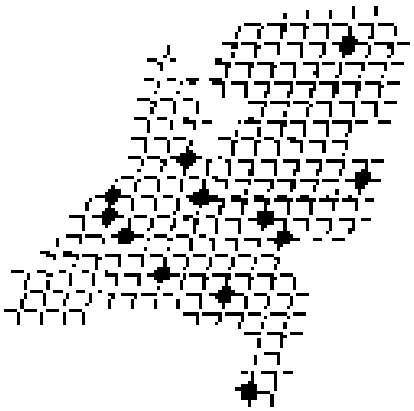

DUTCH NETWORK ON THE MATHEMATICS OF OPERATIONS RESEARCH (LNMB)

MASTER AND PhD PROGRAMME IN OPERATIONS RESEARCH

Information Guide 2009/2010

June 2009

EXECUTIVE BOARD

Chairman:
Prof.dr.ir. R. Dekker
Econometric Institute, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam
Phone : 010 - 4081274 Fax : 010 - 4089162 E-mail : rdekker@few.eur.nl
Secr. : Ms. A.M.C. Kop Phone : 010 - 4081264 E-mail :

Scientific director:
Prof.dr. L.C.M. Kallenberg
Mathematical Institute, Leiden University, P.O. Box 9512, 2300 RA Leiden
Phone : 071 - 5277130 Fax : 071 - 5277101 E-mail : kallenberg@math.leidenuniv.nl
Secr. : Willeke Hasselton Phone : 071 - 5277005 E-mail : lnmb@math.leidenuniv.nl

Members:
Prof.dr.ir. I.J.B.F. Adan
Department of Mathematics and Computer Science,
Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone : 040 - 2472932 Fax : 040 - 2465995 E-mail : iadan@win.tue.nl
Secr : Harma Koops Phone : 040 - 2473130 E-mail : h.koops@tue.nl

Prof.dr. P.E.M. Borm
Department of Econometrics and OR, CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg.
Phone : 013 - 4663026 Fax : 013 - 4663280 E-mail : p.e.m.borm@uvt.nl
Secr. : Heidi Ket Phone : 013 - 4662340 E-mail : h.h.ket@uvt.nl

Prof.dr. R.J. Boucherie
Department of Applied Mathematics, Stochastic Operations Research,
Faculty of Electrical Engineering, Mathematics and Computer Science
University of Twente, P.O. Box 217, 7500 AE Enschede
Phone : 053 - 4893432 Fax : 053 - 4893069 E-mail : r.j.boucherie@utwente.nl
Secr. : Ms. T. Kamphuis Phone : 053 - 4893434 E-mail : t.kamphuis-kuijpers@ewi.utwente.nl

Prof.dr. L. Stougie
Department of Econometrics and Operations Research
Faculty of Economics & Business Administration, VU University Amsterdam
De Boelelaan 1105, 1081 HV Amsterdam
Phone : 020 - 5989391 E-mail : lstougie@feweb.vu.nl

Secretary:
Willeke Hasselton - Snijder
Mathematical Institute, Leiden University, P.O. Box 9512, 2300 RA Leiden
Phone : 071 - 5277005 Fax : 071 - 5277101 E-mail : lnmb@math.leidenuniv.nl

PhD Representative:
A. Haensel
Department of Mathematics, VU University Amsterdam, De Boelelaan 1081a, 1081 HV Amsterdam
Phone : 020 - 5987687 E-mail : ahaensel@few.vu.nl

Website:
www.lnmb.nl

CONTENTS

Preface

The education programme of the LNMB provides high quality teaching in the broad field of interest in the mathematics of operations research, including new interesting areas. The programme consists of 25 courses for Master and PhD students. This year seven Master courses and nine PhD courses are scheduled (the PhD courses have a cycle of two years). It is allowed that Master students attend PhD courses and, vice versa, that PhD students attend Master courses. The lectures are taught in the Uithof buildings of the Utrecht University.

The education programme for the academic year 2009/2010 consists of the following courses.

Master courses:
Fall 2009:
- Introduction to Stochastic Processes
- Continuous Optimization
- Discrete Optimization
- Heuristic Methods in Operations Research

Spring 2010:
- Advanced linear programming
- Scheduling
- Queueing theory

PhD courses:
Trimester 1:
- Stochastic Models for Telecommunication Systems
- Randomized Algorithms
- Combinatorial Optimization 2a

Trimester 2:
- Combinatorial Optimization 2b
- Noncooperative games
- Markov Decision Processes

Trimester 3:
- Operations Research and Health Care
- Advanced Queueing Theory
- OR-Games

Besides information about the LNMB courses, this guide contains:
- Organizational and administrative affairs;
- Information about the operations research groups at the Dutch universities;
- Lists of members, PhD students and alumni.

The information is also available via the LNMB website www.lnmb.nl

In addition to the courses, the LNMB organizes the 35th Lunteren Conference on the Mathematics of Operations Research. This conference will be held 12 - 14th January 2010.

The LNMB gladly acknowledges the financial support by the universities. This enables the LNMB to continue its activities.

Lodewijk Kallenberg,
Scientific director LNMB
June, 2009.

1. Dutch Network on the Mathematics of Operations Research (LNMB)

The Dutch Network on the Mathematics of Operations Research (in Dutch: Landelijk Netwerk Mathematische Besliskunde; abbreviated LNMB) is an interuniversity co-operation in which all Dutch universities and the Centre for Mathematics and Computer Science (CWI) in Amsterdam participate. The LNMB has been established in July 1987. From 1987 until 2001 the University of Groningen was its administrator, from 2002 until 2006 the University of Maastricht, and from January 2007 the University of Twente acts as administrator of the LNMB.

The tasks of the LNMB are twofold. Firstly, the LNMB offers courses for PhD and Master students, and is responsible for the annual Lunteren Conference on the Mathematics of Operations Research. Secondly, the LNMB is an organization of full and associate professors in the field of Operations Research. The universities and the CWI are represented in the General Board out of whom an Execitive Board is chosen.

The LNMB has 98 members and 144 PhD students. The LNMB courses are also accessible, on payment, to other interested people. An independent judgment by NWO (Netherlands Organization for Scientific Research) has proven that the LNMB graduate education programme is of a high international standard.

2. PhD courses and diploma requirements (general information)

The programme of the LNMB PhD courses consists of a biennial cycle and in each cycle 18 courses are offered. The subjects of the courses are in the following areas: Combinatorial Optimization, Stochastic Operations Research, Mathematical Programming, Game Theory and Applications of OR.

The programme is flexible in the sense that new PhD students can start with their programme at the beginning of any trimester. Furthermore, the individual programmes can vary; each student can choose his of her own parts of the education programme. In each trimester a combination of various subjects is taught. In general one can follow each of the courses without any prerequisites of the other courses. The courses take place on Monday in Utrecht.

The courses are intended for PhD students in Operations Research. However, Master students in mathematics, econometrics or computer science who acquired enough prerequisites are also welcome. Further information can be obtained from the director of the LNMB or from the lecturers of the courses. Furthermore, government and/or business employees who want to follow a course may participate. Participants are expected to make exercises (homework) during or at the end of the course to show that they have understood the contents of the course. The credits (including for the attendance of the course) for participants who have passed the exercises successfully have been set at ***4 EC*** per course. In case the courses are only attended (or when the exercises are not passed successfully), the workload is set at ***1 EC***. At the end of each course the participants receive a *certificate* with the grade and the credits involved.

The following regulation holds for the *course fee*. Participants from the departments of the Dutch universities which finance the LNMB don't pay any course fee. Other participants pay for each course a fee of 500 euro. The director of the LNMB is authorized to grant a reduction of this fee at occurring situations.

Application to a LNMB PhD course can be done by filling in the application form in the back of this information guide and sending them to the LNMB's secretarial office (for the address: see the inside of the information guide's cover). PhD students who participate for the first time in LNMB courses, also have to fill in the form for New PhD Students, which can be found in the back of this guide. The forms are also available at www.lnmb.nl.

In addition to the courses, the PhD programme includes the Lunteren Conference on the Mathematics of Operations Research. During this conference prominent - usually foreign - researchers lecture on special topics or on recent research. PhD students can give a so-called *PhD presentation*. In such a presentation one can present his or her research results. Attendance in the Lunteren Conference is credited by ***1 EC***.

PhD students who have sufficiently participated in the LNMB PhD programme and have given a PhD presentation will receive a *diploma*. Here, 'sufficiently' means total credits of ***25 EC***. Under certain circumstances the supervisor may submit a motivated request to give the diploma to a PhD student although he or she did not meet the requirement of the PhD presentation. After consultation with the director, it is possible that credit points from a related PhD network also count as credit points for the LNMB diploma.

3. Master courses (general information)

From September 2004, the LNMB provides Master courses in Operations Research. These courses are intended for Master students in Mathematics or Econometrics who want to take one or more courses in Operations Research. Usually, the Master thesis adviser will propose or decide that a student will participate in LNMB Master courses.

Due to the small number of Master students in Operations Research at each individual university, a national concentration is efficient and can help to guarantee a qualitatively high education. This is the main purpose of the LNMB Master courses. An additional advantage for the students is the contact with professors and students from other universities. The LNMB Master courses are part of the Dutch Master Programme in Mathematics, which is a coordinated programme of the Departments of Mathematics of the Dutch universities.

Any semester (Fall and Spring) three of four LNMB Master courses are given. The subjects of the courses are taken from the following areas: Mathematical Programming, Combinatorial Optimization and Stochastic Operations Research. The programme is flexible in the sense that new Master students can start with their programme at the beginning of any semester. Furthermore, the individual programmes can vary; each student can choose his of her own courses. The courses take place on Monday in Utrecht.

Although the courses are intended for Master students, PhD students are also welcome. It is up to their thesis adviser to propose or decide that a PhD student will attend such a course. Further information can be obtained from the director of the LNMB.

The students are subjected to an examination that usually will consist of making exercises during the course and also a written or oral examination. The credits for participants who have passed the examination successfully have been set by the LNMB at ***6 EC*** per course. A final decision about the credits and the grade is formally up to the university of the student.

Application to an LNMB Master course can be done by filling in the application form in the back of this information guide and sending them to the LNMB's secretarial office (for the address: see the inside of the information guide's cover). Master students who participate for the first time in LNMB courses, also have to fill in the form for New Master Students, also in the back of this guide. The forms are also available at www.lnmb.nl

4. PhD courses 2009/2010

During the academic year 2009/2010 nine courses will be taught in three trimesters; each trimester has a duration of nine weeks.

Trimester 1 (September 14 – November 9):
- SMTS (Stochastic Models for Telecommunication Systems)
- RA (Randomized Algorithms)
- CO2a (Combinatorial Optimization 2a)*

Trimester 2 (November 16 – December 14 & January 18 – February 8):
- CO2b (Combinatorial Optimization 2b)*
- NCG (Noncooperative games)
- MDP (Markov Decision Processes)

Trimester 3 (February 15 – March 29, April 12 and 19):
- ORHC (Operations Research and Health Care)
- AQT (Advanced Queueing Theory)
- ORG (OR-Games)

* The courses Combinatorial Optimization 2a and 2b can be followed without knowledge of the courses Combinatorial Optimization 1a and 1b.

The courses are given on Monday according to the following schedule:

	Trimester 1	*Trimester 2*	*Trimester 3*
10.15 - 11.00	Course SMTS	Course CO2b*	Course ORHC
11.15 - 12.00	Course SMTS	Course CO2b*	Course ORHC
12.00 - 13.00	Lunch break	Lunch break	Lunch break
13.00 - 13.45	Course RA*	Course NCG	Course AQT
14.00 - 14.45	Course RA*	Course NCG	Course AQT
15.00 - 15.45	Course CO2a*	Course MDP	Course ORG
16.00 - 16.45	Course CO2a*	Course MDP	Course ORG

* = in cooperation with EIDMA/DIAMANT

Location
The courses are given in the Uithof (buildings of the Utrecht University), in Room 420 of the Buys Ballot Laboratorium, Princetonlaan 4, Uithof, Utrecht. The participants will receive detailed information about "How to reach the lecture rooms in the Uithof".

Credits
The credits (including for the attendance of the course) for participants who have passed the exercises successfully are ***4 EC*** per course. In case the courses are only attended (or when the exercises are not passed successfully), then the workload is set at ***1 EC***. At the end of each course the participants receive a *certificate* with the grade and the credits involved.

Detailed information about the courses
On the next pages detailed information about the courses is given. Anyone interested in these courses is invited to send a completed registration form (see the last pages of this booklet or our website www.lnmb.nl) to the LNMB secretary before September 5 (trimester 1), November 7 (trimester 2) or February 6 (trimester 3).

Course SMTS: "Stochastic Models for Telecommunication Systems"

Time : Monday 10.15 – 12.00 (September 14 – November 9).
Location: Room 420 of the Buys Ballot Laboratorium, Princetonlaan 4, Utrecht (De Uithof).
Lecturers: Prof.dr. R.D. van der Mei (CWI & VU) and Prof.dr. J.L. van den Berg (TNO & UT)

Course description:
The course consists of two synergistic parts.
Part I: stochastic models for telecommunication systems at the packet/burst level
Part II: stochastic models for telecommunication systems at the call/flow level.
Part I:
At the packet/burst level performance aspects of telecommunication networks can be modeled well by using fluid systems - think of packet delays and loss in the buffers of an IP (Internet protocol) based network. Part I of the course treats these fluid models, focusing on single-node queues. The most prominent subjects are: (1) the M/D/1 queue; (2) the /D/1 queue fed by periodic sources; (3) the Anick-Mitra-Sondhi model; (4) general Markov-fluid driven queues; (5) exponential decay of the overflow probability; (6) effective bandwidth; (7) reduction of fluid models to the call level, to enable the application of the results of Part II.
Part II:
Call/flow-level models are used for dimensioning and planning of communication networks. Performance measures of interest are e.g. call blocking probabilities, flow throughputs and file transfer- or document download times.
In part II the following subjects are treated:
(1) traffic modelling at the call level, and traffic measurements in operational networks;
(2) performance models for streaming traffic (speech, video), such as the Erlang and Engset models, multi-rate models, call admission policies like trunk reservation, loss networks, etc.;
(3) performance models for elastic traffic (data), such as the processor-sharing queueing model;
(4) flow level models for performance evaluation and optimization of Wireless LANs, UMTS/HSDPA and wireless ad-hoc networks;
(5) "Quality-of-Service aware" dimensioning of data networks.

Literature:
Lecture notes will be provided.
Prerequisites
Basic knowledge of probability at the level: S.M. Ross, Introduction to probability models, 8th edition, Academic Press, 2003 (chapters 1-3).

Examination:
Take home problems.

Addresess of the lecturers:
Prof.dr. R.D. van der Mei, CWI, P.O. Box 94079, 1090 GB Amsterdam.
Phone: 020 – 5924129 E-mail: r.d.van.der.mei@cwi.nl
Prof.dr. J.L. van den Berg
TNO ICT, P.O. Box 5050, 2600 GB, Delft
Phone: 015 – 2857031 E-mail: j.l.vandenberg@tno.nl

Course RA: Randomized Algorithms

Time : Monday 13.00 – 14.45 (September 14 – November 9).
Location: Room 420 of the Buys Ballot Laboratorium, Princetonlaan 4, Utrecht (De Uithof).
Lecturers: Dr. R.A. Sitters (VU) and Prof.dr. L. Stougie (VU).

Course description:
The topics are:
- Randomized complexity classes; Yao's minimax principle; Application of probabilistic bounding techniques.
- The probabilistic method; Derandomization; Random walks; Randomized LP algorithms; On-line algorithms.
- Randomization in geometric problems

Literature
R. Motwani and P. Raghavan: Randomized Algorithms, Cambridge University Press, New York, 1995, ISBN 0-521-47465-5. The participants are assumed to have this book at their disposal by buying or lending (e.g. from the university library) the book.
Prerequisites
Elementary knowledge of probability theory.
Examination:
Take home problems.

Address of the lecturers:
Dr.ir. R.A. Sitters, Department of Econometrics and Operations Research
Faculty of Economics & Business Administration, VU University Amsterdam,
De Boelelaan 1105, 1081 HV Amsterdam
Phone: 020 – 5989391 E-mail: rsitters@feweb.vu.nl
Prof.dr. L. Stougie, Department of Econometrics and Operations Research
Faculty of Economics & Business Administration, VU University Amsterdam
De Boelelaan 1105, 1081 HV Amsterdam
Phone: 020 - 5989391 E-mail: lstougie@feweb.vu.nl

Course CO2a: Combinatorial Optimization 2a

Time : Monday 15.00 – 16.45 (September 14 – November 9).
Location: Room 420 of the Buys Ballot Laboratorium, Princetonlaan 4, Utrecht (De Uithof).
Lecturer: Prof.dr. G.J. Woeginger (TU/e)

Course description:
Combinatorial optimization is the investigation of design and planning problems in which discrete decisions must be made. The field originated in the 1950s with the work of Dantzig et al and Gomory on integer linear programming formulations for routing, scheduling and cutting stock problems. Other applications occur, e.g. in facility location, network and circuit design, and biomolecular systems.
The course gives an introduction into NP-hardness, and discusses approaches for dealing with NP-hard problems, like: approximation techniques; local search; probabilistic analysis; fixed parameterized tractability; exact algorithms.

Literature:
- C.H. Papadimitriou, K. Steiglitz, Combinatorial Optimization: Algorithms and Complexity, Dover, 1998.
- In addition, some papers will be provided.

Prerequisites
- Knowledge of basic linear algebra.

- Knowledge of network flow, linear programming and duality as, e.g., in V. Chvatal, Linear Programming, Freeman, 1983.

Examination:
Take-home problems.

Address of the lecturer:
Prof.dr. G.J. Woeginger, Dept. of Mathematics & Computer Science
Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone: 040 – 2472415 E-mail: gwoegi@win.tue.nl URL : www.win.tue.nl/~gwoegi

Course CO2b: "Combinatorial Optimization 2b"

Time : Monday 10.15 – 12.00 (November 16 – December 14 & January 18 – February 8).
Location: Room 420 of the Buys Ballot Laboratorium, Princetonlaan 4, Utrecht (De Uithof).
Lecturer: Prof.dr.ir. K.I. Aardal (TUD)

Course description:
In combinatorial optimization we want to maximize or minimize a linear objective function subject to a set of linear constraints and the restriction that a subset of the decision variables can take only integer values.
In combinatorial optimization the variables are typically restricted to the values 0 and 1. Examples of such problems are for instance the traveling salesman problem, various machine scheduling problems, and network design problems.
The first part of the course, taught in the second trimester, treats, among others, the topic of finding good feasible solutions to integer and combinatorial optimization problems. In this part we focus on techniques for finding provably optimal solutions. Below we mention the main topics treated:
- Describing polyhedra by facets; describing polyhedra by extreme points and extreme rays; Minkowski's and Weyl's theorems; polyhedral ties between integer and linear programs. Theory of valid inequalities; generating all valid inequalities.
- Strong valid inequalities: inequalities for structured problems.
- Non-standard methods: Lenstra's algorithm, primal algorithms and test sets; group relaxations.
- Counting integer points in a polytope.
- Computational issues.

Literature:
Selected parts of:
- G.L. Nemhauser and L.A. Wolsey, Integer and Combinatorial Optimization, J. Wiley and Sons Inc., New York, 1988.
- A. Schrijver, Theory of Linear and Integer Programming, J. Wiley and Sons Ltd., Chichester, 1986.
- Handouts.

Prerequisites
- Knowledge of basic linear algebra.
- Knowledge of network flow, linear programming and duality as, e.g., in V. Chvatal, Linear Programming, Freeman, 1983.

Examination:
Take home problems.

Address of the lecturer:
Prof.dr.ir. K.I. Aardal, Faculty of Electrical Engineering, Mathematics and Computer Science,
Delft University of Technology, Mekelweg 4, 2628 CD Delft
Phone: 015 – 2785093 E-mail: k.i.aardal@tudelft.nl

Course NCG: "Noncooperative games"

Time : Monday 13.00 – 14.45 (November 16 - December 14 & January 18 - February 8).
Location: Room 420 of the Buys Ballot Laboratorium, Princetonlaan 4, Utrecht (De Uithof).
Lecturer: Dr. F. Thuijsman (UM)

Course description:
The course will focus on noncooperative games, one-shot as well as dynamic, in the following order: matrix and bimatrix games, repeated games, specific models of stochastic (Markov) games, evolutionary games. We explore solution concepts like "value" and "optimal strategies" for zero sum games and "equilibrium" for non-zero sum games. In these noncooperative games the players are strategic decision

makers, who cannot make binding agreements to achieve their goals. Instead, threats may be applied to establish stable outcomes. Besides, we explore the concepts of "evolutionary stable strategy" and "replicator dynamics" and their relations with models of population dynamics and with models of "learning". Several examples will be taken from biological settings.

Literature:
Lecture notes will be provided.
Prerequisites:
Basic knowledge (bachelor level) of analysis and linear algebra.
Examination:
Take home problems.

Address of the lecturer:
Dr. F. Thuijsman
MICC/Mathematics
Maastricht University,
P.O. Box 616, 6200 MD Maastricht
Phone : 043 - 3883489
E-mail : f.thuijsman@maastrichtuniversity.nl

Course MDP: "Markov Decision Processes"

Time : Monday 15.00 – 16.45 (November 16 - December 14 & January 18 - February 8).
Location: Room 420 of the Buys Ballot Laboratorium, Princetonlaan 4, Utrecht (De Uithof).
Lecturers: Dr. S. Bhulai (VU) and prof.dr. L.C.M. Kallenberg (UL/UT)

Course description:
The theory of Markov decision processes (MDPs) - also known under the names sequential decision theory, stochastic control or stochastic dynamic programming - studies sequential optimization of stochastic systems by controlling their transition mechanism over time. Each control policy defines a stochastic process and values of objective functions associated with this process. The goal is to select a control policy that optimizes a function of the values generated by the utility functions.
In real life, decisions that are made usually have two types of impact. Firstly, they cost or save resources, such as money or time. Secondly, by influencing the dynamics of the system they have an impact on the future as well. Therefore, the decision with the largest immediate profit may not be good in view of future rewards in many situations. MDPs model this paradigm and can be used to model many important applications in practice. In this course we provide results on the structure and existence of good policies, on methods for the computation of optimal policies, and illustrate them by applications.
Contents of the lectures:
1. Model formulation, policies, optimality criteria, the finite horizon.
2. Discounted rewards: optimality equation and solution methods.
3. Average rewards: optimality equation and solution methods.
4. More sensitive rewards, part 1: Laurent expansion and solution methods.
5. Structural properties.
6. Applications of MDPs.
7. Further topics in MDPs

Literature:
Lecture notes will be provided.
Prerequisites:
- Elementary knowledge of linear programming (e.g. K.G. Murty, Linear programming, Wiley, 1983).
- Elementary knowledge of probability theory (e.g. S.M. Ross, A first course in probability, Macmillan, New York, 1976).
- Elementary knowledge of (numerical) analysis (e.g. Banach space; contracting mappings; Newton's method; Laurent series).

Examination:
Take home problems.

