

Annual Report 2002

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Contents

1	Introduction	5
2	Organisation	10
3	Research	12
4	The graduate school and PhD education	18

Appendices

1	International publications	21
2	PhD candidates	31
3	Research reports	34
4	Seminars	37

1 Introduction

1.1 SOM in brief

SOM is the research school of the Faculty of Management and Organisation (Faculteit der Bedrijfskunde, FBK) and the Faculty of Economics (Faculteit der Economische Wetenschappen, FEW) of the University of Groningen. The mission of SOM is:

- To stimulate monodisciplinary and interdisciplinary research, meeting international standards, related to the firm in its economic environment;
- To provide a high-level PhD programme in this field.

SOM was accredited by the Royal Netherlands Academy of Arts and Sciences (KNAW) in May 1998. As per December 2002, 70 fellows, 25 associate fellows and 65 PhD candidates participate in SOM.

SOM has its own budget for activities like seminars, visitors and workshops, to which the faculties participating in SOM both contribute. Also the personnel costs of the SOM bureau are financed in this way. Various other research activities, however, are financed through the budgets of the participating faculties. SOM tries to harmonise these policies as much as possible.

1.2 New developments

Faculty of Spatial Sciences

Apart from FBK and FEW also the Faculty of Spatial Sciences (Faculteit der Ruimtelijke Wetenschappen, FRW) participated in SOM. At the end of 2002, in view of the renewal of SOM's accreditation by the KNAW, the three faculties have concluded that ending the participation of FRW in SOM was desirable, for various reasons. FRW prefers to bring all its research under the aegis of Nethur (Netherlands School of Housing and Urban Research), the joint research school of several related faculties in the Netherlands. It thus aims at a national co-operation of a monodisciplinary nature. FBK and FEW, on the other hand, have SOM as their joint research school. Their aim is to bring about a strong local collaboration. At the administrative level, FBK and FEW have delegated all matters pertaining to research to SOM. So from the viewpoint of coherence within SOM, it seemed only appropriate to end the participation of FRW.

Nijmegen School of Management

Also the co-operation between SOM and the Nijmegen School of Management (NSM) has been changed in 2002. Researchers of NSM had the opportunity to become fellow or associate fellow of SOM. With a few exceptions, this has not led to substantial joint research projects of researchers from Groningen and Nijmegen. Therefore the SOM governing board decided to end the participation of NSM. Individual researchers of NSM were offered the opportunity to apply for the new status of visiting research fellow.

Visiting research fellows

A new category of researchers was introduced in 2002: the visiting research fellow. Researchers from outside SOM who meet the criteria for SOM's fellowship and who work together with one or more of SOM's fellows can obtain this status. The first two researchers who have been appointed are John Liechty of Penn State University, who works together with Eelco Huizingh, and Mike Lahr of Rutgers University who works together with Erik Dietzenbacher. It is expected that in 2003 they will be joined by some researchers of NSM.

VSNU Research Assessment

Since most of the research activities of FBK and FEW take place in SOM, both faculties decided for the recent VSNU research assessment round to submit programmes that, in terms of their content, essentially coincided with the various SOM themes at that time. An exception was made for theme A, which was split into two separate groups. Also, the researchers from FEW participating in theme B (which was submitted as an FBK programme) were not included in the FBK assessment. Furthermore, most staff members of both faculties who had research time but no affiliation to SOM, were placed under one of the SOM themes. This involved in particular numerous staff members of FBK since a considerable part of its research is not (yet) within SOM. According to the VSNU Research Assessment Committee for Economics, the data show an overall improvement in quality, productivity and viability for themes C, E and F. The committee posits that SOM has been an important factor in encouraging and rewarding research excellence. Still, the committee criticised the broadness of theme E, notably the participation of the research in the field of management accounting. The VSNU Research Assessment Committee for Management and Organisation criticised the lack of focus of theme A and questioned the viability of theme B.

Themes

The newest research group is theme D, focusing on management accounting and financial management. In a way, this is a good example of how research groups within SOM arise. In 1997 the management accounting groups of FBK and FEW started to work together. The main objective of this collaboration was to improve the output and quality of their research, leading to publications in international management accounting journals. An important impulse for this collaboration was a joint part-time appointment of a leading expert, Prof. R. Scapens (University of Manchester) by both faculties. Initially, this research was part of theme E, but in view of the comments made by the VSNU Research Assessment Committee, the governing board of SOM has decided to create a separate research group (theme D).

In response to the criticism of the VSNU assessment committee, the research programme of theme A has been reformulated and is now focused on the human and technical aspects of primary processes within firms. Theme B, which has lost a number of its prominent members who moved to other universities, has also changed the description of its research programme. It is now focused on innovation at the micro and meso level, including a knowledge, a non-technical and an interaction perspective.

