have given such a presentation at least once. For each presentation 30 minutes are available in one of the parallel sessions. For each contributed paper a senior member of the LNMB will be available to act as discussant.

The deadline for the application of a PhD presentation is **December 3**. To apply, send the following information to [lnmb@ewi.utwente.nl](mailto:lnmb@ewi.utwente.nl): your name and the name of your supervisor, the title and an abstract of about half a page. When you give a PhD presentation, you also have to fill in the registration form.

During the conference the LNMB diplomas will be presented to the PhD students who have fulfilled the requirements for the diploma (25 EC and a PhD presentation). If you believe having fulfilled these requirements, please send **before December 10**, an e-mail to [lnmb@ewi.utwente.nl](mailto:lnmb@ewi.utwente.nl) with the following information:

- your family name and full first name(s);
- date of birth (dd/mm/yy);
- place of birth (city, country);
- certificated courses with credit points;
- Lunteren conferences you have attended (you receive 1EC point for each conference).

### **LOCATION**

Conference Center 'De Werelt', Westhofflaan 2, Lunteren, The Netherlands, phone 0318 - 484641.

For more information, e.g. 'how to reach' see: [www.congrescentrum.com](http://www.congrescentrum.com)

### **ORGANIZATION AND INFORMATION**

The conference is organized by the LNMB (Landelijk Netwerk Mathematische Besliskunde), the seminar jointly with the NGB (Nederlands Genootschap Besliskunde).

For more information contact the director of the LNMB, Johann Hurink ([lnmb@ewi.utwente.nl](mailto:lnmb@ewi.utwente.nl); phone 053 - 4893447) or look at the site <http://www.lnmb.nl/conferences/2011/>.

## **REGISTRATION**

One can register by filling in the on-line registration form on <http://www.lnmb.nl/conferences/2011/>. Participants can register for the entire meeting as well as for partial arrangements. It is possible, against reduced rates, to share a room; in that case a roommate should be indicated on the registration form. PhD students of the LNMB who attend the entire meeting including the seminar are entitled to a reduction of € 50 of the fee.

The various fees and bank account can be found on the registration form. Please fill in this form as soon as possible, but **ultimately December 10**.