Addresses of the lecturers:
Dr. S. Bhulai, Department of Mathematics, VU University Amsterdam,
De Boelelaan 1081a, 1081 HV Amsterdam
Phone: 020 – 5987679 E-mail: sbhulai@few.vu.nl URL: www.math.vu.nl/~sbhulai
Prof.dr. L.C.M. Kallenberg, Mathematical Institute
Leiden University, P.O. Box 9512, 2300 RA Leiden
Phone: 071-5277130 E-mail: kallenberg@math.leidenuniv.nl

Course ORHC: "Operations Research and Health Care"

Time : Monday 10.15 – 12.00 (February 15 – March 29 & April 12 and 19).
Location: Room 420 of the Buys Ballot Laboratorium, Princetonlaan 4, Utrecht (De Uithof).
Lecturers: Dr.ir. E.W. Hans (UT), Prof.dr.J.J. van de Klundert (EUR) and Prof.dr. G.M. Koole (VU)

Course description:
Global and national developments cause the health of populations and individuals to pose new problems for societies and organizations, for which operations research is often useful to provide the answers. As expectations rise and populations age, the burden of health care cost becomes increasingly difficult to carry. We are presented with tough decision problems regarding the efficient, effective and equitable use of scarce resources to improve our precious health.
In this course, we start by overviewing topics, models, and objectives for health care decision making. We subsequently provide an in depth and rigorous mathematical treatment of operations research applications in a variety prominent domains. Partly, the material will be based on application of advanced methods in e.g. combinatorial optimization or queuing theory, as dealt with in the respective courses. Another part of the course will extend the standard theory, and show how the theory and techniques are extended to deal with health care specific issues.
The course will be organized by topic
- Human resource planning (Rostering, Crew Scheduling)
- Outpatient planning (Queuing, Scheduling)
- Resource Planning & Scheduling (Scheduling, Branch-and-Price, Stochastic Programming),
- Benchmarking (Data Envelopment Analysis, Stochastic Frontier Analysis)
- Health Chain Planning (Supply Chain Planning, Combinatorial Optimization, Queuing)
- Medical decision making (Non Linear Optimization, Markov Decision Modeling))

Literature:
Course reader.
Prerequisites:
Understanding of queuing theory and combinatorial optimization at M.Sc. level.
Examination:
Take home problems.

Addresses of the lecturers:
Dr. E.W. Hans, University of Twente, Department of Operational Methods for Production and Logistics
P.O. Box 217, 7500 AE Enschede.
Phone: 053 – 4893523 E-mail: e.w.hans@utwente.nl
Prof.dr. J.J. van de Klundert, Erasmus Medical Centre/Erasmus University, Department Health Care Management
P.O. Box 1738, 3000 DR Rotterdam
Phone: 010 – 4088555 E-mail: vandeklundert@bmg.eur.nl
Prof.dr. G.M. Koole, VU University Amsterdam, De Boelelaan 1081a, 1081 HV Amsterdam
Phone: 020 – 5987755 E-mail: koole@few.vu.nl URL: www.math.vu.nl/~koole

Course AQT: "Advanced Queueing Theory"

Time : Monday 13.00 – 14.45 (February 15 – March 29 & April 12 and 19).
Location: Room 420 of the Buys Ballot Laboratorium, Princetonlaan 4, Utrecht (De Uithof).
Lecturer: Prof.dr. R.J. Boucherie (UT)

Course description:
Complex stochastic systems, like communication systems, computer networks and manufacturing systems, may often be modeled as queueing networks with multiple nodes and/or multiple classes. The performance of these systems may thus be evaluated in terms of queue lengths, sojourn times or blocking probabilities in queueing networks.
Specific topics include (a selection from):
- Networks of queues: product-form distribution, reversibility, output theorem, tandem networks, partial balance, blocking, insensitivity, BCMP networks, mean-value analysis, Norton's theorem, sojourn times.
- Analytical-numerical techniques: transform methods, matrix-analytic method, compensation method.
- Polling systems: cycle times, queue lengths, waiting times, conservation laws, service policies, visit orders.
- Performance optimization: achievable delay performance, discriminatory scheduling, age-based scheduling, size-based scheduling, fairness.

Literature
- F.P. Kelly, Reversibility and Stochastic Networks, Wiley, 1979.
- R. Nelson, Probability, Stochastic Processes and Queueing Theory, Springer, 1995.
- R.W. Wolff, Stochastic Modeling and the Theory of Queues, Prentice-Hall, 1989.

Prerequisites:
- Basic knowledge of probability theory and elementary queueing theory.

Examination:
Take home problems.

Address of the lecturer:
Prof.dr. R.J. Boucherie, Dept. of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone: 053 - 4893432 E-mail: r.j.boucherie@utwente.nl

Course ORG: "OR-Games"

Time : Monday 15.00 – 16.45 (February 15 – March 29 & April 12 and 19).
Location: Room 420 of the Buys Ballot Laboratorium, Princetonlaan 4, Utrecht (De Uithof).
Lecturers: Prof.dr. P.E.M. Borm (UvT) and Prof.dr. H.J.M. Hamers (UvT)

Course description:
The aim of this course is to provide a general overview of the possibilities of analyzing various OR-situations from a game theoretic perspective. A large part of the course is motivated by the idea that joint OR- problems in which various decision makers are involved not only have an optimization aspect in generating e.g. minimal total joint costs but as an allocation aspect in dividing these costs back fairly to the individuals itself.
Global scheme:
- A global survey of relevant notions from both cooperative and non-cooperative game theory.
- Applications to bankruptcy, cost sharing, fixed and spanning tree, traveling salesman, Chinese postman, assignment, permutation, scheduling, lot sizing and inventory situations.

Literature
Course material:
- Handouts will be provided during the course.
- Further reading: Curiel, I. (1997). Cooperative game theory and applications. Kluwer Academic Publishers.

Prerequisites
The course is intended to be accessible without specific knowledge of game theory. For this aim the first part of the course will survey the game theoretical concepts that are needed.
Examination:
One final assignment to model and analyze a self-selected OR problem from a game theoretical perspective..

Addresess of the lecturers:
Prof. dr. P.E.M. Borm, CentER for Economic Research, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone: 013 – 4663026 E-mail: pemborm@uvt.nl URL: http://center.uvt.nl/staff/borm
Prof.dr. H.J.M. Hamers, CentER for Economic Research, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone: 013 – 4662660 E-mail: h.j.m.hamers@uvt.nl URL: http://center.uvt.nl/staff/hamers

5. Master courses 2009/2010

During the academic year 2009/2010 seven courses will be taught in two semesters; each semester has a duration of 12 weeks. The courses are part of the Dutch Master Programme in Mathematics (http://www.mastermath.nl).

Fall 2009
- ISP (Introduction to stochastic processes; September 7, 8, 14 and 15)
- CO (Continuous optimization; September 21 – December 7)
- DO (Discrete optimization; September 21 – December 7)
- HEU (Heuristic Methods in Operations Research; September 21 – December 7)

Spring 2010 (February 1 – March 29; April 12, 19 and 26)
- ALP (Advanced linear programming)
- SCH (Scheduling)
- QT (Queueing theory)

The courses are given on Monday according to the following schedule:

	*Fall 2009**	*Spring 2010*
10.15 - 11.00	Course CO	Course ALP**
11.15 - 12.00	Course CO	Course ALP**
12.00 - 13.00	Lunch break	Lunch break
13.00 - 13.45	Course DO	Course SCH
14.00 - 14.45	Course DO	Course SCH
15.00 - 15.45	Course HEU	Course QT
16.00 - 16.45	Course HEU	Course QT

* The course ISP is thaught on September 7, 8, 14 and 15 (10.15 – 12.00 and 13.00 – 14.45 each day).
** In cooperation with EIDMA/DIAMANT

Location
The courses are given in the Uithof (buildings of the Utrecht University). The participants will receive detailed information about "How to reach the lecture rooms in the Uithof".

Credits
The credits for students who have passed the exercises successfully are *6 EC* per course, except the short course ISP (4 EC).

Detailed information about the courses
On the next pages detailed information about the courses is given. Anyone interested in these courses is invited to send a (copy of the) completed registration form (for the address: see the last pages of this booklet) to the LNMB secretary before August 30 (course ISP), September 10 (other courses Fall semester) or January 22 (Spring semester).

Course ISP: "Introduction to stochastic processes"

Time : Monday 10.15 – 12.00 and 13.00 – 14.45 (September 7, 8, 14 and 15).
Location: Room 611 AB, Mathematical Institute, Budapestlaan 6, Utrecht (Uithof).
Lecturers: Dr. N. Litvak (UT) and dr.ir. W.R.W. Scheinhardt (UT).

Aim:
To provide an introduction in the basic notions of stochastic processes as applied in stochastic operations research topics like queueing theory and Markov decision processes.

Description:
The following subjects will be treated:
- Discrete time Markov chains, including classification of states and long run behaviour and branching processes.
- Exponential distribution and Poisson Processes.
- Generating functions and Laplace-Stieltjes transforms.
- Continuous time Markov chains and birth-and-death processes.
- Renewal theory, including renewal theorem, renewal reward processes and regenerative processes.

Literature:
S.M. Ross, 'Introduction to probability models', 9th edition, Academic Press, 2007.
Examination:
Written examination
Prerequisities:
Basic knowledge of probability at the level: S.M. Ross, 'Introduction to probability models', 9th edition, Academic Press, 2007 (chapters 1-3).

Addresses of the lecturers:
Dr. N. Litvak
Department of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone: 053-4893388 E-mail: n.litvak@math.utwente.nl URL: wwwhome.math.utwente.nl/~litvakn
Dr. W.R.W. Scheinhardt
Department of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone: 053-4893832 E-mail: w.r.w.scheinhardt@utwente.nl URL: www.math.utwente.nl/~scheinhardtwrw

Course CO: "Continuous optimization"

Time : Monday 10.15 – 12.00 (September 21 – December 7)
Location: Minnaert Building, Room 211, Leuvenlaan 4, Utrecht (Uithof): September 21 – November 2
AWK (Aardwetenschappen Kleine zaal), Budapestlaan 4, Utrecht (Uithof): November 9 – December 7
Lecturer: Dr. G.J. Still (UT)

Aim:
This course aims to provide an advanced introduction into the basics and methods of nonlinear continuous optimisation (also called nonlinear programming).

Course description:
The course starts with some historical examples and an introduction into convex sets and convex functions. Then, optimality conditions in unconstrained and constrained optimization are discussed with emphasis on convex problems. Duality in convex optimization is the next topic followed by an introduction into the basic algorithms for unconstrained and constrained problems. Finally as a special topic, LP-, Lagrange and semidefinite relaxations of integer programs are studied.

Literature:
- Lecture notes 'Nonlinear Optimization' by E. de Klerk, C. Roos and T. Terlaky..
- 'Algorithmic Principles of Mathematical Programming' by U. Faigle, W. Kern and G. Still.

Prerequisites:
Basic knowledge of linear algebra and multivariate analysis.
Examination:
A written examination on December 22 (re-examination as oral exam).
Remark:
More information and study material is to be found at http://wwwhome.math.utwente.nl/~stillgj/conopt/index.html.

Address of the lecturer:
Dr. G.J. Still
Department of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone: 053-4893404 E-mail: g.still@math.utwente.nl URL: http://wwwhome.math.utwente.nl/~stillgj/conopt/index.html

Course DO: "Discrete optimization"

Time : Monday 13.00 – 14.45 (September 21 – December 7)
Location: Minnaert Building, Room 211, Leuvenlaan 4, Utrecht (Uithof): September 21 – November 2
AWK (Aardwetenschappen Kleine zaal), Budapestlaan 4, Utrecht (Uithof): November 9 – December 7
Lecturer: Prof.dr. M. Uetz (UT)

Aim:
To provide a solid foundation in Discrete Optimization, with an eye on algorithm design and algorithm analysis, including the basics of computational complexity.

Course description:
In Discrete Optimization, as opposed to Continuous Optimization, we deal with objects which are finite or at most countable. An archetypical problem is the notorious traveling salesman problem (find the shortest of a finite number of possible tours), but also linear programming can de seen as a discrete problem (find the best among a finite number of vertices of a polyhedron). The course introduces some of the most relevant problems from the area, as well as algorithms to solve them.
The following topics will (most probably) be treated
- Algorithms & Analysis
- Shortest Path Algorithms
- Spanning Trees & Matroids
- Maximum Flows & Minimum Cuts
- Minimum Cost Flows
- P, NP, coNP, NP-completeness
- Integer Linear Programming & Total Unimodularity
- Approximation Algorithms
- Primal-Dual Algorithms
- Inapproximability & Approximation Schemes

Literature:
We use a reader with selected chapters from several books, which can be purchased in the first lecture. Occasionally additional copies will be distributed, if necessary.
- W.J. Cook, W.H. Cunningham, W.R. Pulleyblank and A. Schrijver: Combinatorial Optimization, Wiley, 1998.
- C.H. Papadimitriou and K. Steiglitz: Combinatorial Optimization; Algorithms and complexity, Prentice-Hall, 1982.
- R.K. Ahuja, T.L. Magnanti and J.B. Orlin: Network Fflows, Prentice Hall, 1993.
- T. Cormen, C. Leiserson, R. Rivest and C. Stein: Introduction to Algorithms, 2nd ed., MIT Press, 2001.
- B. Korte and J. Vygen: Combinatorial Optimization - Theory and Algorithms, 4th ed., Springer, 2008.

Prerequisites:
Knowledge of linear algebra and basic graph theory is recommended.
Examination:
Take home problems (40%) and a written exam (60%); re-exam written or oral (depending on amount of students).
Address of the lecturer:
Prof.dr. M. Uetz, Department of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede.
Phone: 053-4893420; E-mail: m.uetz@math.utwente.nl; URL: http://wwwhome.math.utwente.nl/~uetzm/home.html

Course HEU "Heuristic Methods in Operations Research"

Time : Monday 15.00 – 16.45 (September 21 – December 7)
Location: Room 611 AB, Mathematical Institute, Budapestlaan 6, de Uithof, Utrecht.
Lecturers: Prof.dr. J.L. Hurink (UT) and dr. M. Schutten (UT)

Aim:
This course gives an overview of heuristic solution methods in combinatorial optimization.

Description:
Due to the computational complexity of most of the practical relevant optimization problems, heuristic methods form an important class of solution methods for such problems. In this course we give an overview of different classes of heuristic solution approaches and present examples of their application.
In detail, the following issues are treated:
- Sampling based heuristics
- Restricted dynamic programming
- Truncated branch and bound/beam search
- Relaxations/lower bounds
- Evaluation techniques
- Local Search
- Evolutionary methods
- Hierarchical and decentralized approaches

Literature and website
Handouts
Examination:
Oral or written examination and possibly take home problems
Prerequisities:
Basic knowledge (bachelor level) of analysis, linear algebra and linear programming.

Addresses of the lecturers:
Prof.dr. J.L. Hurink, Department of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede.
Phone: 053 – 4893447 E-mail: j.l.hurink@math.utwente.nl URL: www.math.utwente.nl/~hurinkjl
Dr.ir. J.M.J. Schutten, Department OMPL, University of Twente, P.O. Box 217, 7500 AE Enschede.
Phone: 053 – 4894676 E-mail: j.m.j.schutten@utwente.nl URL: www.mb.utwente.nl/ompl/staff/Schutten/

Course ALP: "Advanced linear programming"

Time : Monday 10.15 – 12.00 (February 1 – March 29; April 12, 19 and 26).
Location: To be announced
Lecturer: Prof.dr. L. Stougie (VU)

Aim:
To provide insight in theory and development of practical methods for basic and advanced linear programming.

Course description:
Part 1: Basic theory and algorithms of linear optimization:
- Linear optimization; polyhedra and polytopes; the simplex algorithm; duality; linear inequalities and Farkas' lemma; sensivity analysis.

Part 2: Advanced linear optimization methods:
- The revised simplex method and column generation; Dantzig-Wolfe- and Benders' decomposition; network flow problems; the ellipsoid method; an interior point method; integer programming formulations and solution methods.

Literature
D. Bertsimas and J.N. Tsitsiklis: Introduction to linear optimisation, Athena Scientific, 1997.
Prerequisites:
Basic knowledge (bachelor level) of linear algebra and graph theory.
Examination:
To be announced.

Address of the lecturer:
Prof.dr. L. Stougie, Department of Econometrics and Operations Research
Faculty of Economics & Business Administration, VU University Amsterdam
De Boelelaan 1105, 1081 HV Amsterdam
Phone: 020 - 5989391 E-mail: lstougie@feweb.vu.nl

Course SCH: "Scheduling"

Time : Monday 13.00 – 14.45 (February 1 – March 29; April 12, 19 and 26).
Location: To be announced
Lecturer: Prof.dr. J.L. Hurink (UT)

Aim:
This course gives an introduction into scheduling theory and its applications.

Course description:
The term scheduling represents the assignment of resources over time to perform some tasks, jobs or activities. Feasible schedules are compared with respect to a given optimality criterion. Mostly, the optimization problem is combinatorial and very complex. From a computational point of view these problems are hard (NP-hard) and the classical techniques fail in practice. In this course an overview on the most classical scheduling models is given and exact as well as heuristic solution methods are discussed for these models. In detail, the following issues are treated:
- Classification of scheduling models
- Single-machine models and parallel-machines models
- Open shop, flow shop and job shop models
- Timetabling
- Transportation
- On-line models.

Literature:
- Handout for special subjects.

The following books can be used as background and further information, but do not have to be bought):
- Pinedo, Michael L: Planning and Scheduling in Manufacturing and Services; Series: Springer Series in Operations Research and Financial Engineering, 2005, With CD-ROM., Hardcover, ISBN: 0-387-2198-0.
- Brucker, Peter: Scheduling Algorithms 4th ed., 2004, Springer Verlag Berlin, Hardcover, ISBN: 3-540-20524-1.
- Pinedo, Michael L: Scheduling: Theory, Algorithms, and Systems, 2nd ed., 2002, Prentice Hall, ISBN: 0-13-028138-7.

Prerequisites
Basic knowledge (bachelor level) of analysis and linear algebra.
Examination:
Take home problems and an oral examination.

Address of the lecturer:
Prof.dr. J.L. Hurink, Department of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede.
Phone: 053 – 4893447 E-mail: j.l.hurink@math.utwente.nl URL: www.math.utwente.nl/~hurinkjl

Course QT: "Queueing Theory"

Time : Monday 15.00 – 16.45 (February 1 – March 29; April 12, 19 and 26).
Location: To be announced
Lecturers: Prof.dr.ir. I.J.B.F. Adan (TU/e & UvA) and dr. J.A.C. Resing (TU/e).

Aim:
To provide insight in the theory of queueing models.

Course description:
The following subjects will be treated:
- Fundamental queueing relations (Little's law, PASTA property)
- Markovian queues (M/M/1 queue, M/M/c queue, M/E_r/1 queue)
- M/G/1 queue and G/M/1 queue
- Mean value technique
- Priority queues
- Variations of the M/G/1 queue
- Insensitive queues (M/G/c/c queue and M/G/infinity queue)

Literature
Lecture notes of the course "Queueing Theory" (free available: http://www.win.tue.nl/~iadan/queueing.pdf).
Prerequisites
Basic knowledge of probability at the level: S.M. Ross, Introduction to probability models, 9th edition, Academic Press, 2007 (chapters 1-3).
Examination:
To be announced.

Addresses of the lecturers:
Prof.dr.ir. I.J.B.F. Adan
Mathematics & Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Phone: 040 – 2472932; E-mail: iadan@win.tue.nl; URL: www.win.tue.nl/~iadan
Dr. J.A.C. Resing
Mathematics & Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Phone: 040 – 2472984; E-mail: j.a.c.resing@tue.nl; URL: www.win.tue.nl/~resing

6. Financial regulations

LNMB

The following arrangements hold.

1. Only PhD students who are preparing their thesis under supervision of a member of the LNMB (see the list in paragraph 12 of this booklet) are considered for financial aid.
2. The LNMB does not pay the PhD students directly; the payment will be done afterwards to the administration of the university of the PhD student. In order to receive the payment, a form has to be submitted. These forms are available at the LNMB secretary.
3. Reimbursements are intended for education activities such as courses and workshops.
   For participation in courses, 50% of the price of a second class train return ticket between the university location and Utrecht is reimbursed.
   For participation in the Lunteren conference and workshops supported by the LNMB, the same arrangement for the travelling costs holds; furthermore, there can be given a compensation for lodging with a maximum of 50 euro per conference or workshop.
4. The other expenses will be accounted to the PhD students or their universities.

NWO

NWO provides grants for research. There are grants for working visits and for attending conferences.
Information about these grants can be requested from NWO, phone: 070 - 3440624 (Grant Program Office).

NUFFIC

The Netherlands has cultural accords with various countries, which include arrangements for scientific co-operation and exchange. Scientific staff can obtain, under special conditions, a grant for short visits to other countries. The money originates from the Ministry OCW (Education, Culture and Science). NUFFIC takes care of the formalities. See also www.nuffic.nl/studie/beursopener.html

OTHER GRANTS

For information about other grants we refer to the administration of your own university. See also www.vsnu.nl

7. LNMB certificated persons (179)

J.M. van den Akker
E.M. Bázsa
M. Bijvank
C.A. Boer
S.C. Borst
G.M. te Brake
J.J.J. van de Broek
A. Bump
T.J.M. Coenen
M. Cremers
A.B. Dieker
C. Dobre
R. Egorova
M. Elghami
S.M. Geervliet
F.N. Gouweleeuw
E.A. Grigorieva
R. Haijema
W. van den Heuvel
G.-J.J.A.N. van Houtum
L.J.J. van Iersel
B. Jansen
F.B.S.L.P. Janssen
M.J. Kleijn
A.L. Kok
P. Korteweg
S. Kovaleva
B.H.M. Kuijpers
T. Le Duc
P. Lieshout
R.B. Lok
M. Mainegra Hing
B. Marchal
M.A. Meertens
G. Mincsovics
R. Nicolai
N.J. Olieman
G.J.M. Otten
U. Özen
J.J. Paulus
P.C. Pop
D. Potthoff
J.H. Reijnierse
D. Roubos
A.Y.D. Siem
M. Slikker
M.A.J. Smith
M.J. Soomer
J.M. Spitter
M. Tennekes
A. Ule
H.J.J. Verheijen
A.M. Verweij
I.F.A. Vis
I. Vliegen
Y. Volkovich
M. van Vuuren
W. van der Weij
R. Yang
C.M. Zwaneveld

M.E. Angün
R. Bekker
H.M. le Blanc
K.M.J. de Bontridder
R.J. Boucherie
R.C.M. Brekelmans
J. Bruin
D. Chaerani
M.B. Combé
F.C.A.M. Cruijssen
E.B. Diks
M.K. Dogru
C.A. van Eijl
I. Endrayanto
J.R.G. van Gellekom
R.M.P. Goverde
G. Gu
C.J.H. Hendriksen
B. Heydenreich
D. Huisman
V.C. Ivanescu
J.B. Jansen
R.P. Kampstra
E. de Klerk
G.M. Koole
A.M.C.A. Koster
A.F. van der Kraaij
C.M.H. Kuijpers
R.L.M.J. van Leensel
O. Listes
J.M.W. van Loon
M.R.H. Mandjes
N.A.A. Marquinie
F.J.C. van Megen
D.I. Miretskiy
L. van Norden
M. Oosten
P.Ouwehand
K. Pak
L.W.P. Peeters
E. Porras Musalem
M. Quant
G. Rennen
J.H.G.C. Rutten
B.P. Silalabi
E. Smeitink
S.R. Smits
P.F. Spaans
M.H. Streutker
R.H. Teunter
R.J.M. Vaessens
M. Verloop
A.P.A. Vestjens
M. Vlasiou
A. van Vliet
T. Vredeveld
X. Wang
R. Wildeman
Z. Yang
A.P. Zwart

A. Asadi
S. Bhulai
J.M. Bloemhof – Ruwaard
N.K. Boots
Y. Boulaksil
M.P. de Brito Peirera Maduro
G. Budai
S.K. Cheung
U. Corbacioglu
Q. Deng
A.M. Dobber
A.B. Dragut
E. Elabwabi
A. Estevez Fernandez
J.-W. Goossens
A. Grigoriev
R. de Haan
D. den Hertog
W.B. van den Hout
B.G.M. Husslage
I.D. Ivanov
E. Janssen
B.-E. Klaus
F. Klijn
J. de Kort
M. Koster
M.G.C. van Krieken
T. Le Anh
H.L. Liem
J.A. Loeve
F.J.W. Lutgens
H. Mansouri
P.J.M. Meersmans
R.D. van der Mei
M. Mnich
R. Núñez Queija
D. van Ooteghem
Ö. Özdemir
O. Passchier
N. Piersma
S.A. Pot
A.J. Quist
D. Romero Morales
B. Selçuk
A. Sleptchenko
J. Smeltink
M. Sol
F.C.R. Spieksma
J.F. Sturm †
M.J.G. van Uitert
S.G. Vanneste
A.J. Vermeulen
M. Vieira
M.H. van der Vlerk
J.P.A. van Vliet
M.J.C.M. Vromans
M. Wennink
E.M.M. Winands
T. Yuan

8. Structuurschets interne organisatie LNMB (in Dutch)

Vastgesteld in de algemene ledenvergadering van 16 januari 1991, aangepast in de algemene ledenvergadering van 16 januari 2007

0. Preambule
De juridische structuur van het LNMB is nog niet vastgelegd, en dat gebeurt ook niet door onderstaande structuurschets. Op dit moment is het niet opportuun om de juridische aspecten volledig uit te werken, dat zal te zijner tijd gebeuren in samenhang met de uitwerking van de structurele financiering. Bovendien is het wenselijk om te wachten tot de discussie over "onderzoekscholen" verder gevorderd is. Wel is het op dit moment noodzakelijk om interne gedragsregels af te spreken, onder meer omdat de hoogleraar-directeur is aangesteld.