Research Master

Initiated by the governing board of SOM, the new bachelor–master educational system has resulted in a separate Research Master (RM) programme under the supervision of SOM. This programme (Master of Science in Economics and Business) aims to prepare bachelors for a scientific career. This two-year programme will start in September 2003 and has various profiles. Admission, monitoring and subsequent submission to the PhD programme are all under the authority of SOM. Under the new set-up, the PhD programme will in principle last three years instead of four, although a final decision is still pending.

The first year of the RM comprises 40 ECTS of course work; courses vary, depending on the profile chosen. The remaining part (20 ECTS) is the same for all students and provides a thorough basis in research methods and methodology. The predominant approach here is to learn by doing through assignments in an apprentice-type of relation with a SOM fellow. The second year consists of expanding the basic knowledge of the first year by getting the most up-to-date knowledge from experts in the field. Here, networks such as NAKE, will be valuable for organising and teaching courses. The previous experience has shown the value and the efficiency of this approach. Part of the second year consists of writing a master's thesis (30 ECTS); it is optional to write a proposal that can be the start of a PhD project. After graduation, students can apply for a PhD position. One of the important criteria for selecting a PhD student will be the quality and originality of the proposal that has been prepared.

1.3 Fellows and associate fellows

Fellows and associate fellows can, in principle, spend 40% of their time on research. SOM fellows also have a higher budget for travelling.

The status of associate fellow is a temporary one: after three years the associate fellow is required to have enough credit points to become a fellow (see the box for the criteria). When an associate fellow does not meet the criteria, the director of SOM will have an interview with the researcher to discuss his/her research activities and output. If there is a fair chance that the criteria will be met in due time, the director may advise the governing board of SOM to continue the status of the researcher for another year.

As the research output is counted over a moving window of four years a fellow may no longer meet the criteria. In that case the researcher will be informed that within two years (s)he has to meet the criteria, otherwise the status of SOM fellow will be terminated. If after these two years the researcher still does not meet the criteria, the director of SOM will have an interview with the researcher to discuss his/her research activities and output. In exceptional circumstances the director may advise the governing board of SOM to continue the status. This happens, for instance, if the researcher can prove that there is a fair chance (on the basis of papers which are under review or accepted) that (s)he will meet the criteria again in due time. A final issue is how the criteria are applied to staff with a part-time appointment. If someone has less than 0.4 fte available for research due to a part-time appointment, the criteria are adjusted accordingly. So if a researcher has an appointment for one day a week (and 0.1 fte for doing research), (s)he must have 1 credit point to remain (or become) fellow.

Criteria for (associate) fellowship of SOM

hold a PhD Degree

do research that fits into one of SOM's research areas

have a minimum number of credit points, measured over a (moving) period of four years.

The following rules apply:

- One credit point is granted for a dissertation, a scientific monograph and for a paper in an international and refereed journal;
- For a publication in a refereed book published by a highly reputable international publisher 0.5 credit point is granted;
- For a SOM research report 0.25 credit point is granted;
- In case of n authors, each author is granted $2/(n+1)$ of the points

Fellows need 4 credit points, associate fellows 2 credit points

1.4 Information dissemination

Newsletter

SOM has its own newsletter, which was published 8 times in 2002. It contains practical information about seminars and other activities, conferences, vacancies and publications. Besides that there are several human interest items, for instance the diary of one of SOM's researchers, a contribution by one of SOM's alumni and travel reports. The newsletter has an edition of over 700 and is sent to all personnel of the SOM faculties, the alumni, the advisory board and other research schools in the Netherlands.

Research Reports

The SOM research report series serves two objectives. First, it provides researchers the possibility to disseminate the first results of their research. Second, it offers less experienced researchers an outlet. As submitted manuscripts are commented upon by SOM fellows before the scientific director decides upon publication, SOM also strives to increase the quality of the papers. The 75 reports published in 2002 are listed in Appendix 3. They can be downloaded via the SOM homepage at som.rug.nl.

Seminars, workshops and conferences

SOM organises seminars where researchers present their work. Most of the seminars were given by researchers from other institutions. Appendix 4 contains an overview of these seminars in 2002.

In 2002 the Dutch Network Institutional Economics had a new start. A new coordinator, Linda Toolsema, has been appointed and in May a workshop on "Getting ready for a larger EU: governance, institution design and the transformation of business systems" was organised.