1. Het Landelijk Netwerk Mathematische Besliskunde
Het LNMB is een organisatie die een landelijke tweede-fase onderzoekersopleiding in de mathematische besliskunde verzorgt. Door landelijke bundeling van internationaal erkende expertise en door inzet van vooraanstaande onderzoekers uit het buitenland wordt gestreefd naar een opleiding van hoge kwaliteit. Het LNMB streeft naar een goede afstemming van activiteiten met de universitaire instellingen en met andere tweede fase opleidingen.

2. Leden
Lid van het LNMB kunnen zijn hoogleraren of UHD's (inclusief emeriti) van de Nederlandse universiteiten of medewerkers van het CWI, die actief onderzoeker zijn op een van de deelgebieden van de mathematische besliskunde, en betrokken zijn bij de begeleiding van aio's/oio's. De ledenlijst staat vermeld in de brochure. Over toelating van nieuwe leden beslist het Algemeen Bestuur.

3. Algemeen Bestuur
Het Algemeen Bestuur bestaat uit tenminste n en ten hoogste $n+m$ leden van het LNMB, waar n = het aantal instellingen waar leden werkzaam zijn en m = het aantal leden van het Dagelijks Bestuur. Het Algemeen Bestuur wordt gekozen door de Ledenvergadering zodanig dat van elk van de n instellingen tenminste één personeelslid lid van het Algemeen Bestuur is. Leden van het Dagelijks Bestuur zijn automatisch lid van het Algemeen Bestuur. De voorzitter wordt in functie gekozen. De Wetenschappelijk Directeur is secretaris. Het Algemeen Bestuur verdeelt onderling de overige functies. Leden van het Algemeen Bestuur die geen lid zijn van het Dagelijks Bestuur treden jaarlijks af, en zijn terstond herkiesbaar. Voor de overige leden van het Algemeen Bestuur geldt het rooster van bestuursmutaties van het Dagelijks Bestuur.
Het Algemeen Bestuur heeft tot taak:
a. Het benoemen van nieuwe leden van het LNMB.
b. Het benoemen van de Wetenschappelijk Directeur.
c. Het toezien op de activiteiten van het Dagelijks Bestuur.
d. Het jaarlijks vaststellen van het algemeen en financieel verslag, alsmede van de begroting voor het komende jaar.
e. Alles te doen wat de doelstellingen van het LNMB kan bevorderen.

4. Dagelijks Bestuur
Het Dagelijks Bestuur bestaat uit 5 of 6 leden van het LNMB. Het Dagelijks Bestuur wordt gekozen door de Ledenvergadering. Voorzitter en secretaris van het Algemeen Bestuur zijn tevens voorzitter en secretaris van het Dagelijks Bestuur. De zittingstermijn van de secretaris komt overeen met diens aanstelling als Wetenschappelijk Directeur. De voorzitter wordt in functie gekozen.
De leden van het Dagelijks Bestuur, m.u.v. de directeur, hebben een zittingstermijn van 4 jaar. Jaarlijks treedt tenminste één lid af. Aftredende leden zijn éénmaal herkiesbaar.
Het Dagelijks Bestuur heeft tot taak:
a. Het vaststellen van het onderwijsprogramma van het LNMB, in het bijzonder de aanwijzing van de docenten.
b. Het vaststellen van regels voor de beoordeling van de deelnemende aio's/oio's door de docenten en het vaststellen van slaagregels.
c. Het vaststellen van cursusgelden, contributies, vergoedingen etc.
d. Het vaststellen van regelingen voor diploma's, en het afgeven van diploma's aan deelnemers die geslaagd zijn.
e. Het jaarlijks uitbrengen van een begroting, ten behoeve van het Algemeen Bestuur.

f. Het zorgdragen voor de continuïteit van de activiteiten van het LNMB; inhaken op actuele ontwikkelingen, het veilig stellen van structurele financiering etc.
g. Het adviseren van de Wetenschappelijk Directeur bij diens taakuitoefening.
h. Alles te doen wat de doelstellingen van het LNMB kan bevorderen.

Het Dagelijks Bestuur is verantwoording verschuldigd aan het Algemeen Bestuur en aan de Ledenvergadering.

5. Wetenschappelijk Directeur

Het LNMB heeft een Wetenschappelijk Directeur. De functie van Wetenschappelijk Directeur wordt op hoogleraarniveau vervuld. De Wetenschappelijk Directeur wordt benoemd door het Algemeen Bestuur, in samenwerking met de penvoerende instelling. De termijn van de aanstelling wordt eveneens in overleg met de penvoerende instelling vastgelegd.

De Wetenschappelijk Directeur heeft tot taak:

a. Het voorbereiden en doen uitvoeren van het onderwijsprogramma.
b. Het beslissen omtrent toelating van deelnemers aan het onderwijsprogramma op grond van door het Dagelijks Bestuur vastgestelde regels.
c. Het bijhouden van een administratie van deelnemers aan het onderwijsprogramma, en de door hen behaalde resultaten.
d. Het toezicht houden op het financieel beheer dat namens het LNMB wordt gevoerd.
e. Het voorbereiden van de vergaderingen van het Dagelijks Bestuur, het Algemeen Bestuur en de Ledenvergadering.
f. Het opstellen van voorlichtingsmateriaal voor aio's/oio's en andere belangstellenden.
g. Het verzorgen van goede contacten met de penvoerende instelling, met deelnemende aio's/oio's en hun promotoren, met docenten, met instellingen die bij het LNMB zijn betrokken,en met verwante netwerken.

De Wetenschappelijk Directeur is verantwoording verschuldigd aan het Dagelijks Bestuur.

6. Ledenvergadering

Ieder kalenderjaar, bij voorkeur tijdens de jaarlijkse Lunteren-conferentie, wordt een Ledenvergadering gehouden, waar onder meer aan de orde komen:

a. Het algemeen verslag over het afgelopen kalenderjaar.
b. De plannen voor het komende kalenderjaar.

De Ledenvergadering heeft verder tot taak:

c. De benoeming van de leden van het Dagelijks Bestuur en van het Algemeen Bestuur.
d. Het vaststellen van de gedragregels die binnen het LNMB worden gehanteerd.

7. Financiën

Voor de periode 1989 - 1993 heeft de Minister van Onderwijs en Wetenschappen het LNMB een startsubsidie toegekend. Daarna hebben de instellingen via een jaarlijkse bijdrage gezorgd voor het voortbestaan van het LNMB. De gelden wordt beheerd door de penvoerende instelling. Betalingen behoeven de goedkeuring van de Wetenschappelijk Directeur, die gehouden is aan regels die door het Dagelijks Bestuur zijn vastgelegd.

8. Slot

In alle gevallen waarin deze regels niet voorzien, beslist het Dagelijks Bestuur.

9. Operations Research Groups at Dutch Universities and CWI

Nr.	Institution	Research Theme	Projectleader(s)
1a.	CWI	Algorithms, Combinatorics and Optimization	Laurent
1b.	CWI	Communication and computer networks	Van der Mei
2.	EUR	Operations Research	Dekker
3.	WUR	Operations Research	Van der Vorst
4a.	UvT	Operations Research	Van Dam
4b.	UvT/RU	Operations Research and game theory	Borm/Tijs
5a.	UM	Combinatorial optimization	Van Hoesel
5b.	UM	Game theory and optimization	Thuijsman
6.	RUG	Operations Research	Van der Vlerk
7.	UL	Stochastic Operations Research	Kallenberg
8a.	TUD	Interior point methods	Roos
8b.	TUD	Optimization	Aardal
9.	TU/e	Combinatorial optimization and Stochastic OR	Woeginger/Boxma
10.	UvA	Deterministic and Stochastic Operations Research	Van Dijk
11.	UT	Discrete Optimization and Stochastic OR	Boucherie/Uetz
12.	UU	Operations Research	Balder
13a.	VU	Combinatorial Optimization and Stochastic OR	Stougie/Tijms
13b.	VU	Optimization of business processes	Koole

Project 1a. Centre for Mathematics and Computer Science (CWI)
Algorithms, Combinatorics and Optimization

Leader : Dr. M. Laurent.
Address : Centre for Mathematics and Computer Science, Science Park 123, 1098 XG Amsterdam.
Phone : 020 - 5924105; 020 - 5924189 (secretary).
Research staff : Prof.dr.ir. K.I. Aardal, prof.dr. K. Apt, dr. J. Draisma, prof.dr.ir. A.M.H. Gerards, dr. D.C. Gijswijt, dr. F. Horn, dr. M. Laurent, drs. E.J. van Leeuwen, dr. B. Meijer, prof.dr. J.K. Lenstra, F.M. de Oliveira Filho, dr. G. Schaefer, prof.dr. A. Schrijver, prof.dr. L. Stougie, dr. F. Vallentin, S.A. Witzel, dr. D. Wojtczak, .A. Zvesper.

Research themes:
1. Combinatorics and optimization.
2. Algorithmic game theory.

Project 1b. Centre for Mathematics and Computer Science (CWI)
Probability and Stochastic Networks

Leader : Prof.dr. R.D. van der Mei.
Address : Centre for Mathematics and Computer Science, Science Park 123, 1098 XG Amsterdam
Phone : 020 - 5924205; 020 - 5924199 (secretary)
Research staff : Prof.dr. J. van den Berg (0.8), dr. K. Dzhaparidze (1.0), drs. R. Egorova (1.0), ir. G.J. Hoekstra (0.4), dr. M.C. van Lieshout (1.0), drs. P.M.D. Lieshout (1.0), prof.dr. R.D. van der Mei (0.8), dr. R. Núñez Queija (0.5), dr. A. Saposznikov (1.0), dr. V. Sidoravicius (1.0), C. Verhoef (1.0), drs. M. Verloop (1.0), drs. W. van der Weij (1.0) and dr. A.P. Zwart (1.0).

Research themes:
1. Performance analysis of communication systems.
2. Spatial stochastics and stochastic processes.
3. Stochastic geometry .

Project 2. Erasmus University Rotterdam
Operations Research

Leader : Prof.dr.ir. R. Dekker.
Address : Econometric Institute, H11-33, Erasmus University Rotterdam, Postbus 1738, 3000 DR Rotterdam
Phone : 010 – 4081274; 010 – 4081264 (secretary).
Research staff : Dr. J. Brinkhuis, prof.dr.ir. R. Dekker, dr. W. van der Heuvel, dr. D. Huisman, dr. A. Gabor, prof. dr. ir. U. Kaymak, dr. D.K. Leegwater, dr. M. Mulder, C. Pince MSc, D. Potthoff MSc, M. Pourakbar MSc, M. Retel Helmrich MSc, R. Spliet MSc, W. van Jaarsveld MSc, prof.dr. A.P.M. Wagelmans.

Research themes:

1. Railway operations optimization (Dekker, Huisman, Potthoff, Wagelmans)
2. Maintenance and reliability analysis (Dekker, van Jaarsveld)
3. Vehicle and ship routing under demand uncertainty (Dekker, Gabor, Spliet)
4. Production planning and inventory control (Dekker, Van de Heuvel, Retel-Helmrich, Wagelmans)
5. Service Logistics (Dekker, Gabor, Pince, Pourakbar, van Jaarsveld)
6. Optimalisering (Brinkhuis)
7. Container and intermodal logistics (Dekker, Pourakbar)
8. OR in Health Care (Dekker, Wagelmans)
9. Reverse logistics (Dekker, van de Heuvel, Pince)
10. Location and network problems (Mulder)

Project 3. Wageningen University
Operations Research and Logistics Group

Leader : Prof.dr.ir. J.G.A.J. van der Vorst.
Address : Hollandseweg 1, 6706 KN Wageningen.
Phone : 0317 – 485645.
Research staff : Dr. E.M.T. Hendrix, Ir. G.D.H. Claassen, dr. R. Haijema, drs. K.G.J. Pauls-Worm, ir. J.C. van Lemmen-Gerdessen, dr. R. Rossi and prof.dr.ir. J.G.A.J. van der Vorst.

Research themes:

1. Supply chain management and design:
   a. Robust demand-driven Agrifood chain networks;
   b. Quality controlled logistics in fresh networks.
2. Decision support models:
   a. OR-models for Agribusiness and food industry
   b. Ontology's and modelling frameworks for simulation studies.
3. Efficient and effective algorithms:
   a. Planning algorithm for Agrifood;
   b. Algorithm for robust design; application of global optimization algorithms.

Project 4a. Tilburg University
Operations Research

Leader : Prof.dr.ir. E.R. van Dam
Address : Department of Econometrics and Operations Research, CentER for Economic Research, Faculty of Economics and Business Administration, Tilburg University, P.O. Box 90153, 5000 LE Tilburg.
Phone : 013 – 4662430
Research staff : Prof.dr. H.A. Akkermans, prof.dr.ir. J. Ashayeri, dr. B.W.M. Bettonvil, dr. J.P.C.Blanc, prof.dr. P.E.M. Borm, dr. R.C.M. Brekelmans, dr.ir. E.R. van Dam, prof.dr.ir. H. Daniels, prof.dr. F.A. van der Duyn Schouten, prof.dr.ir. H.A. Fleuren, dr.ing. W.J.H. van Groenendaal, dr. Gul Gurkan, prof.dr.ir. W.H. Haemers, prof.dr. H.J.M. Hamers, prof.dr.ir. D. den Hertog, dr. K.J.M. Huisman, prof.dr. G. Kant, prof.dr. J.P.C. Kleijnen, dr. E. de Klerk, prof.dr. P.M. Kort, dr.ir. M.J.P. Peeters, dr. M. Quant, dr. J.H. Reijnierse, prof.dr. J.M. Schumacher, dr. R. Sotirov, dr. L.W.G. Strijbosch, prof.dr. A.J.J. Talman, prof.dr. S.H. Tijs, and dr. A.M.B. de Waegenaere.

Research themes:

1. Stochastic Operations Research.
2. Deterministic Operations Research.
3. Simulation.
4. Combinatorial mathematics.
5. Cooperative game theory.

Project 4b. Tilburg University
Operations Research and Game theory

Leaders : Prof.dr. P.E.M. Borm and Prof.dr. S.H. Tijs.
Address : Department of Econometrics and Operations Research, CentER for Economic Research, Faculty of Economics and Business Administration, Tilburg University, P.O. Box 90153, 5000 LE Tilburg.
Phone : 013 - 4663026; 013 - 4662340 (secretary)

Research staff : Prof.dr. P.E.M. Borm, drs. M. Carvalho, drs. B. Ciftci, drs. M. Gerichhausen, drs. S. Grundel, drs. G. van Gulick, prof.dr. H.J.M. Hamers, dr. R. Hendrickx, drs. J. Kleppe, drs. R. Lindelauf, drs. E. Lohmann, prof.dr. H.W. Norde, dr. M. Quant, dr. H. Reijnierse, prof.dr. A.J.J. Talman, prof.dr. S.H. Tijs and dr. M. Voorneveld.

Research themes:

1. Cooperative game theory
2. Non-cooperative game theory
3. Mathematical economics
4. Skill in games
5. Covert network analysis

Project 5a. Maastricht University
Combinatorial optimization

Leader : Prof.dr.ir. C.P.M. van Hoesel.
Address : Department of Quantitative Economics, Faculty of Economics, Maastricht University, P.O. Box 616, 6200 MD Maastricht.
Phone : 043 - 3883727; 043 - 3883835 (secretary).
Research staff : Dr. A. Berger, dr. A. Grigoriev, prof.dr.ir. S. van Hoesel, prof.dr. R. Müller, dr. H. Röglin and dr. T. Vredeveld.

Research themes:

1. Mechanisme design, combinatorial auctions.
2. Network optimization.
3. Planning and scheduling.
4. Approximation..
5. Pricing, Revenue Management.
6. Supply Chain Management

Project 5b. Maastricht University
Game Theory and Optimization

Leader : Dr. F. Thuijsman.
Address : Department of Knowledge Engineerings, Maastricht University, P.O. Box 616, 6200 MD Maastricht.
Phone : 043 - 3883489; 043 - 3883496 (secretary).
Research staff : dr. J.J.M. Derks, drs. J. Heijman, dr. M. Hoffmann, drs. S. Jansen, drs. J.M.H. Karel, dr.ir. J.Kuipers, prof.dr.ir. R.L.M. Peeters, dr. M. Petreczky, dr. G.M. Schoenmakers, dr. F. Thuijsman and dr. R.L. Westra.

Research themes:

1. Strategic optimization in networks (network games, Markov games, gene networks, evolutionary models).
2. Systems biology (signal processing, data mining, pattern recognition) .

Project 6. University of Groningen
Operations Research

Leader : Prof.dr. M.H. van der Vlerk.
Address : Faculty of Economics and Business, University of Groningen, P.O. Box 800, 9700 AV Groningen.
Phone : 050 - 3633816; 050 - 3637491 (secretary).
Research staff : Dr. B. Goldengorin, prof.dr. W.K. Klein Haneveld, D. Krushinsky MSc, prof. dr. G. Sierksma, drs. M.H. Streutker, drs. B.G. Talsma, prof.dr. R.H. Tuenter and prof.dr. M.H. van der Vlerk.

Research themes:

1. Decision making under uncertainty and Stochastic programming (Klein Haneveld, Streutker, van der Vlerk)
2. Combinatorial optimization and quantitative logistics (Goldengorin, Krushinsky, Sierksma, Talsma).
3. Reverse logistics, inventory control and forecasting of demand (Teunter)

Project 7. University of Leiden
Stochastic Operations Research

Leader : Prof.dr. L.C.M. Kallenberg.
Address : Mathematical Institute, University of Leiden, P.O. Box 9512, 2300 RA Leiden.
Phone : 071 – 5277130.
Research staff : Prof.dr. L.C.M. Kallenberg and dr. F.M. Spieksma.

Research themes:

1. Markov decision chains with applications in queueing networks.
2. Markov games.

Project 8a. Delft University of Technology
Interior point methods

Leader : Prof.dr.ir. C. Roos
Address : Faculty of Electrical Engineering, Mathematics and Computer Science, Delft University of Technology, Mekelweg 4, 2628 CD Delft
Phone : 015 - 2782530; 015 - 2787486 (secretary)
Research staff : A. Asadi MSc., Guoyong Gu MSc., B.P. Silalahi MSc. and M. Zangiabadi MSc.
Research themes:

1. Interior point methods for linear and non-linear optimization
2. Randomized (approximation) algorithms
3. Robust optimization

Project 8b. Delft University of Technology
Interior point methods

Leader : Prof.dr.ir. K.I. Aardal
Address : Faculty of Electrical Engineering, Mathematics and Computer Science, Delft University of Technology, Mekelweg 4, 2628 CD Delft
Phone : 015 - 2785093; 015 - 2784109 (secretary)
Research staff : K.I. Aardal, F. von Heymann, D. Sverdlov and F. Vallentin.
Research themes:

1. Integer and combinatorial optimization
2. Semidefinite/convex optimization
3. Harmonic analysis applied to optimization, lattices and optimization

Project 9. Eindhoven University of Technology
Combinatorial optimization; Stochastic Operations Research

Leaders : Prof. dr. G.J. Woeginger and prof.dr.ir. O.J. Boxma
Address : Department of Mathematics and Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone : 040 - 2472412 (Woeginger); 040 - 2472858 (Boxma); 040 - 2473130 (secretary)
Research staff : Dr.ir. I.J.B.F. Adan, ir. P. Beekhuizen, drs. R. Bierbooms, ir. M.A.a. Boon, prof.dr.ir. S.C. Borst, prof.dr.ir. O.J. Boxma, dr. P. Csorba, drs. C.E.J. Eggermont, ir. J.J.J. van den Broek, drs. J. Bruin, M. Firat MSc., prof.dr.ir. A.M.H. Gerards, dr. H. van der Holst, dr.ir. C.A.J. Hurkens, dr. M.T.S.Jonckheere, dr. J.C.M. Keijsper, dr. J.S.H. van Leeuwaarden, dr. E.J. van Leeuwen, prof.dr. J.K. Lenstra, dr. A. Löpker, M. Mnich MSc., dr. R.A. Pendavingh, dr. J.A.C. Resing, dr. S. Shneer, ir. P.M. van de Ven, dr. M. Vlasiou, prof.dr.ir. J. van der Wal, ir. A.C.C. van Wijk, prof.dr. G.J. Woeginger and ir. S. van Zwam.
Research themes:

1. Combinatorial optimization
1.1. Graph and matroid structure theory
1.2. Complexity and approximation
1.3. Enumerative optimization
1.4. Optimization under uncertainty
2. Stochastic operations research
2.1. Random walks and queueing theory
2.2. Performance analysis of computer- and communication systems
2.3. Performance analysis in operations management and logistics
3. The EURANDOM program on Queueing and Performance Analysis

Project 10. University of Amsterdam
Deterministic and Stochastic Operations Research

Leader : Prof. dr. N.M. van Dijk.
Address : Department of Econometrics, Faculty of Economics and Econometrics, University of Amsterdam, Roetersstraat 11, 1018 WB Amsterdam.
Phone : 020 - 5254215; 020 - 5254217 (secretary)
Research staff : Drs. A. Al-Ibrahim, Prof.dr. N.M. van Dijk, dr. C.W. Duin, ir. J.A.M.Hontelez, drs. P. Joustra, dr. H.J.J. van der Sluis, dr. A. Volgenant and prof.dr.ir. J. van der Wal.

Research themes:

1. Markov decision theory (Al-Ibrahim, van der Wal, van Dijk)
2. Performance analysis of service networks (van Dijk, van der Sluis)
3. Exact and bounding results for queueing networks (van Dijk, van der Sluis)
4. Scheduling algorithms and complexity (Duin, van der Sluis)
5. Traveling salesman problem and variants (Volgenant)
6. Graph theory problems (Duin, Volgenant)
7. Polyhedral methods (Volgenant)
8. Inventory models (van der Sluis, van der Wal)
9. Transportation (Al-Ibrahim, Haijema, van Dijk,van der Wal)
10. Daily life applications of stochastic models (van Dijk, van der Sluis)
11. Healthcare logistics (van Dijk, Hontelez, Joustra, van der Wal)
12. OR and simulation (van Dijk, van der Sluis, van der Wal)
13. OR and simulation (van Dijk, van der Sluis)

Project 11. University of Twente
Discrete Optimization and Stochastic Operations Research

Leaders : Prof.dr. R.J. Boucherie and prof.dr. M. Uetz.

Address : Faculty of Electrical Engineering, Mathematics & Computer Science, University of Twente,
P.O. Box 217, 7500 AE Enschede.

Phone : 053- 4893402; 053- 4893434 (secretary).

Research staf : J.W.H. van Bloem MSc, ir. M.J. Bomhoff, M.G.C. Bosman MSc, prof.dr. R.J. Boucherie, prof.dr.ir. H.J. Broersma, dr.ir. T.S.H. Driessen, T. van Essen MSc, Y. Feng, ir. J. Goseling, dr. M. de Graaf, R. de Haan MSc., ir. P. Hölzenspies, prof.dr. J.L. Hurink, dr. W. Kern, N. Kortbeek MSc, dr. N. Litvak, dr. B. Manthey, D.I. Miretskiy MSc., dr. J.C.W. van Ommeren, dr.ir. G. Post, X. Qiu, dr.ir. W.R.W. Scheinhardt, dr. G.J. Still, prof.dr. M. Uetz, P. Vanberkel MSc, dr. J.B. Vink-Timmer, Y. Volkovich MSc., J. Wu MSc, M. Zonderland MSc. and A. Zwartjes MSc

Research themes:

1. Discrete Mathematics & Mathematical Programming:
   - Combinatorial optimization, approximation algorithms, online algorithms, continuous optimization, graph theory, scheduling, timetabling, routing, pricing.
2. Game Theory:
   - Cooperative game theory, noncooperative game theory, stochastic game theory, algorithmic game theory, mechanism design.
3. Stochastic Operations Research:
   - Telecommunication systems, queuing network analysis, large deviations, fluid models, pricing, wireless networks, IP networks.
4. Supply chain management:
   - Manufacturing, scheduling, logistics, inventory models, reliability, maintenance, spare parts planning and control.
5. Health care logistics

Project 12. University of Utrecht
Operations Research

Leader : Prof.dr.ir. E.J. Balder

Address : Department of Mathematics, University of Utrecht, Budapestlaan 6, 3508 TA Utrecht.

Phone : 030 - 2531458; 030 - 2531420 (secretary)

Research staff : Prof.dr.ir. E.J. Balder and dr. A. Gnedin.

Research themes:

1. Generalized solutions in game theory, optimal control and mathematical economics
2. Probabilistic methods in combinatorics
3. Search and sorting algorithms

Project 13a. VU University Amsterdam
Combinatorial Optimization and Stochastic Operations Research

Leaders : Prof.dr. L. Stougie and prof.dr. H.C. Tijms
Address : Department of Econometrics and OR, VU University Amsterdam,
De Boelelaan 1105, 1081 HV Amsterdam
Phone : 020 - 5986013
Research staff : Dr. G.J. Franx, dr. J. Gromicho, dr. B. Heidergott, B. Kaynar MSc., dr. D.A. van der Laan, dr. R.D. Nobel, dr. A.A.N. Ridder, dr. G. Schaefer, dr.ir. R.A. Sitters, prod.dr. L. Stougie, prof.dr. H.C. Tijms, prof.dr. G.T. Timmer, W. Wolk-Makarewicz MSc. and T. Yuan MSc.

Research themes:

1. Combinatorial Optimisation
1.1. Algorithms: complexity and approximation
1.2. Algorithmic game theory
1.3. On-line algorithms
1.4. Computational biology
2. Stochastic Operations Research
2.1. Markov decision algorithms for controlled queuing systems
2.2. Analysis and simulation of probabilities for rare events
2.3. Perturbation analysis and simulation techniques
2.4. Numerical algorithms based on Taylor series expansion.
2.5. Stochastic programming

Project 13b. VU University Amsterdam
Optimization of Business Processes

Leader : Prof.dr. G.M. Koole
Address : Department of Mathematics, VU University Amsterdam,
De Boelelaan 1081a, 1081 HV Amsterdam
Phone : 020 - 4447755
Research staff : Dr. R. Bekker, dr. S. Bhulai, drs. M. Bijvank, prof.dr. R.D. van der Mei, drs. P. Out, V. Rai MSc., drs. A. Roubos, drs. D. Roubos, drs. R. Yang and dr. A.P. Zwart.

Research themes:

1. Performance modeling of communication systems
2. Theory and applications of controlled queueing systems

10. List of PhD Students

1. Ahmad, MSc. M., Department of Operations Research, University of Tilburg, P.O. Box 90153, 5000 LE Tilburg.
   Expiration date: 31-12-2011 Supervisor : Den Hertog
   Phone office : 013-4662733 E-mail : m.ahmad@uvt.nl
2. Al-Ibrahim, Drs. A., Faculteit Economie en Bedrijfskunde, Universiteit van Amsterdam, Roetersstraat 11, 1018 WB Amsterdam.
   Expiration date: 01-12-2009 Supervisor : Van der Wal
   Phone office : 020 - 5255386 E-mail : a.al-ibrahim@uva.nl
3. Alvarez, E., School of Management and Governance, University of Twente, P.O. Box 217, 7500 AE Enschede.
   Expiration date: 24-11-2012 Supervisor : Van der Heijden
   Phone office : 053-4894062 E-mail : e.m.alvarez@utwente.nl
4. Asadi, A., EWI Room HB 07-160, Delft University of Technology, Mekelweg 4, 2628 CD Delft.
   Expiration date: 01-01-2010 Supervisor : Roos
   Phone office : 015-2782538 E-mail : a.asadi@tudelft.nl
5. Baarsma, Ir. H.E., Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede.
   Expiration date: 01-12-2008 Supervisor : Hurink
   Phone office : 053-4893798 E-mail : h.e.baarsma@utwente.nl
6. Beekhuizen, Ir. P., EURANDOM, P.O. Box 513, 5600 MB Eindhoven.
   Expiration date: 30-11-2009 Supervisor : Boxma/Resing
   Phone office : 040-2478104 E-mail : beekhuizen@eurandom.tue.nl
7. Bierbooms, MSc. J.J.P.H., Dept. of Mathematics & Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
   Expiration date: 01-05-2012 Supervisor : Adan
   Phone office : 040-2474768 E-mail : r.bierbooms@tue.nl
8. Bijvank, M., Department of Mathematics, VU University Amsterdam, De Boelelaan 1081a, 1081 HV Amsterdam.
   Expiration date: 01-02-2009 Supervisor : Koole
   Phone office : 020-5987677 E-mail : mbijvank@few.vu.nl
9. Bloem, MSc. J.W.H. van, Gebouw Zilverling, University of Twente, P.O. Box 217, 7500 AE Enschede.
   Expiration date: 15-10-2012 Supervisor : Boucherie/Heijenk/Schiphorst
   Phone office : 053-4893551 E-mail : j.w.h.vanbloem@ewi.utwente.nl
10. Boer, Drs. A.V. den, CWI Amsterdam, Science Park 123, 1098 XG Amsterdam.
    Expiration date: 31-10-2012 Supervisor : Van der Mei/Zwart
    Phone office : E-mail : a.v.den.boer@cwi.nl
11. Bomhoff, M., Dept. of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede.
    Expiration date: 18-10-2011 Supervisor : Still
    Phone office : 053-4893421 E-mail : m.j.bomhoff@utwente.nl
12. Boulaksil, ir. Y., Fac. Technology Management, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
    Expiration date: 31-12-2009 Supervisor : Fransoo
    Phone office : 040-2472227 E-mail : y.boulaksil@tue.nl
13. Bouman, N., CWI Amsterdam, Science Park 123, 1098 XG Amsterdam.
    Expiration date: 01-10-2012 Supervisor : van der Mei
    Phone office : 020-5924168 E-mail : n.j.bouman@cwi.nl
14. Broek, Ir. J.J.J. van den, Dept. of Mathematics and Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
    Expiration date: 01-09-2009 Supervisor : Hurkens
    Phone office : 040-2472593 E-mail : j.j.j.v.d.broek@tue.nl
15. Bruin, drs. J., EURANDOM, Eindhoven University of Technology, Den Dolech 2, 5612 AZ Eindhoven.
    Expiration date: 01-05-2010 Supervisor : Boxma/De Kok/Van der Wal
    Phone office : 040-2478111 E-mail : bruin@eurandom.tue.nl
16. Büyükkaramikli, N.G., Department of Technology Management, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
    Expiration date: 10-01-2011 Supervisor : Bertrand/Van Ooijen
    Phone office : 020-2472637 E-mail : n.c.buyukkaramikli@tue.nl

17. Chen, C.M., Rotterdam School of Management, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
    Expiration date: 14-11-2009 Supervisor : Van Nunen/Van Dalen
    Phone office : 010-4082798 E-mail : cchen@rsm.nl
18. Ciftci, B.B., CenTER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg.
    Expiration date: 01-09-2008 Supervisor : Borm/Hamers
    Phone office : 013-4662051 E-mail : b.b.ciftci@uvt.nl
19. Coenen, Ir. T.J.M., Capitool E104, University of Twente, P.O. Box 217, 7500 AE Enschede.
    Expiration date: 01-09-2009 Supervisor : Boucherie/Van den Berg
    Phone office : 053-4893940 E-mail : coenentjm@ewi.utwente.nl
20. Corbacioglu, U. MSc., Decision and Information Science, RSM Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
    Expiration date: 01-09-2008 Supervisor : Van Nunen/Van der Laan
    Phone office : 010-4082032 E-mail : ucorbacioglu@rsm.nl
21. Corman, F., Transport & Planning, Delft University of Technology, Stevinweg 1, 2600 GA Delft.
    Expiration date: 01-02-2011 Supervisor : Hansen
    Phone office : 015-2784914 E-mail : f.corman@tudelft.nl
22. Curşeu, A. MSc., Dept. of Technology Management, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
    Expiration date: 01-05-2009 Supervisor : Fransoo/Van Woensel
    Phone office : 040-2473892 E-mail : a.curseu@tm.tue.nl
23. Dabia, Ir. S., Department of Technology Management, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
    Expiration date: 01-05-2011 Supervisor : Van Woensel/ De Kok
    Phone office : 040-2474432 E-mail : s.dabia@tue.nl
24. Diepen, Drs. G., Department of Information and Computing Science, University of Utrecht, Padualaan 14, 3584 CH Utrecht.
    Expiration date: 15-07-2008 Supervisor : Hoogeveen/Van de Akker
    Phone office : 030-2539857 E-mail : diepen@cs.uu.nl
25. Dimitrova, MSc. D., EWI, University of Twente, Drienerlolaan 5, 7522 NB Enschede.
    Expiration date: 01-08-2010 Supervisor : Van den Berg
    Phone office : E-mail : d.c.dimitrova@ewi.utwente.nl
26. Diris, MSc. B., Department Quantitative Economics, University of Maastricht, Tongersestraat 53, 6211 LM Maastricht.
    Expiration date: 01-09-2010 Supervisor : Palm/Schotman
    Phone office : 043-3883883 E-mail : b.diris@finance.unimaas.nl
27. Dobre, C., Tilburg University, Warandelaan 2, 5000 LE Tilburg.
    Expiration date: 01-01-2011 Supervisor : De Klerk
    Phone office : 013-4663178 E-mail : c.dobre@uvt.nl
28. Dollevoet, MSc. T., Econometric Institute, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
    Expiration date: 31-12-2012 Supervisor : Wagelmans
    Phone office : 010-4088940 E-mail : dollevoet@ese.eur.nl
29. Driesen, Drs. B., Department of Quantitative Economics, Maastricht University, P.O. Box 616, 6200 MD Maastricht.
    Expiration date: 15-02-2010 Supervisor : Peters
    Phone office : 043-3883761 E-mail : b.driesen@ke.unimaas.nl
30. Eggermont, Drs. C., Department of Mathematics & Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
    Expiration date: 01-10-2011 Supervisor : Woeginger/Hurkens
    Phone office : 040-2472593 E-mail : c.e.j.eggermont@tue.nl
31. Es-Saghouani, Drs. A., Faculty of Science, University of Amsterdam, Plantage Muidergracht 24, 1018 TV Amsterdam.
    Expiration date: 31-01-2010 Supervisor : Mandjes/Spreij
    Phone office : 020-5256097 E-mail : aessagho@science.uva.nl
32. Farenhorst Yuan, Drs. T., Econometrics & Operations Research, Vrije Universiteit van Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam.
    Expiration date: 01-09-2009 Supervisor : Tijms/Heidergott
    Phone office : 020-5986169 E-mail : tyuan@feweb.vu.nl
33. Filatova, MSc. T., University of Twente, Drienerlolaan 5, 7522 NB Enschede.
    Expiration date: 15-03-2009 Supervisor : Van der Veen
    Phone office : 053-4891013 E-mail : T.Filatova@ctw.utwente.nl

34. Firat, MSc. M., Mathematics and Computer Science, Eindhoven Universitty of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 14-09-2011 Supervisor : Hurkens
Phone office : 040-2472421 E-mail : m.firat@tue.nl

35. Gabali, O., Pav. E17, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 01-10-2010 Supervisor : Van Woensel
Phone office : 040-2474432 E-mail : o.gabali@tm.tue.nl

36. Gerichhausen, MSc. M., Dept. Econometrics & OR, Tilburg University, P.O. Box 90153, 5000 LE Tilburg.
Expiration date: 01-07-2009 Supervisor : Hamers
Phone office : E-mail : m.gerichhausen@uvt.nl

37. Gharehgozli, A.H., Rotterdam School of Management, Erasmus University, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 01-01-2012 Supervisor : Koster/Yu
Phone office : 010-4082027 E-mail : agharehgozli@rsm.nl

38. Gong, Y., Dept. of Management of Techn. & Innovation, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 01-02-2010 Supervisor : De Koster
Phone office : 010-4082920 E-mail : ygong@rsm.nl

39. Greeuw, S., University of Amsterdam, P.O. Box 19268, 1000 GG Amsterdam.
Expiration date: Supervisor :
Phone office : E-mail : sgreeuw@science.uva.nl

40. Gu, G., Room HB 07 160, Delft University of Technology, Mekelweg 4, 2628 CD Delft.
Expiration date: 20-09-2009 Supervisor : Roos
Phone office : 015-2782538 E-mail : g.y.gu@ewi.tudelft.nl

41. Haan, MSc. R. de, Faculty of EEMCS, University of Twente, P.O. Box 217, 7500 AE Enschede.
Expiration date: 01-04-2009 Supervisor : Boucherie
Phone office : 053-4893442 E-mail : r.dehaan@ewi.utwente.nl

42. Haensel, A., VU Amsterdam, De Boelelaan 1081a, 1081 HV Amsterdam.
Expiration date: 01-09-2012 Supervisor : Koole
Phone office : 020-5987687 E-mail : ahaensel@few.vu.nl

43. Heideveld, Ir. S.A., University of Twente, P.O. Box 217, 7500 AE Enschede.
Expiration date: 15-07-2009 Supervisor : Boucherie/Vink-Timmer
Phone office : 053-4893431 E-mail : s.a.heideveld@utwente.nl

44. Hendriks, Ir. M.P.M., Building Whoog - 1.115, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 01-02-2009 Supervisor : Udding
Phone office : 040-2473578 E-mail : m.p.m.hendriks@tue.nl

45. Hendriksen, Ir. C.J.H., Operational Methods and Production Logistics, University of Twente, P.O. Box 217, 7500 AE Enschede.
Expiration date: 01-12-2008 Supervisor :
Phone office : 053-4895480 E-mail : c.j.h.hendriksen@bbt.utwente.nl

46. Heule, Dr.ir. M.J.H., EWI, Delft Unversity of Technology, Mekelweg 4, 2628 CD Delft.
Expiration date: 01-04-2008 Supervisor : Van Maaren
Phone office : 015-2787263 E-mail : M.J.H.Heule@ewi.tudelft.nl

47. Heydenreich, B., Dept. of Quantitative Economics, Maastricht University, P.O. Box 616, 6200 MD Maastricht.
Expiration date: 01-10-2008 Supervisor : Uetz/Müller
Phone office : 043-3883815 E-mail : b.heydenreich@ke.unimaas.nl

48. Hoen, MSc. K., Pav. E15, Eindhoven University of Technology, Den Dolech 2, 5600 MB Eindhoven.
Expiration date: 30-06-2012 Supervisor : Houtum
Phone office : 040-2472637 E-mail : k.m.r.hoen@tue.nl

49. Hoorn, drs. J. van, FEWEB, VU Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam.
Expiration date: 01-09-2012 Supervisor : Timmer
Phone office : 020-5986010 E-mail : jhoorn@feweb.vu.nl

50. Hulshof, Ir. P., MB-OMPL, University of Twente, P.O. Box 217, 7500 AE Enschede.
Expiration date: 01-09-2012 Supervisor : Boucherie/Hans
Phone office : 053-4894715 E-mail : p.j.h.hulshof@utwente.nl

51. Hutzschenreuter, A., Dept. of Technology Management, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 01-03-2009 Supervisor : La Poutré
Phone office : 040-2475517 E-mail : a.k.hutzschenreuter@tm.tue.nl
52. Iatskiv, N., Mathematics for Industry, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: Supervisor : Eijndhoven
Phone office : 040-2474761 E-mail : n.iatskiv@tue.nl
53. Ivanovs, MSc. I., Eurandom, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 01-08-2011 Supervisor : Boxma/Mandjes
Phone office : 040-2478125 E-mail : ivanovs@eurandom.tue.nl
54. Jaarsveld, W. van, Econometric Institute, Erasmus University, Burgemeester Oudlaan 50, 3062 PA Rotterdam.
Expiration date: 30-04-2012 Supervisor : Dekker
Phone office : 010-4081472 E-mail : wvanjaarsveld@hotmail.com
55. Jackels, MSc. B., Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 15-09-2011 Supervisor : Fleischmann
Phone office : 010-4081567 E-mail : bjackels@rsm.nl
56. Jalil, M., Dept. of Decision & Information Sciences, RSM Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 01-02-2010 Supervisor : Zuidwijk/Van Nunen
Phone office : 010-4081414 E-mail : jalil@rsm.nl
57. Jancura, P., Intelligent systems, FNWI, Radboud University Nijmegen, P.O. Box 9010, 6500 GL Nijmegen.
Expiration date: 01-02-2012 Supervisor : Marchiori
Phone office : 024-3652634 E-mail : jancura@cs.ru.nl
58. Jansen, Ir. M., Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 01-09-2011 Supervisor : De Kok/Fransoo
Phone office : 040-2472505 E-mail : m.jansen@tue.nl
59. Janssen, Drs. E., Tilburg University, P.O. Box 90153, 5000 LE Tilburg.
Expiration date: 01-09-2009 Supervisor : Den Hertog/Strijbosch
Phone office : 013- 4663244 E-mail : e.janssen_1@uvt.nl
60. Ju, S., Dept of Technology Management, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 31-12-2009 Supervisor : de Kok/Kiesmüller
Phone office : 040-2472205 E-mail : s.ju@tm.tue.nl
61. Karaarslan, MSc. A. G., Department of Technology Management, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 01-02-2012 Supervisor : De Kok/Kiesmueller
Phone office : 040-2473850 E-mail : a.g.karaarslan@tue.nl
62. Karel, J.M.H., Dept of Knowledge Engineering, Maastricht University, P.O. Box 616, 6200 MD Maastricht.
Expiration date: 31-08-2008 Supervisor : Peeters
Phone office : 043-3882096 E-mail : joel.karel@math.unimaas.nl
63. Kaynar, MSc. B., Faculteit der Econ. Wetenschappen & Bedrijfskunde, Vrije Universiteit Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam.
Expiration date: 01-09-2011 Supervisor : Ridder
Phone office : 020-5986169 E-mail : bkaynar@feweb.vu.nl
64. Kemper, MSc. B., University of Amsterdam, Plantage Muidergracht 24, 1018 TV Amsterdam.
Expiration date: 01-08-2011 Supervisor : Mandjes
Phone office : 020-5256244 E-mail : bkemper@science.uva.nl
65. Kilic, O.A., Faculty of Economics and Business, University of Groningen, P.O. Box 800, 9700 AV Groningen.
Expiration date: 01-11-2010 Supervisor : Van Donk/Wijngaard
Phone office : 050-3638231 E-mail : o.a.kilic@rug.nl
66. Kleppe, J., Operations Research, Tilburg University, Warandalaan 2, 5037 AB Tilburg.
Expiration date: 01-09-2009 Supervisor : Borm
Phone office : 013-4668233 E-mail : j.kleppe@uvt.nl
67. Klomparends, MSc. L., Faculty of Sciences, Vrije Universiteit Amsterdam, De Boelelaan 1081A, 1081HV Amsterdam.
Expiration date: 01-09-2010 Supervisor :
Phone office : 0612464996 E-mail : lsklompa@cs.vu.nl

68. Kok, A.L., Faculty of Management & Governance, University of Twente, P.O. Box 217, 7500 AE Enschede.
Expiration date: 01-05-2010 Supervisor : Zijm/Schutten/Hans
Phone office : 053-4894164 E-mail : a.l.kok@utwente.nl

69. Koochaki, J., Faculty of Economics and Business, University of Groningen, P.O. Box 800, 9700 AV Groningen.
Expiration date: 01-02-2011 Supervisor : Wortmann
Phone office : 050-3632917 E-mail : j.koochaki@rug.nl

70. Kortbeek, MSc. N., Faculty of El. Engineering, Math. & Comp. Sciences, University of Twente, P.O. Box 217, 7500 AE Enschede.
Expiration date: 01-09-2012 Supervisor : Boucherie
Phone office : 053-4893434 E-mail : n.kortbeek@ewi.utwente.nl

71. Kourmpetis, Y., Mathematics and Statistics Group, Biometris, Wageningen University, Bornsesteeg 47, 6708 OD Wageningen.
Expiration date: 01-01-2010 Supervisor : Ter Braak
Phone office : 0317-480864 E-mail : yiannis.kourmpetis@wur.nl

72. Krushinsky, D., Faculty of Economics and Business, University of Groningen, P.O. Box 72, 9700 AB Groningen.
Expiration date: 31-08-2012 Supervisor : Goldengorin
Phone office : 050-3633753 E-mail : d.krushinsky@rug.nl

73. Langestraat, R. MSc., Departement Etrie, Tilburg University, Warandelaan 2, 5037 AB Tilburg.
Expiration date: 01-01-2012 Supervisor : Gürkan
Phone office : 013-4663425 E-mail : r.langestraat@uvt.nl

74. Larco, MSc. J.A., Room T 10-34, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 01-03-2010 Supervisor : Koster/Roodbergen/Dul
Phone office : 010-4082544 E-mail : jlarco@rsm.nl

75. Leahu, H., Faculty of Economic Sciences, Vrije Universiteit Amsterdam, De Boelelaan 1105, 1018 HV Amsterdam.
Expiration date: 01-04-2008 Supervisor : Heidergott
Phone office : 020-4446016 E-mail : hleahu@feweb.vu.nl

76. Lohmann, MSc. E., EOR Department Room K518, Tilburg University, P.O. Box 90253, 5000 LE Tilburg.
Expiration date: 01-10-2011 Supervisor : Borm
Phone office : 013-4662052 E-mail : e.r.m.a.lohmann@uvt.nl

77. Ma, Ir. Y., Delft University of Technology, Burg. Oudlaan 50, 3062 PA Rotterdam.
Expiration date: 01-03-2009 Supervisor : Nunen
Phone office : 010-4089783 E-mail : yma@rsm.nl

78. Madadi, MSc. A., Faculty of Economics and Business, University of Groningen, P.O. Box 800, 9700 AV Groningen.
Expiration date: 01-01-2011 Supervisor : Gaalman
Phone office : 050-3638564 E-mail : a.madadi@rug.nl