In addition the following workshops were organised and/or sponsored by SOM in 2002:

- SOM/CDS workshop on “The importance of public investment and institutions for the functioning of food markets in developing countries”
- SOM workshop on “The economic consequences of (catastrophic) earthquakes: a prospect in retrospect”
- Workshop SOM/University of Delft on “organizational semiotics”
- SOM workshop on “Competition and market power: measurement, theory and implications”
- SOM Marketing Research Camp

2 Organisation

Bureau

The SOM bureau is responsible for the daily management of the research school. The members of the Bureau were:

Prof. J. de Haan, *scientific director*
Dr. D.P. van Donk, *PhD coordinator*
Mrs. A.C. Koning, *office manager*
Mrs. A.K. Huisman, *secretary*
Mrs. P. Hooghiemstra, *secretary*

Governing Board

All major decisions within SOM are taken by the governing board of SOM. Usually, these decisions are based on the advice from SOM's scientific director and from the various committees. The governing board meets every six weeks. To ensure efficient decision-making, the FBK and FEW faculty board members responsible for research are members of the governing board of SOM. In addition, the board comprises an external member. The board members are Prof. T.J. Wansbeek (chairman), Prof. A.H. van der Zwaan, and Prof. F. Stokman (Faculty of Behavioral and Social Sciences, former director of ICS).

The scientific director and the PhD coordinator as well as the managing director of the coordinating faculty, Mrs. N. Schouten, are advisory members. Secretary of the board is Mrs. A.C. Koning.

Advisory Board

The advisory board gives general policy advice and acts as a sounding board for strategic plans. The advisory board is composed as follows: Prof. C.A.M.F. Claessens (University of Amsterdam), Prof. N.F. Crafts (London School of Economics), Prof. M. Dekimpe (Catholic University of Leuven), Prof. R. van Dierdonck (University of Ghent), Prof. B. Goodall (University of Reading), Prof. M.T. Hannan (Stanford University), Prof. P. Hooimeijer (Utrecht University), Prof. T. Kloek (emeritus, Erasmus University Rotterdam), Prof. D. Laidler (University of Western Ontario), Prof. J.K. Lenstra (Georgia Institute of Technology), Prof. R. Lesthaeghe (Free University Brussels), Prof. R. van der Ploeg (European University Institute), Prof. J. van Sinderen (Ministry of Economic Affairs and Erasmus University Rotterdam), Prof. J.-C. Thoenig (Ecole Normale Supérieure de Cachan, GAPP), Prof. K. Wallis (University of Warwick).

Committees

SOM's scientific committee is responsible for the evaluation of individual projects (mostly PhD and postdoc projects) and gives advice on all research policies regarding SOM. Its members are the scientific director, the theme leaders and a number of other SOM fellows. At the end of 2002 the committee was composed as follows: Prof. B. Heijdra, Prof. J. van Helden, Prof. dr. P. Leeftang, Prof. E. Sterken, Prof. E. Molleman, Prof. A. Sorge, and Prof. N. Wijnberg (themeleaders), Dr. E. Dietzenbacher, Prof. R. Jorna, Dr. B. Scholtens, Dr. J. Slomp (members), Prof. J. de Haan (scientific director). Secretary of the committee is Mrs. A.C. Koning and the PhD coordinator, Dr. D.P. van Donk has an advisory role.

SOM's PhD education committee gives advice on the PhD education program. Topics include the proportion of compulsory SOM courses in relation to the courses within the national PhD networks, the content of the courses, and PhD matters in general. At the end of 2002 the committee was composed as follows: Prof. E. Molleman, Dr. L. Schoonbeek, L. Sjarbaini, F. Wijbenga, Prof. J. de Haan (scientific director) and Dr. D.P. van Donk (PhD coordinator).

3 Research

Researchers in SOM participate in one or more research groups (themes). After the termination of the participation of the FRW in SOM, the previous theme D (Regional Science) was disbanded and replaced by the new theme on management accounting. The focus of the themes A, B and E has been changed as well. A short description of the research themes is provided below.

3.1. Theme A: The human and technical side of production: the management of interdependencies

Theme leader: E. Molleman

Over the last decades, work processes within firms have become more knowledge-based, which is accompanied by the differentiation and specialisation of jobs and functions and by the growing role of technology and ICT. This has resulted in organisations and networks with complex structures, complex jobs and complex processes. Consequently, various interdependencies exist at different levels within firms, between firms and between firms and their customers. The general research problem of this programme is how to unravel these interdependencies in structural and behavioural aspects and how to deal with these interdependencies. The focus is on interdependencies within primary processes in firms where people and technical equipment transform information and/or materials into services and products.

This programme has a multi-disciplinary focus and combines and integrates knowledge and expertise from the fields of operations management, production management, human resource management, organisational behaviour, mathematics and statistics. The multi-disciplinary approach cross-fertilizes these fields and contributes to underexposed inter-disciplinary areas in organisation and management studies.

The issues in this theme are studied using a broad range of research methods, such as, formal model building, simulation studies, conceptual and theoretical work, longitudinal research, surveys, and case studies. Both quantitative and qualitative data-analyses methods are applied.