79. Mahr, T., AITIA International, 1039 Budapest, Czetz János u. 48-50, Budapest, Hungary.
Expiration date: 01-07-2008 Supervisor :
Phone office : E-mail : tamas.mahr.gmail.com

80. Mansouri, H., EWI, Delft Unversity of Technology, Mekelweg 4, 2628 CD Delft.
Expiration date: 16-06-2008 Supervisor : Roos
Phone office : 015 2787260 E-mail : H.Mansouri@tudelft.nl

81. Mao, MSc. X., Department of Computer Science, University of Maastricht, Tongerestraat 6, 6211 LN Maastricht.
Expiration date: 15-09-2009 Supervisor : Van de Herik/Postma
Phone office : 010-4049444 E-mail : xiaoyu@almende.com

82. Marbán, MSc. S., Fac. of Economics & BA, Maastricht University, P.O. Box 616, 6200 MD Maastricht.
Expiration date: 01-09-2011 Supervisor : Vredeveld
Phone office : 06-53830306 E-mail : s.marban@ke.unimaas.nl

83. Marchal, ir. B., Quantitive Economy, University of Maastricht, P.O. Box 616, 6200 MD Maastricht.
Expiration date: 01-09-2009 Supervisor : Van Hoesel
Phone office : 043-3883627 E-mail : b.marchal@ke.unimaas.nl

84. Meuffels, MSc. W.J.M., Department of Econometrics & OR, CentER Applied Research, University of Tilburg, P.O. Box 901 53, 5000 LE Tilburg.
Expiration date: 01-10-2011 Supervisor : Fleuren
Phone office : 06-44988127 E-mail : inekemeuffels@hotmail.com

85. Meulenberg, MSc. M., Department Econometrics & Operations research, Tilburg University, P.O. Box 90153, 5000 LE Tilburg.
Expiration date: 01-11-2012 Supervisor :
Phone office : E-mail : m.a.meulenberg@uvt.nl

86. Miretsky, D.I., Dept. of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede.
Expiration date: 15-09-2009 Supervisor : Scheinhardt
Phone office : 053-4893940 E-mail : d.miretskiy@utwente.nl

87. Mnich, M., Dept. of Mathematics & Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 30-09-2010 Supervisor : Woeginger
Phone office : 040-2472348 E-mail : m.mnich@tue.nl

88. Naeemi, MSc. S.H., Department of Quantiative Economics, Maastricht University, Tongersestraat 53, 6211 LM Maastricht.
Expiration date: 01-01-2010 Supervisor : Müller
Phone office : 043-3883695 E-mail : h.naeemi@ke.unimaas.nl

89. Netjes, Ir. M., Faculty of Technology & Management, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 01-11-2008 Supervisor : Reijers/Aalst
Phone office : 040-2473703 E-mail : m.netjes@tue.nl

90. Ngubiri, Drs. J., Fac. of Science, Math. and Comp. Science, Nijmegen Institute of Comp. and Inf. Science, P.O. Box 9010, 6500 GL Nijmegen.
Expiration date: 01-11-2008 Supervisor : Van Vliet/Weide
Phone office : 024-3652085 E-mail : ngubiri@cs.ru.nl

91. Nguyen Phan, B.S., Fac. of Economics & Business, University of Groningen, P.O. Box 800, 9700 AV Groningen.
Expiration date: 30-09-2012 Supervisor : Land
Phone office : 050-3638317 E-mail : snguyen.phan@rug.nl

92. Nielsen, L.K. MSc., RSM Erasmus University, Burgemeester Oudlaan 50, 3062 PA Rotterdam.
Expiration date: 01-10-2010 Supervisor : Kroon
Phone office : 010-4082775 E-mail : lnielsen@rsm.nl

93. Oliveiro Filko, F.M. de, CWI, Science Park 123, 1098 XG Amsterdam.
Expiration date: 15-11-2009 Supervisor : Schrijver
Phone office : 020-5924170 E-mail : f.m.de.oliveiro.filho@cwi.nl

94. Öner, K.B., TM/OPAC, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 01-03-2010 Supervisor : Van Houtum
Phone office : 040-2472505 E-mail : k.b.oner@tm.tue.nl

95. Oord, MSc. A. van, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 01-09-2010 Supervisor : Van Dijk
Phone office : 010-4088908 E-mail : vanoord@few.eur.nl

96. Out, MSc. P., Faculteit der Exacte Wetenschappen, Vrije Universiteit Amsterdam, De Boelelaan 1083, 1081 HV Amsterdam.
Expiration date: 01-09-2011 Supervisor : Koole
Phone office : 020-5987779 E-mail : paulien@few.vu.nl

97. Pauls- Worm, Drs. K.G.J., Leerstoelgroep Operationele Research & Logistiek, Wageningen University, Hollandseweg 1, 6706 KN Wageningen.
Expiration date: 31-12-2012 Supervisor : Van der Vorst
Phone office : 0317-484729 E-mail : karin.pauls@wur.nl

98. Paulus, ir. J.J., Dept. of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede.
Expiration date: 01-05-2009 Supervisor : Hurink
Phone office : 053-4893421 E-mail : j.j.paulus@ewi.utwente.nl

99. Petrova, S., Tinbergen Institute, Roetersstraat 31, 1018 WB Amsterdam.
Expiration date: 01-09-2008 Supervisor : Goeree
Phone office : 020 5513546 E-mail : petrova@tinbergen.nl

100. Pince, C., Faculty of Economics, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 01-12-2009 Supervisor : Dekker
Phone office : 010-4088940 E-mail : pince@few.eur.nl

101. Planken, Ir. L.R., Faculteit EWI, Delft University of Technology, P.O. Box 5031, 2600 GA Delft.
Expiration date: 01-03-2012 Supervisor : De Weerdt
Phone office : 015-2786676 E-mail : l.r.planken@tudelft.nl

102. Potthoff, D., Econometric Institute, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 01-11-2009 Supervisor : Wagelmans
Phone office : 010-4088940 E-mail : potthoff@few.eur.nl

103. Pourakbar, M. MSc., ERIM, Erasmus University, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 01-01-2011 Supervisor : Dekker
Phone office : 010-4088903 E-mail : pourakbar@few.eur.nl

104. Pupâzan, E., Vrije Universiteit van Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam.
Expiration date: Supervisor : swarttouw
Phone office : E-mail : elena.pupazan@gmail.com

105. Rai, V., FEW, Vrije Universiteit Amsterdam, Boelelaan 1081, 1081 HV Amsterdam.
Expiration date: 01-04-2009 Supervisor : van Steen/Koole
Phone office : 020-5987673 E-mail : viveky@few.vu.nl

106. Reijnen Koens, Ir. I.C., Faculty Tenchnology Management, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 01-09-2010 Supervisor : Van Houtum
Phone office : 040-2472826 E-mail : i.c.reijnen@tue.nl

107. Rennen, MSc. BSc. G., Operations Researchs & Management Science, Tilburg University, P.O. Box 90153, 5000 LE Tilburg.
Expiration date: 01-09-2009 Supervisor : Den Hertog/Van Dam
Phone office : 013-4662430 E-mail : g.rennen@uvt.nl

108. Retel Helmrich, MSc. M., ERIM, Faculty of Economics, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 01-01-2011 Supervisor : Wagelmans
Phone office : 010-4088902 E-mail : retelhelmrich@few.eur.nl

109. Rooij, MSc. J.M.M. van, Department of Information and Computing Sciences, Utrecht University, P.O. Box 80089, 3508 TB Utrecht.
Expiration date: 01-09-2011 Supervisor : Bodlaender
Phone office : 06-22458445 E-mail : johanvr@cs.uu.nl

110. Roubos, A., Faculteit der Exacte Wetenschappen, Vrije Universiteit Amsterdam, De Boelelaan 1081a, 1081 HV Amsterdam.
Expiration date: 31-08-2012 Supervisor : Koole
Phone office : 020-5987687 E-mail : aroubos@few.vu.nl

111. Roubos, MSc. D., Faculteit. der Exacte Wetenschappen, Vrije Universiteit Amsterdam, De Boelelaan 1081a, 1081 HV Amsterdam.
Expiration date: 31-08-2010 Supervisor : Bhulai
Phone office : 020-5987673 E-mail : droubos@few.vu.nl

112. Rutten, MSc. C., Faculty of economics Room A4,18, Maastricht University, Tongersestraat 53, 6211 LM Maastricht.
Expiration date: 31-08-2012 Supervisor : Klundert/Vredeveld
Phone office : 06 41168100 E-mail : c.rutten@student.unimaas.nl

113. Silalahi, Ir. B.P., M. Komp, Faculty of EEMCS, Delft University of Technology, Mekelweg 4, 2628 CD Delft.
Expiration date: 2009 Supervisor : Roos
Phone office : 015-2787271 E-mail : b.p.silalahi@ewi.tudelft.nl

114. Sinkovic, MSc. J., Department of Mathematics and Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 1-9-2011 Supervisor : Pendavingh/Van der Holst
Phone office : 040-2475272 E-mail : j.sinkovic@tue.nl

115. Spliet, MSc. R., kamer H9-20, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: Supervisor : Dekker
Phone office : 06-34317760 E-mail : spliet@few.eur.nl

116. Srour, F.J., Department of Management of Technology & Innovation, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 01-03-2010 Supervisor : Zuidwijk
Phone office : 010-4082195 E-mail : jsrour@rsm.nl

117. Stotyka, Y., Tinbergen Institute, Roetersstraat 31, 1018 WB Amsterdam.
Expiration date: 01-09-2008 Supervisor : Hinloopen
Phone office : 020-5513500 E-mail : stotyka@tinbergen.nl

118. Streutker, Drs. M.H., Faculty of Economics and Business, University of Groningen, P.O. Box 800, 9700 AV Groningen.
Expiration date: 01-11-2008 Supervisor : Klein Haneveld/Van der Vlerk
Phone office : 050-3637056 E-mail : m.h.streutker@rug.nl

119. Sverdlov, D., Dept. DIAM, Delft University of Technology, Mekelweg 4, 2628 CD Delft.
Expiration date: 31-01-2013 Supervisor : Aardal
Phone office : 015-2784989 E-mail : d.sverdlov@gmx.de

120. Tahmasseby, MSc. S., Faculty of Civil Engineering & Geosciences, Delft University of Technology, Mekelweg 4, 2628 CD Delft.
Expiration date: 01-01-2011 Supervisor : Bovy
Phone office : 015-2784030 E-mail : s.tahmasseby@tudelft.nl

121. Talsma, Drs. B., Faculty of Economics and Business, University of Groningen, P.O. Box 800, 9700 AV Groningen.
Expiration date: 01-01-2011 Supervisor : Sierksma
Phone office : 06-29192613 E-mail : b.g.talsma@rug.nl

122. Tennekes, Drs. M., Dept. of Mathematics, Maastricht University, P.O. Box 616, 6200 MD Maastricht.
Expiration date: 01-11-2008 Supervisor : Thuijsman/Derks
Phone office : 043-3883481 E-mail : martijn.tennekes@math.unimaas.nl

123. Timmer, M., Vakgroep FMT, University of Twente, P.O. Box 217, 7500 AE Enschede.
Expiration date: 01-09-2012 Supervisor : Stoelinga/Van de Pol
Phone office : 053-4893722 E-mail : m.timmer@alumnus.utwente.nl

124. Usotskaya, N., Economics and Business Administration, Maastricht University, P.O. Box 616, 6200 MD Maastricht.
Expiration date: 31-05-2011 Supervisor : Grigoriev
Phone office : 043-3884925 E-mail : n.usotskaya@ke.unimaas.nl

125. Vanberkel, MSc. P., University of Twente, P.O. Box 217, 7500 AE Enschede.
Expiration date: 01-09-2011 Supervisor : Boucherie/Hurink/Hans
Phone office : 053-4895480 E-mail : p.t.vanberkel@utwente.nl

126. Ven, MSc. P. van de, HG 10.14, Eindhoven University of Technology, Den Dolech 2, 5612 AZ Eindhoven.
Expiration date: 01-09-2011 Supervisor : Borst
Phone office : 040-2474768 E-mail : p.m.v.d.ven@tue.nl

127. Verheijen, B., NXP Semiconductors, P.O. Box 80073, 5600 KA Eindhoven.
Expiration date: 31-12-2009 Supervisor :
Phone office : E-mail : bas.verheijen@gmail.com

128. Verhoef, C., CWI, Science Park 123, 1098 XG Amsterdam.
Expiration date: 31-12-2009 Supervisor : Van der Mei
Phone office : 020-5929333 E-mail : c.g.verhoef@cwi.nl

129. Verloop, Drs. I.M., CWI, Science Park 123, 1098 XG Amsterdam.
Expiration date: 01-09-2009 Supervisor : Borst/Nunez Queija
Phone office : 020-5924264 E-mail : maaike@cwi.nl

130. Vermeulen, Ir. B., Pav. E 015, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 01-01-2011 Supervisor : De Kok
Phone office : 040-2472637 E-mail : b.vermeulen@tue.nl

131. Vlajic, MSc. J., Operations Research an Logistic Group, Wageningen University, Hollandseweg 1, 6706 KN Wageningen.
Expiration date: 05-02-2011 Supervisor : Van der Vorst/Hendrix
Phone office : 0317-482321 E-mail : jelena.vlajic@wur.nl

132. Vliegen, ir. I., Industrial Engineering & Management Science, Eindhoven University of Technology, Den Dolech 2, 5600 MB Eindhoven.
Expiration date: 01-10-2009 Supervisor : De Kok/Van Houtum
Phone office : 040-2473892 E-mail : i.m.h.vliegen@tue.nl

133. Volk-Makarewicz, FEWEB, Vrije Universiteit Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam.
Expiration date: 30-09-2012 Supervisor : Heidergott
Phone office : 020-5987147 E-mail : wmakarewicz@feweb.vu.nl

134. Volkovich, Y., EWI, University of Twente, P.O. Box 217, 7500 AE Enschede.
Expiration date: 01-02-2009 Supervisor : Litvak/Boucherie
Phone office : 053-4893442 E-mail : y.volkovich@ewi.utwente.nl

135. Waltman, MSc. L., Faculty of Economics, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 01-04-2009 Supervisor : Dekker/Kaymak
Phone office : 010-4088938 E-mail : lwaltman@few.eur.nl

136. Wijk, MSc. A.C.C. van, Dept. of Mathematics & CS, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven.
Expiration date: 1-11-2011 Supervisor : Boxma/de Kok
Phone office : 040-2474768 E-mail : a.c.c.v.wijk@tue.nl

137. Wu, MSc. M., CWI, Science Park 123, 1098 XG Amsterdam.
Expiration date: 28-02-2010 Supervisor : La Poutré
Phone office : 020-5924198 E-mail : wu@cwi.nl

138. Yang, G., Tinbergen Institute, Roetersstraat 31, 1018 WB Amsterdam.
Expiration date: 01-09-2012 Supervisor : Dekker
Phone office : 06 45229658 E-mail : gyang@tinbergen.nl

139. Yang, MSc. R., Faculty of Sciences, Vrije Universiteit Amsterdam, De Boelelaan 1081a, 1081 HV Amsterdam.
Expiration date: 01-11-2010 Supervisor : Van der Mei/Koole
Phone office : E-mail : ryang@cwi.nl

140. Yu, M., Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 01-03-2008 Supervisor : De Koster
Phone office : 010-4082027 E-mail : M.Yu@rsm.nl

141. Yuan, Drs. T., Vrije Universiteit van Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam.
Expiration date: 01-09-2009 Supervisor : Tijms/Heidergott
Phone office : 020-5986017 E-mail : tyuan@feweb.vu.nl

142. Zaerpour, N., Rotterdam School of Management, Erasmus University, P.O. Box 1738, 3000 DR Rotterdam.
Expiration date: 01-09-2012 Supervisor : Koster/Yu
Phone office : 010-4082619 E-mail : nzaerpour@rsm.nl

143. Zangiabadi, M., Faculty EWI, Delft University of Technology, Mekelweg 4, 2628 CD Delft.
Expiration date: 01-01-2010 Supervisor : Roos
Phone office : 015-2787271 E-mail : m.zangiabadi@ewi.tudelft.nl

144. Zonderland, MSc. M.E., EWI-SOR Room Citadel H127, University of Twente, P.O. Box 217, 7500 AE Enschede.
Expiration date: 01-01-2012 Supervisor : Boucherie
Phone office : 071-5263108 E-mail : m.e.zonderland@lumc.nl

11. List Alumni LNMB (without the persons who are member of the LNMB)

1. Aarts, Dr.ir. H.F.M., Schoolstraat 130, 6512 JJ Nijmegen
   Phone office: 053-4893422 Phone home:
   E-mail : h.f.m.aarts@ewi.utwente.nl
2. Agatz, Dr.ir. N.A.H., School of Industrial & Syst. Eng., Georgia Institute of Technology, , Atlanta, Georgia 30332, USA
   Phone office: Phone home:
   E-mail : nagatz@rsm.nl
3. Akker, Dr.ir. J.M. van den, Departement Informatica, Utrecht University, P.O. Box 80089, 3508 TB Utrecht
   Phone office: 030-2533989 Phone home:
   E-mail : marjan@cs.uu.nl
4. Angun, MSc. M.E., Facult of Engineering and Technology Ortakoy, Galatasaray University, Ciragan Cad. No:36, 34357 Istanbul, Turkey
   Phone office: +90 212 227 4480 ext.378 Phone home:
   E-mail : eangun@gsu.edu.tr
5. Batenburg, Dr. K.J., Vision Lab, Department of Physics, University of Antwerp (CDE), Universiteitsplein 1 (N.1.11), B-2610 Wilrijk, Belgium
   Phone office: +32 (0) 3 820 24 49 Phone home:
   E-mail : joost.batenburg@ua.ac.be
6. Bekker, Dr. R., Dept. of Mathematics, VU University Amsterdam, De Boelelaan 1081a, 1081 HV Amsterdam
   Phone office: 020-5982776 Phone home:
   E-mail : rbekker@few.vu.nl
7. Bhulai, Dr. S., Faculty of Sciences, VU University Amsterdam, Boelelaan 1081a, 1081 HV Amsterdam
   Phone office: 020 - 5987679 Phone home:
   E-mail : sbhulai@few.vu.nl
8. Blank, H. de, Maansteenhof 8, 3402 JN IJsselstein.
   Phone office: Phone home: 030 - 6873251
   E-mail :
9. Bloemhof, Dr. J.M., Dept. of Decisions & Information Sciences, RSM Erasmus University Rotterdam, Postbus 1738, 3000 DR Rotterdam.
   Phone office: 010 - 4082212 Phone home: 0182-573721
   E-mail : jbloemhof@rsm.nl
10. Boef, Dr. E. den, Quintiq, P.O. Box 264, 5201 AG 's-Hertogenbosch
    Phone office: 073-6910739 Phone home:
    E-mail : edgar.den.boef@quintiq.com
11. Bomans MTD, A.J., C.P. Tielestraat 531A1, 3023 TC Rotterdam
    Phone office: 06-53294859 Phone home:
    E-mail : abomans@eurotransplant.nl
12. Bontridder, Dr.ir. K.M.J. de, Mapscape, P.O. Box 6210, 5600 HE Eindhoven
    Phone office: 040-7113562 Phone home:
    E-mail : koen.debontridder@mapscape.eu
13. Boots, Dr. Nam Kyo, Van Swindendwarsstraat 78, 1093 ZA Amsterdam
    Phone office: Phone home:
    E-mail :
14. Borst, Prof.dr.ir. S.C., Department of Mathematics & Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
    Phone office: 040-2475105 Phone home:
    E-mail : sem@win.tue.nl
15. Boucherie, Prof.dr. R.J, Department of Applied Mathematics, Stochastic Operations Research, Faculty of Electrical Engineering, Mathematics, and Computer Science, University of Twente, P.O. Box 217, 7500 AE Enschede
    Phone office: 053 - 4893432 Phone home:
    E-mail : r.j.boucherie@utwente.nl
16. Brito, Dr. M.P. de Brito, Fac. of Technology, Policy & Management, TLO Room C3.010, Delft University of Technology, Jaffalaan 5, 2628 BX Delft
    Phone office: 015-2786375 Phone home: 015-2782719
    E-mail : m.p.debrito@tudelft.nl
17. Broens, Dr. D.F., Beethanol BV / Agrologistiek BV, Nicoline Swijgmanstraat 176, 4822 VL Breda
    Phone office: 06-28848720 Phone home:
    E-mail : df@agrologistiekbv.nl

18. Brouns, Dr.ir. G.A.J.F., Hoogstuk 15, 6651 EK Druten
Phone office: Phone home:
E-mail : g.a.j.f.brouns@tue.nl
19. Byrka, Dr. J., EPFL SB IMA, MA B1 527, Station 8, CH-1015 Lausanne, Switzerland
Phone office: +41 21 69 34392 Phone home:
E-mail : jaroslaw.byrka@epfl.ch
20. Chaerani, Dr. D., Department of Mathematics, Faculty of Mathematics and Natural Sciences, Padjadjaran University, Jalan Raya Bandung Sumedang KM 21, Jatinangor INDONESIA
Phone office: +62 22 7794696 Phone home: +62 813 949 815 91
E-mail : d.chaerani@unpad.ac.id / d_chaerani@yahoo.com
21. Chen, Prof. dr. B., Chair of Operational Research, Warwick Business School, University of Warwick, Coventry, CV3 7AL, United Kingdom
Phone office: +44 24-76524755 Phone home:
E-mail : b.chen@warwick.ac.uk
22. Cheung, Dr. S.K., Bohortplaats 63, 3813 EG Amersfoort
Phone office: Phone home:
E-mail : skcheung@planet.nl
23. Chodyniecki, PDEng. D., Building nr. 4, Holland Office Center, FocusFrame B.V. (Europe Headquarters), Kruisweg 813, 2132 NG Hoofddorp
Phone office: Phone home:
E-mail : dariusz.chodyniecki@focusframe.com
24. Coelho de Pina, Dr. J., Instituto de Matematica e Estatistica, Universidade de Sao Paulo, Rua do Matao 1010, CEP 05508-900, Sao Paulo - SP, Brazil
Phone office: +55-113091-6135 Phone home: +55-1138131024
E-mail : coelho@ime.usp.br
25. Combé, Dr.M.B., AEGON Nederland NV, P.O. Box 202, 2501 EC Den Haag
Phone office: Phone home:
E-mail : mcombe@aegon.nl
26. Cremers, Dr. M.L.A.G.,
Phone office: Phone home:
E-mail : mlag_cremers@hotmail.com
27. Cruijssen, Dr. F.C.A.M., TNT Express, P.O. Box 1006, 6920 BA Duiven
Phone office: 013-4663244 Phone home:
E-mail : frans.cruijssen@tnt.com
28. Dert, Prof. C.L., ABN AMRO Pensionfund, P.O. Box 283 (AF 1440), 10000 EA Amsterdam
Phone office: 020-6287870 Phone home:
E-mail : cees.dert@nl.abnamro.com
29. Diecidue, Dr. E., INSEAD, Boulevard de Constance, 77305 Fontaineblue Cedex, France
Phone office: Phone home:
E-mail : enrico.diecidue@insead.edu
30. Dieker, Dr. A.B., Office 26-250, IBM TJ Watson Research Center, P.O. Box 218, Yorktown Heights, N.Y. 10598, USA
Phone office: +1 914 945 2609 Phone home:
E-mail : t.dieker@proba.ucc.ie
31. Dogru, M.K., Alcatel-Lucent Bell Labs, Blanchardstown Industrial Park, Blanchardstown, Dublin 15, Ireland
Phone office: Phone home:
E-mail : dogru@alcatel-lucent.com
32. Douma, Dr.ir. A.M., Dept. of Operational Meth. & Prod. en Logistics, School of Management & Governance, Cap. 15, University of Twente, Room E106, P.O. Box 217, 7500 AE Enschede
Phone office: 053-4895480 Phone home:
E-mail : a.m.douma@utwente.nl
33. Dragut, Dr. A.B., Lab. D'Informatique Fondamentale, Université Aix-Marseille II (I.U.T.), Av. G. Berger F-13625 Cedex 1, Aix-en-Provence, France
Phone office: Phone home:
E-mail : andreea.dragut@univmed.fr
34. Dreef, Dr. M.R.M., Quintiq Applications BV, P.O. Box 264, 5201 AG 's-Hertogenbosch
Phone office: 073-6910739 Phone home:
E-mail : marcel.dreef@gmail.com
35. Eenige, Dr. M.J.A. van, Dept. ATEP, National Aerospace Laboratory NLR, P.O. Box 90502, 1006 BM Amsterdam.
Phone office: 020-5113383 Phone home:
E-mail : eenige@nlr.nl

36. Egorova, Dr. R., Cardano Risk Management, Beursplein 37, 3011 AA Rotterdam
Phone office: 010-2434794 Phone home:
E-mail : regorova@gmail.com

37. Eijs, Dr. M.J.G van, Oudeland 45, 3645 LM Vinkeveen
Phone office: 020-6491071 Phone home: 0297 - 264539
E-mail : marc-van.eijs@klm.com

38. Estevez Fernandez, Dr. M.A., Dept. of Econometrics & OR, VU University Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam
Phone office: 020-5985483 Phone home:
E-mail : mestevez@feweb.vu.nl

39. Fischer, Dr. S.F., Waldeck Pyrmontlaan 12, 2243 HM Wassenaar
Phone office: Phone home: 06-23138822
E-mail : sponiza@planet.nl

40. Fleischmann, Dr. M., Supply Chain Management, RSM Erasmus University, P.O. Box 1738, 3000 DR Rotterdam
Phone office: 010-4082277 Phone home:
E-mail : mfleischmann@rsm.nl

41. Flesch, Dr. J., Dept. of Quantitative Economics, Maastricht University, P.O. Box 616, 6200 MD Maastricht
Phone office: 043-3883932 Phone home:
E-mail : jflesch@ke.unimaas.nl

42. Flinsenberg, Dr. I.C.M., Philips Research Laboratories, High Tech Campus 34, 5656 AA Eindhoven
Phone office: Phone home:
E-mail : ingrid.flinsenberg@philips.com

43. Gao, X, Dept. Of Econometrics, Fac. of Economics, University of Groningen, P.O. Box 800, 9700 AV Groningen
Phone office: Phone home:
E-mail :

44. Garbe, Dr. R., Fachbereich 2, Hochschule Bremerhaven, An der Karlstadt 8, 27568 Bremerhaven, Germany
Phone office: +49 - 471 - 9448655 Phone home: +49 - 471 - 4190583
E-mail :

45. Ge, L., Business Economics Group, Wageningen University, Hollandsweg 1, 6706 KN Wageningen
Phone office: +31 317485941 Phone home: +31 6 13641591
E-mail : lan.ge@wur.nl

46. Gellekom, Dr. J.R.G. van, Centraal Beheer Achmea, Prins Willem Alexanderlaan 651, 7311 NB Apeldoorn
Phone office: 055-5792079 Phone home:
E-mail : anita.van.gellekom@achmea.nl

47. Gijswijt, Dr. D.C., KdV Institute for Mathematics, Faculty of Sciences, University of Amsterdam, Plantage Muidergracht 24, 1018 TV Amsterdam
Phone office: 020-5255374 Phone home:
E-mail : dion.gijswijt@gmail.com

48. Goossens, Dr. J.W., NATO C3 Agency, Oude Waalsdorperweg 61, 2597 AK Den Haag
Phone office: 070-3743542 Phone home: 070-3743069
E-mail : jan-willem.goossens@n3a.nato.int

49. Gouweleeuw, Dr. F.N., Mckinsey & Company, Amstel 344, 1017 AS Amsterdam
Phone office: 020-5513048 Phone home:
E-mail : frank_gouweleeuw@mckinsey.com

50. Goverde, Dr. R.M.P., Transport & Planning Department, Faculty of Civil Engineering and Geosciences, Delft University of Technology, Stevinweg 1, 2628 CN Delft
Phone office: Phone home:
E-mail : r.m.p.goverde@tudelft.nl

51. Grigoriev, Dr. A., Dept. Of Quantitative Economics, Maastricht University, P.O. Box 616, 6200 MD Maastricht
Phone office: 043-3883853 Phone home:
E-mail : a.grigoriev@ke.unimaas.nl

52. Grigorieva, Dr. E.A., Department BES/BSH, Statistics Netherlands, P.O. Box 4481, 6401 CZ Heerlen
Phone office: 045-5707142 Phone home:
E-mail : egra@cbs.nl

53. Gromicho, Dr. J.A.S., ORTEC Consultants BV, P.O. Box 490, 2800 AL Gouda
Phone office: 0182 - 540500 Phone home:
E-mail : jgromicho@ortec.nl

54. Gvozdenovic, Dr. N., Segedinski put 9-11, 24000 Subotica Serbia
Phone office: +381 24 628 021 Phone home:
E-mail : nebojsa.gvozdenovic@gmail.com

55. Hadianti, Dr. R., Industrial and Financial Mathematics Research Group, Faculty of Mathematics and Natural Sciences, Institut Teknologi Bandung, Jalan Ganesha 10 Bandung 40132, IINDONESIA
Phone office: +62 22 2502545 ext 106 Phone home:
E-mail : hadianti@math.utwente.nl

56. Haijema, Dr. R., Operations Research & Logistics Group, Building 201, Wageningen Universiteit en Research centre, Hollandseweg 1, 6706 KN Wageningen
Phone office: 031-7485976 Phone home:
E-mail : rene.haijema@wur.nl

57. Hendrickx, R.L.P., Dept. Of Econometrics and OR, CenTER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone office: 013-4663176 Phone home:
E-mail : ruud@uvt.nl

58. Hertog, Prof.dr.ir. D. den, Dept. of Econometrics & OR CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone office: 013 - 4662122 Phone home:
E-mail : d.denhertog@uvt.nl

59. Heuvel, Dr. W. van den, Room H11-10, Econometric Institute, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam
Phone office: Phone home:
E-mail : wvandenheuvel@ese.eur.nl

60. Hout, Dr. W.B. van den, Dept. of Medical Decision Making, J10-S, Leiden University Medical Center, P.O. Box 9600, 2300 RC Leiden.
Phone office: 071-5264577 Phone home:
E-mail : W.B.van_den_hout@lumc.nl

61. Huisman, Dr. D., Econometric Institute, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam
Phone office: 010-4081523 Phone home:
E-mail : huisman@few.eur.nl

62. Hunting, Dr.ir. M.M.G., Paragon Decision Technology, Schipholweg 1, 2034 LS Haarlem
Phone office: 023-5511512 Phone home:
E-mail : marcel.hunting@aimms.com

63. Husslage, Dr. B.G.M., Dept. of Financial and Industrial Mathematics, Fontys University of Applied Sciences, P.O. Box 90900, 5000 GA Tilburg
Phone office: 0877-870593 Phone home:
E-mail : husslage@casema.nl

64. Iersel, Dr. L.J.J. van, Dept. of Mathematics & Statistics, University of Canterbury, Private Bag 4800, Christchurch, New Zealand
Phone office: 040-2472348 Phone home:
E-mail : l.j.j.v.iersel@gmail.com

65. Jansen, Dr. B., Stafdirectie Coordinatie Vreemdelingenketen, Ministerie van Justitie, P.O. Box 20302, 2500 EH Den Haag
Phone office: 070-3707780 Phone home:
E-mail : b.jansen@minjus.nl

66. Janssen, Dr. M.A., Center for the Study of Institutional Diversity, School of Human Evolution & Social change, Arizona State University, Box 872402, Tempe, AZ 85287-2402
Phone office: Phone home:
E-mail : marco.janssen@asu.edu

67. Joosten, Dr. R.A.M.G., Dept. of Finance & Accounting, School of Management & Governance, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone office: 053-4894182 Phone home:
E-mail : r.a.m.g.joosten@utwente.nl

68. Kets, W., Santa Fe Institute and Tilburg University, 1399 Hyde Park Road, Santa Fe NM 87501, USA
Phone office: +1 505 946 2782 Phone home:
E-mail : willemien.kets@gmail.com

69. Klerk, Dr. E. de, Dept. Econometrics & OR CenTER, University of Tilburg, P.O. Box 90153, 5000 LE Tilburg
Phone office: 013 - 4662031 Phone home:
E-mail : e.deklerk@uvt.nl

70. Klijn, Dr. F., Institut d'Anàlisi Econòmica, CSIC, Campus UAB, 08193 Bellaterra (Barcelona), Spain
Phone office: +34-93580 6612 Phone home:
E-mail : fklijn@pareto.uab.es
71. Klundert, Prof. dr. J.J. van de, Mateum, Geusseltweg 19c, 6225 XS Maastricht
Phone office: 06-29053825 Phone home:
E-mail : joris@mateum.nl
72. Kock, Ir. A.A.A., WH-1.115, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone office: 040-2473578 Phone home:
E-mail : a.a.a.kock@tue.nl
73. Kort, dr. J. de, Willemswerf - Boompjes 40, Arthur D. Little, P.O. Box 540, 3000 AM Rotterdam
Phone office: 010-2018811 Phone home:
E-mail : dekort.jeroen@adlittle.com
74. Korteweg, Dr. P., Tower G, 3rd floor, World Trade Center Schiphol, APG Investments, P.O. Box 75753, 1118 ZX Schiphol
Phone office: 020-4055911 Phone home:
E-mail : peterkorteweg@hotmail.com
75. Koster, Dr. M.A.L., Room E5.07, ASE, Dept. of Quantitative Economics, University of Amsterdam, Roeterstraat 11, 1018 WB Amsterdam
Phone office: 020-5254226 Phone home:
E-mail : m.a.l.koster@uva.nl
76. Koster, Prof. Dr. ir. A.M.C.A., Lehrstuhl II für Mathematik, RWTH Aachen University, Wüllnerstr. zw 5 u. 7, D-52056 Aachen, Germany
Phone office: +49 24180-94524 Phone home:
E-mail : koster@math2.rwth-aachen.de
77. Kouwenberg, Dr. R.R.P., Guldemond 46, 2291 VL Wateringen
Phone office: Phone home:
E-mail : roykouwenberg@yahoo.com
78. Kovaleva, Dr. S., Dept. of Mathematics, Maastricht University, P.O. Box 616, 6200 MD Maastricht
Phone office: 043-3883497 Phone home:
E-mail : s.kovaleva@math.unimaas.nl
79. Kuijpers, Dr. ir. C.M.H., Dept. Organization & Strategy, Fac. Economics & Business Administration, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone office: 013-4663427 Phone home:
E-mail : c.m.h.kuijpers@uvt.nl
80. Kuijpers, Dr. B.H.M., Tower G, 5th floor, World Trade Center Schiphol, APG Investments, P.O. Box 75753, 1118 ZX Schiphol
Phone office: 020-4054339 Phone home:
E-mail : bart.kuijpers@apginvestments.nl
81. Kuipers, Dr.ir. J., Dept. of Mathematics, Maastricht University, P.O. Box 616, 6200 MD Maastricht.
Phone office: Phone home:
E-mail :
82. Lang, Ir. N.A., Imtech ICT TS, Luchthavenweg 18b, 5657 EB Eindhoven
Phone office: 06-28596969 Phone home:
E-mail : niels.lang@imtech.nl
83. Le Blanc - Krieken, Dr. M. van, De Lage Landen International B.V., P.O. Box 652, 5600 AR Eindhoven
Phone office: 040-2339967 Phone home:
E-mail : m.blanc@delagelanden.com
84. Le Blanc, Dr. I., Supply Chain Competence Center, Philips Lightning, P.O. Box 80020, 5600 MJ Eindhoven
Phone office: 040-2756187 Phone home:
E-mail : ieke.le.blanc@philips.com
85. Leeuwaarden, Dr. J.S.H. van, HG 9.13, Mathematics and CS Department, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone office: 040-2472813 Phone home:
E-mail : vanleeuwaarden@eurandom.tue.nl
86. Leeuwen, Dr. E.J. van, Fac. Wiskunde & Informatica, Afd. Combinatorische Optimalisering, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone office: 020-5924170 Phone home:
E-mail : e.j.v.leeuwen@tue.nl
87. Lennartz, Dr. P.
Phone office: Phone home:
E-mail : peter.lennartz@gmail.com

88. Listes, MSc. O.L.,Paragon Decision Technology, Schipholweg 1, 2034 LS Haarlem
Phone office: 023-5511512 Phone home:
E-mail : o.listes@aimms.com
89. Loeve, Dr. J.A., Progress, pensioenfonds van Unilever Nederland, P.O. Box 2071, 3000 CB Rotterdam
Phone office: 010-2174181 Phone home:
E-mail : anneke.loeve@unilever.com
90. Lok, Dr. R.B., Room H402, Statistics Netherlands (CBS), P.O. Box 4481, 6401 CZ Heerlen
Phone office: Phone home:
E-mail : rbl.um@tiscali.nl
91. Loon, Dr. J.M.W. van, Dept. of Quantitative Economics, Faculty of EW & B, Maastricht University, P.O. Box 616, 6200 MD Maastricht
Phone office: 043-3883627 Phone home:
E-mail : j.vanloon@ke.unimaas.nl
92. Mainegra Hing, MSc. M., San Miquel #127, Entre Maceo y Union, Santa Clara 50100, Villa Clara, Cuba
Phone office: Phone home:
E-mail :
93. Mandjes, Prof.dr. M.R.H., Room 112, Korteweg-de Vries Institute for Mathematics, University of Amsterdam, Plantage Muidergracht 24, 1018 TV Amsterdam
Phone office: 020 - 5255164 Phone home:
E-mail : mmandjes@science.uva.nl
94. Maroti, Dr. G., Centre for Mathematics & Computerscience, P.O. Box 94079, 1090 GB Amsterdam
Phone office: 020-5924039 Phone home:
E-mail : marotig@cwi.nl
95. Marquinie AAG , Drs. N.A.A., ABN-AMRO Verzekeringen, P.O. Box 10085, TC7320, 8000 GB ZWOLLE
Phone office: 038-4968158 Phone home:
E-mail : noud.marquinie@abnamroverzekeringen.nl
96. Martinez, Dr. A., CWI, Kruislaan 413, 1018 SJ Amsterdam
Phone office: 020-5924328 Phone home:
E-mail : alfonso.martinez@cwi.nl
97. Maus, S., Dept. Kwantitatieve Economie, Maastricht University, Tongersestraat 53, 6211 LM Maastricht
Phone office: 043-3883761 Phone home:
E-mail : s.maus@ke.unimaas.nl
98. Meertens, Dr. M.A., General insurance Actuarial Risk Management, REAAL verzekeringen, P.O. Box 8444, 3503 RK Utrecht
Phone office: Phone home:
E-mail : marc.meertens@reaal.nl
99. Mei, Prof.dr. R.D. van der, CWI/VU, P.O. Box 94079, 1090 GB Amsterdam
Phone office: 020 - 5924129 Phone home:
E-mail : mei@cwi.nl
100. Mes, Dr. M.R.K., University of Twente, School of Management & Governance, Dept. Oper. Meth. for Prod. & Logistics, P.O. Box 217, 7500 AE Enschede
Phone office: 053-4894062 Phone home:
E-mail : m.r.k.mes@utwente.nl
101. Mincsovics, Dr. G.Z., TomTom Eindhoven, Luchthavenweg 48, 5657 EB Eindhoven
Phone office: Phone home:
E-mail : gergely.mincsovics@gmail.com
102. Molenkamp, Drs. J.B., Edelkarper 19, 2318 NJ Leiden
Phone office: 070-3160580 Phone home: 071 - 5220757
E-mail : mbjbm1@zonnet.nl
103. Mostard, Drs. J.A.M., Kamer 3A-33, The Faculty of Economics & Buisiness Administration, VU University Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam
Phone office: 020-5986194 Phone home:
E-mail : jmostard@feweb.vu.nl
104. Nicolai, Dr. R., Schumannlaan 37, 3055 HS Rotterdam
Phone office: 06-13359329 Phone home:
E-mail : robinnicolai@gmail.com
105. Nouweland, Dr. A. van den, Department of Economics, University of Oregon, 1285 University of Oregon, Eugene, OR 97403 - 1285, USA.
Phone office: Phone home:
E-mail :

106. Nunez Queija, Dr. R., Fac. of Economics & Business, Amsterdam University, Roeterstraat 11, 1018 WB Amsterdam
Phone office: 020 - 5924378 Phone home:
E-mail : r.nunezquejja@uva.nl
107. Odijk, Drs. M.A., Foulkeslaan 62, 2625 PZ Delft.
Phone office: Phone home: 015 - 2569700
E-mail :
108. Olieman, Dr. N.J., UC-O-160, Group Risk Management - RMVM, Croeselaan 18, 3521 CB Utrecht
Phone office: 030-2164552 Phone home:
E-mail : niels.olieman@gmail.com
109. Ommeren, Dr. J.C.W. van, Fac of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede.
Phone office: 053-4893465 Phone home:
E-mail : j.c.w.vanommerren@math.utwente.nl
110. Ouwehand, Dr. P., Statistics Netherlands, P.O. Box 4000, 2270 JM Voorburg
Phone office: Phone home:
E-mail : powd@cbs.nl
111. Paepe, W. de, Capgemini, Marketentster 57, 1188 DD Amstelveen
Phone office: 030-6898297 Phone home:
E-mail : willem.de.paepe@capgemini.com
112. Paulus, Dr. J.J., Centre of Quantitive Methods, P.O. Box 414, 5600 AK Eindhoven
Phone office: Phone home:
E-mail : paulus@cqm.nl
113. Peeters, Dr.ir. M.J.P., Dept of Econometrics and OR, CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg.
Phone office: 013-4663261 Phone home: 0162 - 315898
E-mail : m.j.p.peeters@uvt.nl
114. Peng, Dr. J.M., Dept. of Industrial & Enterprise Systems Engineering, University of Illinois at Urbana Champaign, 104 S. Mathews Ave, Urbana, IL 61801 USA
Phone office: Phone home:
E-mail : pengj@uiuc.edu
115. Pham Do, Dr. K.H., Dept. of Economics and Finance, Massey University, Private Bag 11 222, Palmerston North, New Zealand
Phone office: +64-6-3505799/2544 Phone home: +64-211850398
E-mail : k.h.phamdo@massey.ac.nz
116. Piersma, Dr. N., Teamman. Int. Business & Man. Studies, Int. Financiel Man. & Business Intell. Man., Institute HES Amsterdam, Hogeschool van Amsterdam, P.O. Box 295, 1000 AG Amsterdam
Phone office: 020-5236434 Phone home:
E-mail : pia@hesasd.nl
117. Pot, Dr. S.A., Faculty of Math. & Computer Science, VU University Amsterdam, De Boelelaan 1081a, 1081 HV Amsterdam
Phone office: Phone home:
E-mail : s.a.pot@few.vu.nl
118. Quist, Dr.ir. A.J., OM Partners N.V., Koralenhoeve 23, B-2160 Wommelgem (Antwerpen), Belgium
Phone office: +32 3650 2211 Phone home: 0166-664414
E-mail : aquist@ompartners.com
119. Reijnierse, Dr. J.H., Dept. of Econometrics & OR, CenTER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg.
Phone office: Phone home: 0162-315898
E-mail : j.h.reijnierse@uvt.nl
120. Resing-Sassen, Dr. S.A.E., Afd. Concernstaf, pe-3.208, Gemeente Venlo, P.O. Box 3434, 5902 RK Venlo
Phone office: 077-359 6138 Phone home:
E-mail : saeresing@venlo.nl
121. Romeijn, Dr. H.E., Dept. of Industrial & Systems Engin., The University of Michigan, 1205 Beal Avenue, Ann Arbor, Michigan 48109-2117, USA
Phone office: +1 734 763-2238 Phone home:
E-mail : romeijn@umich.edu
122. Romero Morales, Dr. M.D., University of Oxford, Saïd Business School, Park End Street, Oxford OX1 HP, United Kingdom
Phone office: +44 1865 278807 Phone home:
E-mail : dolores.romero-morales@sbs.ox.ac.uk

123. Roodbergen, Dr. K.J., Fac Bedrijfskunde, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam
Phone office: 010-4088723 Phone home:
E-mail : k.roodbergen@fbk.eur.nl
124. Rutten, Dr.ir. J.H.G.C., ASML, P.O. Box 324, 5500 AH Veldhoven
Phone office: 040-2683324 Phone home:
E-mail : jeroen.rutten@asml.com
125. Schakel, L., Meidoornstraat 62, 2563 GJ Den Haag
Phone office: 06 13658233 Phone home:
E-mail : lpschakel@gmail.com
126. Schoenmakers, Drs. G.M., Department Mathematics, Maastricht University, P.O. Box 616, 6200 MB Maastricht
Phone office: 043-3882680 Phone home:
E-mail : gm.schoenmakers@math.unimaas.nl
127. Schotanus, Dr.ir. F., Capitool 15, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone office: 053-4894715 Phone home: 06-30093068
E-mail : fredo.schotanus @significant.nl
128. Schutten, Dr.ir. J.M.J., Faculteit Management en Bestuur, University of Twente, P.O. Box 217, 7500 AE Enschede.
Phone office: 053-4894676 Phone home:
E-mail : m.schutten@utwente.nl
129. Siegmann, Dr. A.H., Afdeling Financiering/BFS, FEWEB, Tinbergen, De Boelelaan 1105, 1081 HV Amsterdam
Phone office: 020-5986581 Phone home:
E-mail : asiegmann@feweb.vu.nl
130. Siem, Dr.ir. A.Y.D., ORTEC, P.O. Box 490, 2800 AL Gouda
Phone office: 0182-540500 Phone home:
E-mail : asiem@ortec.nl
131. Slikker, Dr. M., Pav. F13, Dept. of IE & IS, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone office: 040-2473940 Phone home:
E-mail : m.slikker@tue.nl
132. Sluis, Dr. H.J. van der, Dept. of Quantitative Economics, Fac. of Economis & Business, University of Amsterdam, Roetersstraat 11, 1018 WB Amsterdam
Phone office: 020-5254318 Phone home:
E-mail : h.j.vandersluis@uva.nl
133. Smeltink, Dr. J.W., Air Transport Safety Institute, Natonial Aerospace Laboratory NLR, P.O. Box 90502, 1006 BM Amsterdam
Phone office: 020 - 5113040 Phone home: 020 - 5113210
E-mail : smeltink@nlr.nl
134. Souza, L.V. de, Kiel Institute for World Economics (IfW), Düsternbrooker Weg 120, 24105-D Kiel
Phone office: +(49)(431) 8814-205 Phone home:
E-mail : desouza@ifw.uni-kiel.de
135. Spieksma, Prof.dr. F.C.R., Faculty of Business and Economics, KU Leuven, Naamsestraat 69, B-3000 Leuven, Belgium
Phone office: +32 - 16326976 Phone home:
E-mail : frits.spieksma@econ.kuleuven.be
136. Stee, Dr. R. van, Max-Planck-Institut für Informatik, Campus E1 4, D-66123 Saarbrücken, Germany
Phone office: +49 681 9325105 Phone home:
E-mail : vanstee@mpi-inf.mpg.de
137. Stehouwer, Dr.ir. H.P., Centre of Quantitive Methods, P.O. Box 414, 5600 AK Eindhoven
Phone office: 040-7502310 Phone home:
E-mail : stehouwer@cqm.nl
138. Suijs, Dr. J.P.M., Dept. of Financial Management, RSM Erasmus University, P.O. Box 1738, 3000 DR Rotterdam
Phone office: 010-4082762 Phone home:
E-mail : jsuijs@rsm.nl
139. Teunter, Prof. dr. R.H., Department of Operations, University of Groningen, P.O. Box 800, 9700 AV Groningen
Phone office: Phone home:
E-mail : r.h.teunter@rug.nl