Close links exist with SOM theme B (e.g. with respect to knowledge management), theme D (management accounting and financial management) and theme G (joint projects for the Academic Hospital, AZG).

Fellows:

E. Berghout, E. de Brock, D.P. van Donk, G. Gaalman, H. Gazendam, E. Jehn, W. Klein Haneveld, M. Mobach, E. Molleman, G. Sierksma, J. Slomp, N. Suresh, M.H. van der Vlerk, J. Wijngaard, M. de Witte, A. van der Zwaan, D.J. van der Zee

Associate Fellows:

A. Boonstra, M. Broekhuis, B. Emans, B. Goldengorin, P. van der Meer, A. J. Riezebos, J. de Vries, J. van der Werf, W. van Wezel

PhD Candidates:

R. Akkerman, J. Bokhorst, A. Boogers, P. Bosch-Sytsema, A. Budihardjo Surijah, R. Cysouw, S. Drijver, M. Helmhout, P. Henrich, F. ten Kleij, B. Kuipers, L. van der Meer, A. van Rheede, S. Rispens, L. Sjarbaini, C. Soman, E. Talens, C. Tempelman, M. Turkensteen, N. Turusbekova, G. Welker, H. Yue, K. Zoethout, L. Zomerdijk.

3.2. Theme B: Innovation, knowledge and Interaction

Theme leader: N. Wijnberg

Innovation is understood as producing or doing something new – often in relation to a reference group – with the aim of ultimately improving one's competitive position or ways of collaboration with others. This implies that innovation cannot be considered apart from competition and collaboration and that the value of something new can only be determined in comparison with something older competing with something new. Also, innovating necessarily means applying and increasing knowledge, of the innovating actors with their organisational structures, and of the actors determining the value of the innovation.

Two issues are especially important in theme B: knowledge creation for sustainable innovation and the strategic aspects of non-technical innovation. The research concerning knowledge creation for sustainable innovation especially aims to define sustainability in terms of knowledge and knowledge management, so as to better understand, and provide tools to improve, the processes of innovation management, taking into full account not only the immediate competitive environment but also the effects at other levels of analysis. Non-technical innovation includes stylistic innovation, organisational innovation, and innovation concerning the non-technical aspects of services. The attraction of non-technical innovation as a field of research lies especially in the opportunities that arise from studying these types of innovation. That is, researchers, are challenged by data that do not conform to standard textbook representations and are forced to make use of frameworks and methodologies from many diverse disciplines.

In theme B, innovation is approached using different levels of analysis and also using the insights and methodologies of different disciplines, including the behavioural sciences, especially psychology, sociology, and economics, the natural sciences, particularly engineering and computer and information science, and also the sciences concerned with the arts, so as to better understand innovation concerning the non-technical aspects of products and services.

Close links exist with the National Initiative for Sustainable Development (NIDO) with which the research programme on Knowledge and Sustainable Innovation is put into effect.

There are connections between theme B and all of the other themes, but especially with theme A (e.g. knowledge management), with theme C (innovation), with theme F (the marketing of new products), and with theme G (comparative studies of innovation systems)

Fellows:

B. van Ark, E. Berghout, W. Biemans, L. Broersma, P. Buckley, E. Dietzenbacher, H. van Ees, G. Gemser, W. Jager, R. Jorna, P. Leeflang, T. Postma, R. Leenders, B. Los, M. Timmer, N. Wijnberg

Associate fellows:

D. Kamann, C. Lutz, J. Smits

PhD candidates:

A. Ali Hamid, E. Bakker, T. Broekhuizen, N. Campbell, E. Croonen, N. Faber, J. Mol, J. Waalkens, S. Wahyuni Wibisono, D. Welling, F. Wijbenga.

3.3. Theme C: Coordination and growth in economies

Theme leader: B. Heijdra

This theme incorporates SOM-research on economic growth and co-ordination issues. Part of the research programme focuses on the analysis of the determinants of economic growth, including trade, migration, technological change and investment in human, physical and infrastructural capital. There is much emphasis on spatial (both international and regional) and sectoral patterns of growth. The other part of the research concentrates on co-ordination issues in product-, labour- and capital markets and their impact on growth. It is related to recent research in institutional economics, and to research on static and dynamic efficiency.

Research in this theme provides a perspective on the functioning of the environment in which firms operate and how this environment affects the relation between firm behaviour and macroeconomic growth performance of economies.

The research is mainly rooted in macroeconomics, international economics and business, regional economics, applied econometrics and economic history. It uses various research tools, such as general equilibrium models, stochastic modelling, structural growth models, input-output analysis, growth accounting techniques and quantitative economic history.

Close links exist with other SOM research, such as research on corporate governance and banks (with theme E), and innovation (with theme B).