140. Teunter, Prof.dr. R.H., Dept. Of Management Science, Lancaster University Management School, Lancaster, LA1 4YX, UK,
Phone office: +44-1524-592384 Phone home:
E-mail : r.teunter@lancaster.ac.uk
141. Tielemans, Dr. P.F.J., Capgemini, P.O. Box 2575, 3500 GN Utrecht
Phone office: 030-6898845 Phone home: 030-6898845
E-mail : peter.tielemans@capgemini.com
142. Timmer, Dr. J.B., Department off Applied Mathematics, University of Twente, P.O. box 217, 7500 AE Enschede
Phone office: 053-489 3419 Phone home:
E-mail : j.b.vink-timmer@ewi.utwente.nl
143. Tosserams, MSc. S., Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone office: 040-2473578 Phone home:
E-mail : s.tosserams@tue.nl
144. Turkensteen, M., Aarhus School of Business, Department of Business Studies, University of Aarhus, Fuglesangs Allé 4, DK-8210 Aarhus V, Denmark
Phone office: +45-89486483 Phone home:
E-mail : matu@asb.dk
145. Vaessens, Dr.ir. R.J.M., AMS/RX, KLM Royal Dutch Airlines, P.O. Box 7700, 1117 ZL Schiphol
Phone office: 020 - 6490662 Phone home: 020 - 6407747
E-mail : rob.vaessens@klm.com
146. Veen, Prof.dr. J.A.A. van der, Faculty of Economics & Business, University of Amsterdam, Roetersstraat 11, 1018 WB Amsterdam
Phone office: 020 - 5258671 Phone home:
E-mail : j.a.a.vanderveen@uva.nl
147. Veltman, Dr. B., ORTEC BV, Groningenweg 6K, 2803 PV Gouda
Phone office: 0182 - 540500 Phone home:
E-mail : bart.veltman@ortec.com
148. Velzen, Drs. S. van, Dept. of Econometrics and OR, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone office: 013-4662426 Phone home:
E-mail : s.vanvelzen@uvt.nl
149. Vermeulen, Dr. D., Dept. Quantitative Economics, Faculty of Economics, Maastricht University, P.O. Box 616, 6200 MD Maastricht.
Phone office: 043 - 3884831 Phone home: 043 - 3613969
E-mail : d.vermeulen@ke.unimaas.nl
150. Verweij, Dr. A.M., OM Partners N.V., Koralenhoeve 23, 2160 Wommelgem (Antwerpen), Belgium
Phone office: +32-3-6502211 Phone home:
E-mail : bverweij@ompartners.com
151. Vestjens, Dr.ir. A.P.A., CQM, P.O. Box 414, 5600 AK Eindhoven.
Phone office: 040 - 7502318 Phone home: 0470 - 2371105
E-mail : vestjens@cqm.nl
152. Vinhas de Souza, Dr. L.M., European Commission, Unit ECFIN.D.3, Avenue de Beaulieu, 1, Office 1/182, B-1160, Brussels Belgium
Phone office: (00) (32)(2) 298-0267 Phone home: 00(32)(2) 295-2791
E-mail : lucio-mauro.vinhas-de-souza@ec.europa.eu
153. Vis, Dr. I.F.A., Afdeling Informatiekunde en Logistiek, VU University Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam
Phone office: 020 - 5986067 Phone home:
E-mail : ivis@feweb.vu.nl
154. Vlasiou, Dr. M., Dept. of Mathematics & CS, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone office: 040-2475185 Phone home: 040-2465995
E-mail : m.vlasiou@tue.nl
155. Vlerk, Prof.dr. M.H.van der, Department of Operations, University of Groningen, P.O. Box 800, 9700 AV Groningen
Phone office: 050 - 3633816 Phone home:
E-mail : m.h.van.der.vlerk@rug.nl
156. Vlerk, Prof.dr. M.H.van der, Department of Operations, University of Groningen, P.O. Box 800, 9700 AV Groningen
Phone office: 050 - 3633816 Phone home:
E-mail : m.h.van.der.vlerk@rug.nl

157. Vliet, Dr. A. van, ORTEC Finance BV, P.O. Box 4074, 3006 AB Rotterdam
Phone office: 010-4986660 Phone home:
E-mail :
158. Vredeveld, Dr. T., Dept. of Quantitative Economics, Maastricht University, , P.O. Box 616, 6200 MD Maastricht
Phone office: 043-3883911 Phone home:
E-mail : t.vredeveld@ke.unimaas.nl
159. Vromans, Dr. M.J.C.M., De Inktpot F1-09, ProRail, P.O. Box 2038, 3500 GA Utrecht
Phone office: 030-2359123 Phone home:
E-mail : michiel.vromans@prorail.nl
160. Wang, Dr. X, , Jonkerhof 4, 6511 XW Nijmegen
Phone office: Phone home:
E-mail : xinhui_wang@hotmail.com
161. Wartenhorst, Dr. P, TNT Post, P.O. Box 30250, 2500 GG Den Haag
Phone office: 070-3345039 Phone home: 06-54906190
E-mail :
162. Weerdt, Dr. M.M de, Department of Software Technology, Delft University of Technology, Mekelweg 4, 2628 CD Delft
Phone office: 015-2784516 Phone home:
E-mail : m.m.deweerdt@ewi.tudelft.nl
163. Wijk, MSc. A.C.C. van, van Rappardstraat 23-II, 1051 HW Amsterdam
Phone office: 06-19720088 Phone home:
E-mail : wemkevanderweij@gmail.com
164. Willemen, Dr.ir. R.J., CQM, P.O. Box 414, 5600 AK Eindhoven
Phone office: 040-7502326 Phone home:
E-mail : willemen@cqm.nl
165. Winands, Ir. E.M.M., Tafelbergdreef 116, 3564 AD Utrecht
Phone office: Phone home:
E-mail : erik.winands@rabobank.com
166. Witberg, Ir. R.R., TNO - FEL, P.O. Box 96864, 2509 NC Den Haag.
Phone office: 070 - 3740158 Phone home: 070 - 3881904
E-mail :
167. Wullink, Dr. Ir. G., Management Group, Boer & Croon Strategy and Management Group, P.O. Box 75784, 1070 AT Amsterdam
Phone office: 020 - 3014361 Phone home:
E-mail : g.wullink@boercroon.nl
168. Zante, Dr.ir. D.J. van, CQM BV, P.O. Box 414, 5600 AK Eindhoven
Phone office: 040-7502329 Phone home:
E-mail : vanzante@cqm.nl
169. Zee, Dr.ir. D.J. van der, Department of Operations, Faculty of Economics & Business, University of Groningen, P.O. Box 800, 9700 AV Groningen
Phone office: 050-3634687/7491 Phone home: 050-3632032
E-mail : d.j.van.der.zee@rug.nl
170. Zuidgeest, Dr. M.H.P., Department of Civil Engineering, Centre for Transport studies, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone office: 053-4892543 Phone home:
E-mail : zuidgeest@itc.nl
171. Zwart, Dr. A.P., PNA2 (Probability and Stochastic Networks), CWI, P.O. Box 94079, 1090 GB Amsterdam
Phone office: 020-5924089 Phone home:
E-mail : bert.zwart@cwi.nl

12. Members and General Board (the members of the Board are indicated with #)

1. # Aardal, Prof.dr.ir. K., Fac. of Electrical Engineering, Math. & CS, Delft University of Technologhy, Mekelweg 4, 2628 CD Delft
   Phone : 015 - 2785093 Secr :
   Fax : 015 - 2784109 Phone :
   E-mail : k.i.aardal@tudelft.nl E-mail :
   URL :
2. Aarts, Prof.dr. E.H.L., Philips Research, High Tech Campus 34 (WB 7.53.), 5656 AE Eindhoven
   Phone : 040 - 2748167 Secr : ms. Dindy. Sutorius
   Fax : 040-2745010 Phone : 040 - 2744817
   E-mail : emile.aarts@philips.com E-mail : derks-sutorius@philips.com
   URL :
3. # Adan, Prof. Dr.ir. I.J.B.F., Dept. of Mathematics & Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
   Phone : 040 - 2472932 Secr : ms. H. Koops
   Fax : 040-2465995 Phone : 040 - 2473130
   E-mail : iadan@win.tue.nl E-mail : h.koops@tue.nl
   URL : http://www.win.tue.nl/~jadan
4. Akker, Dr.ir. J.M. van den, Departement Informatica, Utrecht University, P.O. Box 80089, 3508 TB Utrecht
   Phone : 030-2533989 Secr :
   Fax : Phone :
   E-mail : marjan@cs.uu.nl E-mail :
   URL :
5. Ashayeri, Prof.dr.ir. J., Department of Econometrics & Operations Research, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
   Phone : 013 - 4662176 Secr : ms. Heidi Ket
   Fax : 013 - 4663280 Phone : 013 - 4662462
   E-mail : j.ashayeri@uvt.nl E-mail : h.h.ket@uvt.nl
   URL : http://center.uvt.nl/staff/ashayeri
6. # Balder, Prof.dr.ir. E.J., Mathematical Institute, Utrecht University, P.O. Box 80.010, 3508 TA Utrecht
   Phone : 030 - 2531458 Secr : ms. P. Grondman
   Fax : 030 - 2518394 Phone :
   E-mail : e.j.balder@uu.nl E-mail : p.j.grondman@uu.nl
   URL : http://www.math.uu.nl/people/balder
7. Beek, Prof.dr. P. van, Management Studies Group, Wageningen University, Hollandseweg 1, 6706 KN Wageningen
   Phone : 0317 - 483650 Secr : mrs. Leonie van Scherrenburg
   Fax : 0317 - 485454 Phone : 0317 - 484160
   E-mail : paul.vanbeek@wur.nl E-mail : leonie.vanscherrenburg@wur.nl
   URL : http://www.mst.wur.nl
8. Benders, Prof.dr. J. F, Lichtstraat 59, 5611 XB Eindhoven
   Phone : 040 - 2377719 Secr :
   Fax : Phone :
   E-mail : jfbenders@wanadoo.nl E-mail :
   URL :
9. Berg, Prof.dr. J.L. van den, TNO ICT / University of Twente, P.O. Box 5050, 2600 GB Delft
   Phone : 015 - 2857031 Secr :
   Fax : Phone :
   E-mail : j.l.vandenberg@tno.nl E-mail :
   URL :
10. Bhulai, Dr. S., Faculty of Sciences, VU University Amsterdam, Boelelaan 1081a, 1081 HV Amsterdam
    Phone : 020 - 5987679 Secr :
    Fax : 020 - 5987653 Phone :
    E-mail : sbhulai@few.vu.nl E-mail :
    URL : http://www.math.vu.nl/~sbhulai
11. Bisschop, Prof.dr. J.J.
    Phone : 053 - 4893468 Secr : ms. Dini Heres
    Fax : 053 - 4894858 Phone : 053-4893402
    E-mail : j.j.bisschop@math.utwente.nl E-mail :
    URL :

12. Blanc, Dr. J.P.C., Dept. of Econometrics & OR CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone : 013 - 4663039 Secr : ms. Nicole Segers
Fax : 013 - 4663280 Phone : 013 - 4662430
E-mail : blanc@uvt.nl E-mail : secretariaat.econometrie@uvt.nl
URL : http://center.uvt.nl/staff/blanc

13. Bodlaender, Dr. H.L.,Dept. of Information and Computing Sciences, Utrecht University, P.O. Box 80.089, 3508 TB Utrecht
Phone : 030 - 2534409 Secr :
Fax : 030 - 2513791 Phone : 030 - 2531454
E-mail : hansb@cs.uu.nl E-mail : balie@cs.uu.nl
URL : http://www.cs.uu.nl/~hansb

14. Boender, Prof.dr. C.G.E., ORTEC Finance bv., P.O. Box 4074, 3006 AB Rotterdam
Phone : 010 - 4986600 Secr : ms. Ellen Harent
Fax : 010 - 4986667 Phone : 010 - 4986600
E-mail : guus.boender@ortec-finance.com E-mail : ellen.harent@ortec-finance.com
URL :

15. # Borm, Prof. dr. P.E.M., Dept. of Econometrics & OR CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone : 013 - 4663026 Secr : ms. Heidi Ket
Fax : 013 - 4663280 Phone : 013 - 4662340
E-mail : p.e.m.borm@uvt.nl E-mail : h.h.ket@uvt.nl
URL : http://center.uvt.nl/staff/borm/

16. Borst, Prof.dr.ir. S.C., Department of Mathematics & Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone : 040-2475105 Secr : mrs. Harma Koops
Fax : 040 - 2465995 Phone :
E-mail : sem@win.tue.nl E-mail : h.koops@tue.nl
URL :

17. # Boucherie, Prof.dr. R.J., Department of Applied Mathematics, Stochastic Operations Research, Faculty of Electrical Engineering, Mathematics, and Computer Science, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone : 053 - 4893432 Secr : ms. T. Kamphuis-Kuijpers
Fax : 053 - 4893069 Phone : 053 - 4893434
E-mail : r.j.boucherie@utwente.nl E-mail : t.kamphuis-kuijpers@ewi.utwente.nl
URL : wwwhome.math.utwente.nl/~boucherierj

18. Boxma, Prof.dr.ir. O.J., Dept. of Mathematics & Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone : 040 - 2472858/3130 Secr : mrs. Harma Koops
Fax : 040 - 2465995 Phone : 040 - 2473130
E-mail : boxma@win.tue.nl E-mail : h.koops@tue.nl
URL : http://win.tue.nl/~bs

19. Brinkhuis, Dr. J., Econometric Institute, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam
Phone : 010 - 4081364 Secr :
Fax : 010 - 4527746 Phone : 010 - 4081278
E-mail : brinkhuis@few.eur.nl E-mail :
URL :

20. Dam, Dr.ir. E.R. van, Dept. Econometric & O.R. CenTER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone : 013 - 4662059 Secr :
Fax : 013 - 4663280 Phone : 013 - 4662430
E-mail : edwin.vandam@uvt.nl E-mail :
URL : http://center.uvt.nl/staff/dam/

21. Damme, Prof.dr. E.E.C. van, CentER en TILEC, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone : 013 - 4663045 Secr : ms. C.T.E. de Bruijn
Fax : 013 - 4663066 Phone : 013 - 4663045
E-mail : eric.vandamme@uvt.nl E-mail : c.t.e.debruijn@uvt.nl
URL : http://center.uvt.nl/staff/vandamme

22. De Waegenaere, Dr. A.M.B. De, Dept. of Econometrics & OR CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
    Phone : 013 - 4662913 Secr : ms. Heidi Ket
    Fax : 013 - 4663280 Phone : 013 - 4662430
    E-mail : a.m.b. dewaegenaere@uvt.nl E-mail : h.h.ket@uvt.nl
    URL : http://center.uvt.nl/staff/dewaegen/
23. # Dekker, Prof.dr.ir. R., Econometric Institute, Faculty of Economics, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam
    Phone : 010 - 4081274/1264 Secr : ms. A.M.C. Kop
    Fax : 010 - 4089162 Phone : 010 - 4081264
    E-mail : rdekker@few.eur.nl E-mail :
    URL : http://www.few.eur.nl/few/people/rdekker
24. # Dijk, Prof.dr. N.M. van, Fac. of Econometrics, Amsterdam University, Roeterstraat 11, 1018 WB Amsterdam
    Phone : 020 - 5254215 Secr : mrs. A.C. Nieuwland
    Fax : Phone : 020 - 5254217
    E-mail : n.m.vandijk@uva.nl E-mail : a.c.nieuwland@uva.nl
    URL : www.fee.uva.nl/ke/dijk
25. Doorn, Dr.ir. E.A. van, Dept. of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede
    Phone : 053 - 4893387 Secr : ms. J.M. Mulder
    Fax : 053 - 4893069 Phone : 053 - 4893433
    E-mail : e.a.vandoorn@utwente.nl E-mail : j.m.mulder@utwente.nl
    URL : http://www.math.utwente.nl/~doornea
26. Duyn Schouten, Prof.dr. F.A. van der, Dept. of Economics & Business Adm., Tilburg University, P.O. Box 90153, 5000 LE Tilburg
    Phone : 013 - 4662833 Secr : ms. Jolien Gregorowicz
    Fax : 013 - 4663066 Phone : 013 - 4663415
    E-mail : f.a.vdrduynschouten@uvt.nl E-mail : j.gregorowicz@uvt.nl
    URL : http://center.uvt.nl/staff/duynscho
27. Fleuren, Prof.dr.ir. H.A., Dept. of Econometrics & OR, Tilburg University, P.O. Box 901 53, 5000 LE Tilburg
    Phone : 013 - 4663261 Secr : ms. Nicole Segers
    Fax : 013 - 4663280 Phone : 013 - 4662430
    E-mail : fleuren@uvt.nl E-mail : secretariaat.econometrie@uvt.nl
    URL : http://center.uvt.nl/staff/fleuren
28. Frenk, Dr. J.B.G., Econometric Institute, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam
    Phone : 010 - 4081257 Secr :
    Fax : 010 - 4089162 Phone :
    E-mail : frenk@few.eur.nl E-mail :
    URL :
29. Gerards, Prof.dr.ir. A.M.H., CWI, Science Park 123, 1098 XG Amsterdam
    Phone : 06 - 44207040 Secr : ms. Susanne van Dam
    Fax : Phone : 020 - 5924189
    E-mail : bert.gerards@cwi.nl E-mail : Susanne.van.Dam@cwi.nl
    URL : http://www.cwi.nl/~bgerards
30. Goldengorin, Prof.sc.d. B., Econometrics & Operations Research, University of Groningen, P.O. Box 800, 9700 AV Groningen
    Phone : 050 - 3633794 Secr : ms. E.S. Bennink-Bambang Oetomo
    Fax : 050 - 3633720 Phone : 050 - 3633460
    E-mail : b.goldengorin@rug.nl E-mail : e.s.bennink@rug.nl
    URL :
31. Gürkan, Dr. G., Dept. of Econometrics & OR CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
    Phone : 013 - 4662343 Secr : ms. Nicole Segers
    Fax : 013 - 4663280 Phone : 013 - 4662430
    E-mail : ggurkan@uvt.nl E-mail : c.c.m.segers@uvt.nl
    URL : http://center.uvt.nl/staff/gurkan

32. Haemers, Prof. Dr.ir. W.H., Dept. of Econometrics & OR CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone : 013 - 4662777 Secr : ms Heidi Ket
Fax : 013 - 4663280 Phone : 013 - 4662430
E-mail : haemers@uvt.nl E-mail : h.h.ket@uvt.nl
URL : http:/center.uvt.nl/staff/haemers/

33. Hamers, Prof.dr. H.J.M., Dept. of Econometrics & OR CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone : 013 - 4662660 Secr : ms. Nicole Segers
Fax : 013 - 4663280 Phone : 013 - 4662430
E-mail : h.j.m.hamers@uvt.nl E-mail : c.c.m.segers@uvt.nl
URL : http://center.uvt.nl/staff/hamers/

34. Heidergott, Dr. B., Department of Econometrics, room 1a-34, Faculty of Economics & Business Administration, VU University Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam
Phone : 020 -5986016 Secr : mrs. H.R.N. Werkman
Fax : Phone :
E-mail : bheidergott@feweb.vu.nl E-mail : hwerkman@feweb.vu.nl
URL : http://www.staff.feweb.vu.nl/bheidergott

35. Heijden, Dr. M.C. van der, Fac. Management & Bestuur, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone : 053 - 4892852 Secr : ms. E.J.M. van der Veen
Fax : 053 - 4892159 Phone : 053 - 4893912
E-mail : m.c.vanderheijden@utwente.nl E-mail :
URL :

36. Hendrix, Dr. E.M.T., Operations Res. & Logistics Group, Wageningen University, Hollandseweg 1, 6706 KN Wageningen
Phone : 0317 - 483568 Secr : mrs. Ria Slootman
Fax : 0317 - 485646 Phone : 0317 - 485645
E-mail : eligius.hendrix@wur.nl E-mail : Ria.Slootman@wur.nl
URL : http://www.orl.wur.nl

37. Herings, Prof.dr. P.J.J., Department of Economics, Maastricht University, P.O. Box 616, 6200 MD Maastricht
Phone : 043 - 3883824/3636 Secr : ms. Nicole Hulsman/ Elke Lucas
Fax : 043 - 3884878 Phone : 043 - 3883636
E-mail : p.herings@algec.unimaas.nl E-mail :
URL :

38. Hertog, Prof.dr.ir. D. den, Dept. of Econometrics & OR CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone : 013 - 4662122 Secr : ms. Nicole Segers
Fax : 013 - 4663280 Phone : 013 - 4662430
E-mail : d.denhertog@uvt.nl E-mail : c.c.m.segers@uvt.nl
URL : http://center.uvt.nl/staff/hertog/

39. Hoesel, dr.ir. S. van, Department of Quantitative Economics, Faculty of Economics, University Maastricht, P.O. Box 616, 6200 MD Maastricht
Phone : 043 - 3883727 Secr : ms. Karin v.d. Boorn
Fax : Phone : 043 - 3883835
E-mail : s.vanhoesel@ke.unimaas.nl E-mail :
URL : http://www.personeel.unimaas.nl/s.vanhoesel

40. Hoogeveen, Dr. J.A., Inst. Informatica & Informatiekunde, Utrecht University, Padualaan 14, 3584 CH Utrecht
Phone : 030 - 2534089 Secr :
Fax : 030 - 2513791 Phone :
E-mail : slam@cs.uu.nl E-mail :
URL :

41. Hordijk, Prof.dr. A., Geversweg 2, 19901 NW Castricum
Phone : 0251-655759 Secr :
Fax : Phone :
E-mail : arie-hordijk@xs4all.nl E-mail :
URL :

42. Hurink, Prof.dr. J.L., Dept. of Applied Mathematics, Fac. of Electrical Engineeringm, Mathematics & CS, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone : 053 - 4893447 Secr : ms. B.F.J. Heres-Ticheler
Fax : Phone : 053 - 4893402
E-mail : j.l.hurink@utwente.nl E-mail : b.f.j.heres-ticheler@utwente.nl
URL : http://www.math.utwente.nl/~hurinkjl/

43. Hurkens, Dr.ir. C.A.J., Dept. of Mathematics & Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone : 040 - 2474771 Secr : ms. Harma Koops
Fax : 040 - 2465995 Phone : 040 - 2473130
E-mail : c.a.j.hurkens@tue.nl E-mail :
URL :

44. # Kallenberg, Prof.dr. L.C.M., Mathematical Institute, Leiden University, P.O. Box 9512, 2300 RA Leiden
Phone : 071 - 5277130/7102 Secr : ms. Willeke Hasselton
Fax : 071 - 5277101 Phone : 071 - 5277005
E-mail : kallenberg@math.leidenuniv.nl E-mail : lnmb@math.leidenuniv.nl
URL :

45. Keijsper, Dr. J.C.M., HG 9.31, Dept. Of Math. and CS, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone : 040 - 2475583 Secr :
Fax : Phone :
E-mail : j.c.m.keijsper@tue.nl E-mail :
URL :

46. Kern, Dr. W., Dept. of Discrete Mathematics, OR&S, Dept. of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede.
Phone : 053 - 4893838/3402 Secr : ms. Dini Heres
Fax : 053 - 4894858 Phone : 053 - 4893402
E-mail : kern@math.utwente.nl E-mail :
URL :