Fellows:

B. van Ark, S. Brakman, L. Broersma, L. Delsen, E. Dietzenbacher, R. Fremdling, J. de Haan, B. Heijdra, N. Hermes, J. Jacobs, C. Jepma, T. van de Klundert, G. Kuper, R. Lensink, B. Los, J. Oosterhaven, M. Timmer

Associate Fellows:

P. Elhorst, F. de Kam, H. Plasmeijer, E. Schoorl, J. Smits, D. Strijker

PhD candidates:

P.-H. van Mulligen, R. Inklaar, W. Romp, A. Zeilstra.

3.4. Theme D: Management accounting and financial management

Theme leader: J. van Helden

This theme includes research in the fields of management accounting and financial management. Part of the research programme focuses on the explanation of changes in management accounting processes in both profit and not-for-profit organisations, which take place due to external pressure from the environment. It particularly includes: the role of new management accounting instruments in realising changes in the organisation of transactions and activities within organisations; management control of intra-firm and inter-firm transactional relationships; evaluation of performance of managers in governmental organisations by politicians, as well as success and failure factors of new systems of planning and control in governmental organisations. The theoretical concepts are mainly derived from various institutional theories. As the emphasis is on studying processes of change, the dominant research method is case research. The other part of the research concerns financial management, and is directed to the managerial aspects of finance, and particularly deals with direct foreign investments, initial public offerings, privatisation and conglomeratisation. Moreover, attention is given to transformation and learning processes and to emerging and developing economies. The methods used are simulation, empirical analysis of secondary and survey data, generally in combination with case research.

The research of this theme is linked to other SOM themes, such as research on production and operations management and human resource management (theme A), financial intermediation (theme E) and cross-contextual comparison of institutions and organisations (theme G).

Fellows:

H. ter Bogt, J. van Helden, B. Scapens.

Associate fellows:

H. von Eije, P. Jansen, J. van der Meer-Kooistra.

PhD candidate:

M. van der Steen.

3.5. Theme E: Financial intermediation

Theme leader: E. Sterken (currently R. Lensink)

This research programme analyses the existence, behaviour, performance, and regulation of Financial Intermediaries (FI). The theory of information economics is central to the program. A key role in the programme is the analysis of bank behaviour in relation to monetary policy. Monetary policy not only affects banks' lending policies through interest rate changes, but also via many other mechanisms which depend on the balance sheets of the intermediaries, and of firms and households, and on their net-wealth position. Besides bank behaviour, the program analyses behaviour of institutional investors. An important element of this field is the analysis of

the soundness of investment policies of institutional investors. Research in this theme provides a perspective on the functioning of the financial markets and institutions and how the financial system affects real economic development. So the main contribution is to describe and analyse the financial environment of firms and households. The research is mainly rooted in monetary economics, financial economics, and applied econometrics. It uses various research tools, such as partial and general equilibrium models, stochastic modelling, econometrics, and contract theory. Close links exist with other SOM research, such as research on co-ordination of economic activity (theme C), management accounting and financial management (theme E) and consumer behaviour (theme F).

Fellows:

S. Benninga, H. Bo, T. Dijkstra, J. de Haan, N. Hermes, T. Immink, G. Jiang, R. Lensink, R. van der Meer, A. Plantinga, B. Scholtens, E. Sterken.

Associate fellows:

C. Huijgen, R. Koning

PhD candidates:

L. Dam, A. Elbourne, M. van Herpen, Lestano, R. van der Molen, I. Naaborg, E. Nijse, C. Oosterhof, S. Parijs, R. Salomons, L. Toolsema-Veldman, T. Wouters.

3.6. Theme F: Interactions between consumers and firms

Theme leader: P. Leeflang.

While the firm is the central entity in SOM's research themes, it is of crucial importance in any analysis related to firms to understand the incentives and the behaviour of all individual actors involved. In the end, it is the behaviour of these individuals and their mutual interactions that define the more abstract concept of "firm behaviour". The actors involved in firm behaviour include owners, shareholders, managers, employees, and consumers. The interaction between consumer behaviour and the behaviour of firms is the central topic in this theme.

The potential of this research focus stems in part from the general lack of co-operation between various research fields. For example, microeconomic research on markets often assumes perfectly rational consumers, while research in marketing and economic psychology provides ample evidence that this assumption is often not tenable. Another example is that marketing research often ignores the endogeneity of prices and other marketing aspects when analysing their impact on consumer behaviour.

The purpose of this theme is to unify current research in these areas. The use of econometric methods has a central role. Empirical work in the areas described above requires the application of modern econometric techniques, such as nonparametric estimation and estimation by the method of simulated moments. One of the aspects of the research in this theme is endogenising variables that are usually taken as exogenous.

There are connections with theme B (marketing of new products) and with theme E (e.g. joint NWO project on sustainability).