47. Klein Haneveld, Prof.dr. W.K. emeritus, Department of Operations, Faculty of Economics and Business, University of Groningen, P.O. Box 800, 9700 AV Groningen.
Phone : 050 - 3633786 Secr :
Fax : 050 - 3633720 Phone :
E-mail : w.k.klein.haneveld@rug.nl E-mail :
URL :

48. Klerk, Dr. E. de, Dept. Econometrics & OR CenTER, University of Tilburg, P.O. Box 90153, 5000 LE Tilburg
Phone : 013 - 4662031 Secr : ms. Nicole Segers
Fax : 013 - 4663280 Phone : 013 - 4662430
E-mail : e.deklerk@uvt.nl E-mail : c.c.m.segers@uvt.nl
URL :

49. Kok, Prof.dr. A.G. de, Dept. of Technology Man., Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone : 040 - 2473849 Secr : ms. Ineke Verbakel
Fax : 040 - 2464531 Phone : 040 - 2474985
E-mail : a.g.d.kok@tue.nl E-mail : r.h.verbakel@tue.nl
URL :

50. Koole, Prof.dr. G.M., Dept. of Mathematics, VU University Amsterdam, De Boelelaan 1081a, 1081 HV Amsterdam
Phone : 020 - 5987755 Secr : ms. Marijke Titawano
Fax : 020 - 5987653 Phone : 020 - 5987700
E-mail : koole@few.vu.nl E-mail : marijke@few.vu.nl
URL : www.math.vu.nl/~koole

51. Kort, Prof. Dr. P.M., Dept. of Econometrics & OR CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone : 013 - 4662062 Secr : ms. Nicole Segers
Fax : 013 - 4663280 Phone : 013 - 4662430
E-mail : kort@uvt.nl E-mail : c.c.m.segers@uvt.n
URL : http://center.uvt.nl/kort

52. Koster, Prof.dr. M.B.M. de, Rotterdam School of Management, Erasmus University, Burgemeester Oudlaan 50, 3962 PA Rotterdam
Phone : 010 - 4081719 Secr : ms. Carmen Meesters
Fax : Phone : 010 - 4081719
E-mail : rkoster@rsm.nl E-mail : cmeester@rsm.nl
URL : http://www.rsm.nl/rdekoster

53. Laurent, Dr. M., CWI, Science Park 123, 1098 KG Amsterdam
Phone : 020 - 5924105/4189 Secr : ms. Susanne van Dam
Fax : 020- 5924199 Phone :
E-mail : m.laurent@cwi.nl E-mail : susanne.van.dam@cwi.nl
URL : http://www.cwi.nl/~monique

54. Lenstra, Prof.dr. J.K., CWI, P.O Box 94079, 1090 GB Amsterdam
Phone : 020 - 5924178 Secr : ms Coby van Vonderen
Fax : 020 - 5929333 Phone : 020 - 5924178
E-mail : jan.karel.lenstra@cwi.nl E-mail : coby.van.vonderen@cwi.nl
URL :

55. Litvak, Dr. N., Math. & CS, Dept. Of Electrical Engineering, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone : 053 - 4893388 Secr :
Fax : Phone :
E-mail : n.litvak@ewi.utwente.nl E-mail :
URL : wwwhome.math.utwente.nl/~litvakn

56. Maaren, Dr. H. van, Faculty EWI, Delft University of Technology, Mekelweg 4, 2628 CD Delft.
Phone : 015 - 2784936/3536 Secr : ms. C.A. van Driel-Vogelesang
Fax : 015 - 2787255 Phone : 015 - 2787486
E-mail : h.vanmaaren@ewi.tudelft.nl E-mail : c.a.vandriel-vogelesang@ewi.tudelft.nl
URL : http://www.isa.ewi.tudelft.nl/~maaren/

57. Mandjes, Prof.dr. M.R.H., Room 112, Korteweg-de Vries Institute for Mathematics, University of Amsterdam, Plantage Muidergracht 24, 1018 TV Amsterdam
Phone : 020 - 5255164 Secr : ms. S. van Dam
Fax : 020 - 5924199 Phone : 020 - 5924189
E-mail : mmandjes@science.uva.nl E-mail :
URL : http://www.cwi.nl/~michel

58. Mei, Prof.dr. R.D. van der, CWI/VU, P.O. Box 94079, 1090 GB Amsterdam
Phone : 020 - 5924129 Secr : ms. Susanne van Dam
Fax : 020 - 5924199 Phone : 020 - 5924189
E-mail : mei@cwi.nl E-mail : susanne.van.dam@cwi.nl
URL :

59. Mouche, Dr. P.H.M. van, Leerstoelgroep Economie van Consumenten en Huishoudens, Wageningen University, P.O. Box 8130, 6700 EW Wageningen
Phone : 0317 - 484265 Secr :
Fax : 0317 - 485373 Phone :
E-mail : pierre.vanMouche@wur.nl E-mail :
URL :

60. Müller, Prof.dr. R., Dept. of Quantitative Economics, Fac. of Economics & Business Admin., Maastricht University, P.O. Box 616, 6200 MD Maastricht
Phone : 043-3883799 Secr :
Fax : Phone :
E-mail : r.muller@ke.unimaas.nl E-mail :
URL : http://www.personeel.unimaas.nl/r.muller

61. Norde, Prof.dr. H.W., Dept. of Econometrics & OR CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone : 013 - 4663245 Secr : ms. Jolande Peeters
Fax : 013 - 4663280 Phone : 013 - 4662340
E-mail : h.norde@uvt.nl E-mail : j.p.j.m.peeters@uvt.nl
URL : http://www.uvt.nl/webwijs/show/?uid=h.norde

62. Nunen, Prof.dr.ir. J.A.E.E. van, Dept. of Decision & Information Sciences, Rotterdam School of Man., RSM Erasmus University, P.O. Box 1738, 3000 DR Rotterdam
Phone : 010 - 4082032 Secr : ms. E. Smeding
Fax : 010- 4089010 Phone : 010 - 4082032
E-mail : jnunen@rsm.nl E-mail : esmeding@rsm.nl
URL :

63. Nunez Queija, Dr. R., Fac. of Economics & Business, Amsterdam University, Roeterstraat 11, 1018 WB Amsterdam
Phone : 020 - 5924378 Secr : ms. A.C. Nieuwland
Fax : Phone : 020 - 5254217
E-mail : r.nunezquejja@uva.nl E-mail : a.c.nieuwland@uva.nl
URL : http://www.cwi.nl/~sindo

64. Pendavingh, Dr. R.A., Dept. Of Math. and CS, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone : 040 - 2474235 Secr : ms. Harma Koops
Fax : Phone : 040 - 2473130
E-mail : rudi@win.tue.nl E-mail : h.koops@tue.nl
URL :

65. Peters, Prof.dr. H.J.M., Dept. of Quantitative Economics, Fac. of Economics & Business Admin., Maastricht University, P.O. Box 616, 6200 MD Maastricht
Phone : 043 - 3883288/3835 Secr : ms. K. van den Boorn
Fax : 043 - 3884874 Phone : 043 - 3883835
E-mail : h.peters@ke.unimaas.nl E-mail :
URL : http://www.personeel.unimaas.nl/h.peters

66. Resing, Dr. J.A.C., Dept. of Mathematics & Computer Science, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone : 040 - 2472984 Secr : ms. Harma Koops
Fax : 040 - 2465995 Phone : 040 - 2473130
E-mail : resing@win.tue.nl E-mail : h.koops@tue.nl
URL : http://www.win.tue.nl/~resing

67. Ridder, Dr. A.A.N., Dept. of Econometrics, Fac. der Economische Wetenschappen & Bedrijfskunde, VU University Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam
Phone : 020 - 5986024 Secr : mrs. H.R.N. Werkman
Fax : 020 - 5986020 Phone :
E-mail : aridder@feweb.vu.nl E-mail : hwerkman@feweb.vu.nl
URL : http://staff.feweb.vu.nl/aridder/

68. Roos, Prof. dr.ir. C., , Fac. EWI, Delft University of Technology, Mekelweg 4, 2628 CD Delft.
Phone : 015 - 2782530 Secr : ms. C.A. van Driel-Vogelesang
Fax : 015 - 2786632 Phone : 015 - 2784475
E-mail : c.roos@tudelft.nl E-mail : c.a.vandriel-vogelesang@ewi.tudelft.nl
URL : http://www.isa.ewi.tudelft.nl/~roos/

69. Scheinhardt, Dr.ir. W.R.W., Dept. of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone : 053 - 4893832 Secr : ms. T. Kamphuis - Kuijpers
Fax : 053 - 4893069 Phone : 053 - 4893434
E-mail : w.r.w.scheinhardt@math.utwente.nl E-mail :
URL :

70. # Schrijver, Prof.dr. A., CWI, P.O. Box 94079, 1090 GB Amsterdam
Phone : 020 - 5924087 Secr : ms. Susanne van Dam
Fax : 020 - 5924199 Phone : 020 - 5924189
E-mail : lex@cwi.nl E-mail :
URL :

71. Schuur, Dr. P.C., Fac. of Technology & Management, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone : 053 - 4893658 Secr : ms. Elke van der Veen
Fax : 053 - 4892159 Phone : 053 - 4893912
E-mail : p.c.schuur@sms.utwente.nl E-mail :
URL :

72. Sierksma, Prof. dr. G., Quantitive Logistics, Faculty. of Economics, University of Groningen, P.O. Box 800, 9700 AV Groningen
Phone : 050 - 3633805/3460 Secr : ms. L.L. Henriquez-Peterson
Fax : 050 - 3637207 Phone : 050 - 3637491
E-mail : g.sierksma@rug.nl E-mail :
URL : http://www.rug.nl/staff/g.sierksma/index

73. Smit, Prof.dr.ir. J.H.A. de, Spolminkkamp 13, 7524 DV Enschede
Phone : 053 - 4318649 Secr :
Fax : Phone :
E-mail : mail@josdesmit.nl E-mail :
URL :

74. Spieksma, Dr. F.M., Mathematical Institute, Leiden University, P.O. Box 9512, 2300 RA Leiden
Phone : 071 - 5277128 Secr : ms. T. Bakker
Fax : 071 - 5277101 Phone : 071 - 5277111
E-mail : spieksma@math.leidenuniv.nl E-mail :
URL : http:/www.math.leidenuniv.nl/~spieksma

75. Spieksma, Prof.dr. F.C.R., Faculty of Business and Economics, KU Leuven, Naamsestraat 69, B-3000 Leuven, Belgium
Phone : +32 - 16326976 Secr :
Fax : +32 - 16326732 Phone :
E-mail : frits.spieksma@econ.kuleuven.be E-mail :
URL : http://www.econ.kuleuven.be/frits.spieksma

76. Still, Dr. G.J., Dept. of Applied Mathematics, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone : 053 - 4893404 Secr : ms Dini Heres
Fax : 053 - 4894858 Phone : 053 - 4893402
E-mail : g.j.still@math.utwente.nl E-mail :
URL :

77. # Stougie, Dr. L., Afd. Econometrie en Oper. Res., Fac. der Econ. Wetenschappen & Bedrijfskunde, VU University Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam
Phone : 020 - 5989391 Secr :
Fax : Phone :
E-mail : lstougie@feweb.vu.nl E-mail :
URL :

78. Talman, Prof.dr. A.J.J., Dept. of Econometrics & OR, CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone : 013 - 4662346 Secr : mrs. Heidi Ket
Fax : 013 - 4663280 Phone : 013 - 4662430
E-mail : talman@uvt.nl E-mail : h.h.ket@uvt.nl
URL : http://center.uvt.nl/staff/talman

79. Telgen, Prof.dr. J., Dept. of Management and Governance, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone : 053 - 4894532/3912 Secr : ms. Elke van der Veen
Fax : 053 - 4892159 Phone : 053 - 4893912
E-mail : j.telgen@utwente.nl E-mail : e.j.m.vanderVeen@utwente.nl
URL :

80. Teunter, Prof. dr. R.H., Department of Operations, University of Groningen, P.O. Box 800, 9700 AV Groningen
Phone : Secr :
Fax : Phone :
E-mail : r.h.teunter@rug.nl E-mail :
URL :

81. # Thuijsman, Dr. F., Dept. of Knowledge Engineering, Maastricht University, P.O. Box 616, 6200 MD Maastricht
Phone : 043 - 3883489/3494 Secr : ms. Marijke Verheij
Fax : 043 - 3884910 Phone :
E-mail : f.thuijsman@maastrichtuniversity.nl E-mail : marijke.verheij@micc.unimaas.nl
URL : http://www.math.unimaas.nl/personal/frankt/home1.htm

82. Tijms, Prof.dr. H.C. emeritus, Dept. of Econometrics, Fac. of Economics & Business Admin., VU University Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam
Phone : 020 - 5986013 Secr :
Fax : 020 - 5986020 Phone :
E-mail : tijms@feweb.vu.nl E-mail :
URL :

83. Tijs, Prof.dr. S.H. emeritus, Dept. of Econometrics & OR CentER, Tilburg University, P.O. Box 90153, 5000 LE Tilburg
Phone : 013 - 4662348 Secr :
Fax : 013 - 4663280 Phone :
E-mail : s.h.tijs@uvt.nl E-mail :
URL : http://center.uvt.nl/staff/tijs

84. Timmer, Prof.dr. G.T., Dept. of Econometrics, Fac. of Economics & Econometrics, VU University Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam
Phone : 020 - 4446024 Secr :
Fax : 020 - 4446020 Phone : 020 - 4446010
E-mail : gtimmer@econ.vu.nl E-mail :
URL :

85. Uetz, Prof.dr. M., Toegepaste Wiskunde, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone : 053 - 4893402 Secr :
Fax : Phone :
E-mail : m.uetz@utwente.nl E-mail :
URL : http://wwwhome.math.utwente.nl/~uetzm/

86. Velde, Prof.dr. S.L . van de, Dept. of Technology & Innovation, RSM Erasmus University, P.O. Box 1738, 3000 DR Rotterdam
Phone : 010 - 4082025 Secr : mrs. Carmen Meesters
Fax : 010 - 4089014 Phone : 010 - 4081719
E-mail : svelde@rsm.nl E-mail :
URL :

87. Veldhorst, Dr. M., Dept. of Information & Computer Science, Utrecht University, P.O. Box 80.089, 3508 TB Utrecht.
Phone : 030 - 2534450 Secr :
Fax : 030 - 2513791 Phone : 030 - 2531454
E-mail : marinus@cs.uu.nl E-mail :
URL :

88. Vis, Dr. I.F.A., Afdeling Informatiekunde en Logistiek, VU University Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam
Phone : 020 - 5986067 Secr : ms. M. de Bekelaar-de Haan
Fax : 020 - 5986005 Phone : 020 - 5986185
E-mail : ivis@feweb.vu.nl E-mail : mbekelaar@feweb.vu.nl
URL : http://staff.feweb.vu.nl/ivis

89. # Vlerk, Prof.dr. M.H.van der, Department of Operations, University of Groningen, P.O. Box 800, 9700 AV Groningen
Phone : 050 - 3633816 Secr : ms. L.L. Henriquez- Peterson
Fax : 050 - 3632032 Phone : 050 - 3637491
E-mail : m.h.van.der.vlerk@rug.nl E-mail :
URL : http://mally.eco.rug.nl

90. Volgenant, Dr. A., Department AKE, Fac. of Economics & Econometrics, University of Amsterdam, Roetersstraat 11, 1018 WB Amsterdam
Phone : 020 - 5254219 Secr : ms. I. Delponte
Fax : 020 - 5254349 Phone : 020 - 5254217
E-mail : a.volgenant@uva.nl E-mail : I.Delponte@uva.nl
URL : http://www1.fee.uva.nl/pp/tvolgenant/

91. # Vorst, Prof.dr.ir. J.G.A.J., Operations Research & Logistic Group, Wageningen University, Hollandseweg 1, 6706 KN Wageningen
Phone : 0317-485645 Secr : ms. Ria Slootman
Fax : 0317-485646 Phone : 0317 - 485645
E-mail : jack.vandervorst@wur.nl E-mail :
URL : http://www.orl.wur.nl

92. Vrieze, Prof.dr.ir.drs. O.J., Sint Lambertuslaan 42, 6212 AV Maastricht
Phone : 06-25066550 Secr :
Fax : Phone :
E-mail : koos@ictvrieze.nl E-mail :
URL :

93. Wagelmans, Prof. dr. A.P.M., Econometric Institute Room H 11-3, Fac. of Economics, Erasmus University Rotterdam, P.O. Box 1738, 3000 DR Rotterdam
Phone : 010 - 4082576 Secr : ms. Elli Hoek van Dijke
Fax : 010 - 408 9162 Phone : 010 - 4081259
E-mail : wagelmans@few.eur.nl E-mail :
URL : http://www.eur.nl/few/people/wagelmans

94. Wal, Prof.dr.ir. J. van der, Fac. of Econometrics, Amsterdam University, Roeterstraat 11, 1018 WB Amsterdam
Phone : 020 - 5254233 Secr : ms. I. Delponte
Fax : 020 - 5254313/4217 Phone :
E-mail : wal@fee.uva.nl E-mail : i.delponte@uva.nl
URL :

95. Wessels, Prof.dr. J. emeritus, EURANDOM, P.O. Box 513, 5600 MB Eindhoven
Phone : 040 - 2478110 Secr :
Fax : 040 - 2478190 Phone :
E-mail : j.wessels@win.tue.nl E-mail :
URL : www.eurandom.tue.nl

96. Woeginger, Prof.dr. G.J., Dept. of Mathematics and Computer Sciences, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven
Phone : 040 - 2472415 Secr : ms Harma Koops
Fax : 040 - 2465995 Phone : 040 - 2473130
E-mail : gwoegi@win.tue.nl E-mail :
URL :

97. Zijm, Prof.dr. W.H.M., Dept. of Operational Methods for Prod. & Logistics, School of Management & Governance, University of Twente, P.O. Box 217, 7500 AE Enschede
Phone : 053 - 4893912 Secr : ms. E.J.M van der Veen/Mrs. M.A. Sonneveldt
Fax : Phone : 053 - 4893912
E-mail : w.h.m.zijm@utwente.nl E-mail :
e.j.m.vanderveen@utwente.nl/m.a.sonneveldt@utwente.nl
URL : http://www.mb.utwente.nl/ompl/staff/Zijm/index.html

98. Zwart, Dr. A.P., PNA2 (Probability and Stochastic Networks), CWI, P.O. Box 94079, 1090 GB Amsterdam
Phone : 020-5924089 Secr :
Fax : Phone :
E-mail : bert.zwart@cwi.nl E-mail :
URL :

REGISTRATION FORM PhD COURSES LNMB (TRIMESTER 1)

Personal data

Family name (including titles) : .....

First name : ..... ☐ Male ☐ Female

Address department/university : .....

…….....

.....

Telephone nr. : .....

E-mail : .....

URL : .....

Supervisor : .....

Course registration

I want register for the following courses (tick anyone)

☐ SMTS : Stochastic Models for Telecommunication Systems

☐ RA : Randomized Algorithms

☐ CO2a : Combinatorial Optimization, part 2a

Date: ..... Signature: .....

Please send this form ultimately September 4, 2009 to:
Secretary LNMB
Ms. W.A. Hasselton – Snijder
Mathematical Institute
University of Leiden
P.O. Box 9512
2300 RA Leiden

REGISTRATION FORM PhD COURSES LNMB (TRIMESTER 2)

Personal data

Family name (including titles) : .....

First name : ..... ☐ Male ☐ Female

Address department/university : .....

.....

….....

Telephone nr. : .....

E-mail : .....

URL : .....

Supervisor : .....

Course registration

I want register for the following courses (tick anyone)

☐ CO2b : Combinatorial Optimization, part 2b

☐ NCG : Noncooperative Games

☐ MDP : Markov Decision Processes

Date: ..... Signature: .....

Please send this form ultimately November 6, 2009 to:
Secretary LNMB
Ms. W.A. Hasselton – Snijder
Mathematical Institute
University of Leiden
P.O. Box 9512
2300 RA Leiden

REGISTRATION FORM PhD COURSES LNMB (TRIMESTER 3)

Personal data

Family name (including titles) : .....

First name : ..... ☐ Male ☐ Female

Address department/university : .....

.....

….....

Telephone nr. : .....

E-mail : .....

URL : .....

Supervisor : .....

Course registration

I want register for the following courses (tick anyone)

☐ ORHC : Operations Research and Health Care

☐ AQT : Advanced Queueing Theory

☐ ORG : OR - Games

Date: ..... Signature: .....

Please send this form ultimately February 5, 2010 to:
LNMB
c/o Prof.dr. J.L. Hurink
Dept. of Applied Mathematics
University of Twente
P.O. Box 217
7500 AE Enschede.

REGISTRATION FORM MASTER COURSES LNMB (FALL 2009)

Personal data

Family name : .....

First name : .....Gender: female / male

Address : .....

Postal code : .....

Place : .....

University : .....

Education (e.g. Mathematics) : .....

First year of enrollment : .....

Student number : ….....

E-mail : .....

Supervisor Master thesis : .....

Course registration

I want register for the following courses (tick anyone)

☐ ISP Introduction to Stochastic Processes

☐ CO Continuous Optimization

☐ DO Discrete Optimization

☐ HEU Heuristic Methods Operations Research

Date: ..... Signature: .....

Please send this form ultimately August 28 (course ISP) or September 11 (other courses) 2009 to:
Secretary LNMB
Ms. W.A. Hasselton – Snijder
Mathematical Institute
University of Leiden
P.O. Box 9512
2300 RA Leiden

REGISTRATION FORM MASTER COURSES LNMB (SPRING 2010)

Personal data

Family name : .....

First name : .....Gender: female / male

Address : .....

Postal code : .....

Place : .....

University : .....

Education (e.g. Mathematics) : .....

First year of enrollment : .....

Student number : ….....

E-mail : .....

Supervisor Master thesis : .....

Course registration

I want register for the following courses (tick anyone)

☐ ALP: Advanced Linear Programming

☐ SCH: Scheduling

☐ QT : Queueing Theory

Date: ..... Signature: .....

Please send this form ultimately January 22, 2010 to:
LNMB
c/o Prof.dr. J.L. Hurink
Dept. of Applied Mathematics
University of Twente
P.O. Box 217
7500 AE Enschede.

REGISTRATION FORM NEW PhD STUDENTS LNMB

Family name (including titles) : .....

First name : .....

☐ Male ☐ Female

Date of birth : .....

Place and country of birth : .....

MSc in which discipline? : .....

MSc at which university? : .....

Address present university : .....

.....

.....

Expiration date as PhD student : .....

Telephone nr. (office) : .....

E-mail : ……..

URL : .....

Supervisor : .....

Topic dissertation : .....

Home address : .....

.....

Date : .....

Signature : .....

Please, send this form with a passport photo to:

Secretary LNMB
Ms. W.A. Hasselton – Snijder
Mathematical Institute
University of Leiden
P.O. Box 9512
2300 RA Leiden

REGISTRATION FORM NEW MASTER STUDENTS LNMB

Family name : .....

First name : .....

☐ Male ☐ Female

Date of birth : .....

Place and country of birth : .....

Present university : ….....

Education (e.g. Mathematics) : .....

First year of enrollment : .....

Student number : ….....

Address administration faculty : .....….…..

.....

Address (home) : .....

Postal code (home) : .....

Place (home) : .....

E-mail : ……..... .....

Master Supervisor : .....

Date : .....

Signature : .....

Please, send this form <u>with a passport photo</u> to:

Secretary LNMB
Ms. W.A. Hasselton – Snijder
Mathematical Institute
University of Leiden
P.O. Box 9512
2300 RA Leiden