Fellows:

P. Bekker, M. Haan, J. Hoekstra, E. Huizingh, P. Kooreman, E. Meijer, P. Leeftang, P. Rao Sahib, L. Schoonbeek, T. Wansbeek, M. Wedel, D. Wittink.

Associate fellows:

R. Koning, M. van de Velden, D. Wiersma, G. Willenborg

PhD candidates:

M. Aakouk, F. Adiguzel, T. Broekhuizen, A. van Dijk, P. Ebbes, J. Gonçalves Dias, P. Heijnen, E. Hoppen, C. Horváth, A. Soetevent, F. Wijbenga, J. Woltman Elpers.

3.7 Cross-contextual comparison of institutions and organisations

Theme leader: A. Sorge

The programme focuses on the comparative analysis of interdependencies between organisations, contexts, practices and understandings. This implies a multi-paradigmatic, multi-level and multi-country approach to the study of organisational conduct and performance. Cross-contextual comparison derives theory on the basis of comparing across different contexts. Such contexts may be industrial, societal or national, regional, or institutional in another way. Therefore, the theme is distinctive for the comparative multi-firm, multi-industry and multi-country study of intra and inter-organisational conduct and performance by adopting an attitude of methodological triangulation (exploring different, complementary research methods, both qualitative and quantitative in nature) and theoretical cross-fertilisation (combining different theoretical perspectives, from a variety of relevant disciplines). The preferred field of study is larger Europe, in the midst of both internationalisation and development of national or regional institutional advantage or disadvantage.

Close links exist with SOM theme A (joint projects for the AZG), with theme B (comparative studies of innovation) and theme D (management accounting and financial management).

Fellows

R. Bachmann, H. van Ees, L. Karsten, G. Péli, T. Postma, A. Sorge, A. van Witteloostuijn.

Associate fellows

A. Saka, K. van Veen.

PhD candidates

J. Bezemer, D. Dikova Grancharova, B. Kibriscikli, J. Zhang.

4 The Graduate School and PhD Education

4.1 Introduction

In the previous years many measures were taken to improve the supervision of PhD's, like regular evaluations of PhD's and their supervisors. In 2002 supervision issues again were high on the agenda, but new themes emerged as well: the development of the Research Master and its relation with PhD projects.

4.2 Introductory course and essay competition

The SOM introductory course, in which the coordinators of the various SOM research themes introduce the research activities of the theme members, was organised in March. A PhD candidate or a postdoc, who gave some more detailed overview of their projects, also represented each theme. The PhD's and postdocs especially paid attention to the process of conducting research and telling about "the good, the bad and the ugly" parts of their projects.

The essay competition aims at giving PhD candidates some feeling of interdisciplinary research. Two PhD candidates from different themes have to write an interdisciplinary essay related to their research themes or own projects.

The jury of the 2002 essay competition, consisting of Ulf Böckenholt, Peter Groote, Bart Los, Ben Emans, Jakob de Haan and Dirk Pieter van Donk, read ten papers. This year the members of the jury also agreed to write review reports in order to enhance the feedback on the submitted essays. A number of the essays have been published as a SOM research report after the comments of the jury had been taken into account.

This year two papers were considered to be considerable better than the others.

The first prize was for Hanneke Bol and Ward Romp with their paper "*Protest Parties, A Luxury Product?*"

From the jury report:

"Based on empirical data for economic growth and welfare, and the results of elections an answer is given to the title's rhetoric question. The reviewer considered this paper to address an issue of particular actual interest, in view of the events just before the most recent Dutch elections and the outcomes of these elections. The paper is well written and the construction of the data is generally well explained. Moreover, the authors do well in explicitly linking their contribution to the existing body of literature. The jury found the paper also original in its hypotheses and testing of these and in its linking of different views."

The second prize was awarded to Renzo Akkerman and Marrig Knip for their paper "*Variability in Hospital Stay: Key Determinant Behind Effective Hospital Operation*"

From the jury report:

“The essay addresses an important problem (with a high policy relevance) faced by the Dutch health system. Patients have to wait long before they can have an operation. The main aim of the paper is to investigate whether a reallocation of hospital beds is feasible in a Dutch hospital that performs cardiac surgery. The authors use mathematical techniques (Markov chain analysis) and numerical simulation analysis to come up with answers to this research question. Here, a number of well-known techniques were linked to a problem in a hospital, in which medical science and empirical data from the hospital made a strong contribution.”

4.3 SOM PhD conference

The annual PhD conference was held on January 24, 2002 in the FREIA building, where 47 PhD candidates presented their papers. The same number of staff members was active as discussant during this day. All in all, the day was the largest event in the history of SOM in terms of people actively being involved in research as most of the audience also eagerly participated in the discussion with either the presenter or the discussant. Around 200 people attended (part of) the conference: mostly attending several sessions, discussing research but also taking the opportunity to meet people in an informal surrounding. Plenary lectures were given by Ben Dankbaar from the Nijmegen School of Management and by Peter Leeftang from the FEW.

4.4 PhD committee

The role of this committee is to facilitate communications from SOM to the PhD candidates and vice versa. The committee acts as an independent source of information for PhD candidates, keeping them up-to-date on decisions that are taken and plans that are under discussion. This information can be found via a link to the PhD committee on the SOM homepage.

The communication from the PhD population to SOM is also an important part of the committee's task. The director of SOM can ask for the committee's opinion about plans and current matters. Also, the committee can initiate plans for a better use of the advantages of SOM. PhD candidates can submit plans or opinions to the committee, either by seeing one of the members or through e-mail. For this reason, the composition of the committee is such that there is always a member a few doors away.

4.5 SOM PhD theses

Faculty of Management and Organisation

Budihardjo, A., Planners in action: roadmap for succes. An empirical study on the relationship between job decision latitude, responsiveness and planning effectiveness in road transport companies, Promotores: Jorna, R.J.J.M., Zwaan, A.H. van der, Wijngaard, J., Rijksuniversiteit Groningen, Labyrint Publication, Capelle a/d IJssel

Wolpert, L.-J., Management van organisatievernieuwing, een analyse van de constructieprocessen van de business-unitvorming binnen Akzo (1987-1993), Promotores: Sanders, G.J.E.M., Karsten, L., Rijksuniversiteit Groningen, Labyrint Publication, Capelle a/d IJssel

Faculty of Economics

Goldengorin, B., Data correcting algorithms in combinatorial optimization, Promotores: Sierksma, G., Ghosh, D., Rijksuniversiteit Groningen, Labyrint Publication, Capelle a/d IJssel

Kornelis, M., Modeling market shake-ups using time series data, an application to the advertising market of the Netherlands, Promotores: Leeftang, P.S.H., DeKimpe, M., Rijksuniversiteit Groningen, Labyrint Publication, Capelle a/d IJssel

Leertouwer, E., Measurement issues in political economy, Promotores: Haan, J. de, Wansbeek, T.J., Rijksuniversiteit Groningen, Labyrint Publication, Capelle a/d IJssel

Ruijs, A.J.W., Dereal trade in developing countries, a stochastic equilibrium analysis of market liberalisation and institutional changes in Burkina Faso, Promotores: Schweigman, C., Dietzenbacher, H.W.A., Rijksuniversiteit Groningen, Labyrint Publication, Capelle a/d IJssel

Tillema, S., Sophistication of accounting instruments, An integrated framework for explaining the use of simple and advanced management accounting information, Promotores: Helden, G.J. van, Loon, P.J.J.M. van, Scapens, R.W., Rijksuniversiteit Groningen, Labyrint Publication, Capelle a/d IJssel

Wang, A.H., Accounting, business performance and the valuation of firms, Promotor: Feenstra, D.W., Rijksuniversiteit Groningen, Labyrint Publication, Capelle a/d IJssel

Appendix 1: International publications

This appendix provides a list of international publications by SOM fellows and associate fellows.

Theme A

Books:

Boonstra, A., Boddy, D., Kennedy, G., Managing information systems: an organisational perspective, Pearson Education Limited, Harlow, 2002

Boonstra, A., Boddy, D., Teaching cases in E-business, CAMBS, Melbourne, 2002

Slomp, J., Gaalman, G.J.C., The competition advantage of flexible automation, SME Technical Papers, 250, 2002

Chapters in books:

Bastiaans, N., Ruel, G., Nauta, A., Innovative learning systems: the influence of the teacher's new role on student performance, In: Bentzen-Bilkvist, A., Gijsselaers, W.H., Milter, R.G. (red.), Educational innovation in economics and business VII, Kluwer Academic Publishers, Dordrecht/Boston/London, 2002, pp. 249-261

Boonstra, A., Information systems and organizational change, In: Boddy, D. (red.), Management, Prentice Hall, London, 2002, pp. 536-563

Gazendam, H.W.M., Conceptual analysis and specification of organization theories, In: Wood, J.C., Woods, M.C. (red.), Henri Fayol: critical evaluations in business and management: Volume II, Routledge, London, 2002, pp. 381-398

Publications in journals:

Albareda-Sambola, M., Vlerk, M.H. van der, Fernández, E., Exact solutions to a class of stochastic generalized assignment problems, In: Stochastic Programming E-print Series, nr. 4, 2002

Benders, J., Riezebos, J., Period batch control: classic not outdated, In: Production, Planning and Control, 13, nr. 6, 2002, pp. 497-506

Benders, J., Riezebos, J., When 'culture' matters: Management accounting change within processes of organizational learning and transformation, In: Reflections: the Society for Organizational Learning Journal, 4, nr. 1, pp. 43-52

Beukel, A. van den, E. Molleman, Too little, too much: Downsides of multifunctionality in teambased work, In: Personnel Review, nr. 31, pp. 482-494

Bokhorst, J., Slomp, J., Suresh, N., An integrated model for part-operation allocation and investments in CNC technology, In: International Journal of Production Economics, nr. 75, 2002, pp. 267-285

Broersma, A.L.A., Sierksma, G., Wijngaard, J., Decomposed vs integrated control of a one stage production system, In: European Journal of Operational Research, nr. 138, 2002, pp. 569-577

Gaalman, G.J.C., Perona, M., Workload control in job shops, In: Production, Planning and Control, nr. 13, 2002, pp. 565-567

- Ghosh, D., Sierksma, G., Complete local search with memory, In: *Journal of Heuristics*, nr. 8, 2002, pp. 571-584
- Klein Haneveld, W.K., Vlerk, M.H. van der, Integrated chance constraints: reduced forms and an algorithm, In: *Stochastic Programming E-print Series*, nr. 14, 2002
- Maatman, A., Schweigman, C., Ruijs, A.J.W., Vlerk, M.H. van der, Modeling farmers' response to uncertain rainfall in Burkina Faso: a stochastic programming approach, In: *Operations Research*, 50, nr. 3, 2002, pp. 399-414
- Meer, P.H. van der, Glebbeek, A.C., The return to formal overschooling: Filling a research gap, In: *The Netherlands Journal of Social Sciences*, 37, nr. 2, pp. 108-132
- Mobach, M.P., Pharmaceutical care research: Hard of soft?, In: *Pharmacy World & Science*, 24, nr. 1, 2002, pp. 1-4
- Molleman, E., Slomp, J., Rolefes, S., The evolution of a cellular manufacturing system., A longitudinal case study, In: *International Journal of Production Economics*, nr. 75, pp. 305-322
- Molleman, E., Timmerman, H., Performance management when innovation and learning become critical performance indicators, In: *Personnel Review*, nr. 32, pp. 93-113
- Nauta, A., Dreu, C.K.W. De, Vaart, J.T. van der, Social value orientation, organizational goal concerns and interdepartmental problem-solving behavior, In: *Journal of Organizational Behavior*, nr. 23, pp. 199-213
- Parente, D., Pegels, C., Suresh, N., An exploratory study of the sales-production relationship and customer satisfaction, In: *International Journal of Production Research*, 22, nr. 9, 2002
- Slomp, J., E. Molleman, Cross-training policies and team performance, In: *International Journal of Production Research*, 40, nr. 5, pp. 1193-1219
- Teunter, R.H., Klein Haneveld, W.K., Inventory control of service parts in the final phase, In: *European Journal of Operational Research*, 137, nr. 3, 2002, pp. 497-511
- Teunter, R.H., Klein Haneveld, W.K., Inventory control of service parts in the final phase: a central depot and repair kits, In: *European Journal of Operational Research*, 138, nr. 1, 2002, pp. 76-86
- Velde, R.R. van der, Donk, D.P. van, Understanding bi-project management: Engineering complex industrial construction projects, In: *International Journal of Project Management*, nr. 20, pp. 525-533
- Vlerk, M.H. van der, Convex approximations for complete integer recourse models, In: *Stochastic Programming E-print Series*, nr. 10, 2002
- Vlerk, M.H. van der, On multiple simple recourse models, In: *Stochastic Programming E-print Series*, nr. 7, 2002
- Zee, D.J. van der, Adaptive scheduling of batch servers in flow shops, In: *International Journal of Production Research*, 40, nr. 12, 2002, pp. 2811-2833
- Zwaan, A.H. van der, Eije, J.H. von, Witte, M.C. de, HRM consequences of going public, In: *International Journal of Manpower*, 23, nr. 2, 2002, pp. 126-136

Theme B

Chapters in books:

Berghout, E.W., Nijland, M., Full life cycle management and the IT management paradox, In: Remenyi, D., Brown, A. (red.), *The make or break issues in IT management: a guide to 21st century effectiveness*, Butterworth-Heinemann, 2002, pp. 77-107

Heusden, B.P. van, Jorna, R.J.J.M., Reconsidering the standard: a semiotic model of organizations, In: Liu, K., Clarke, R.J., Bøgh Andersen, P., Stamper, R.K. (red.), *Coordination and Communication Using Signs, Studies in Organisational Semiotics*, Kluwer Academic Publishers, Boston/Dordrecht/London, 2002, pp. 153-167

Jager, W., Janssen, M.A., Using artificial agents to understand laboratory experiments of common-pool resources with real agents, In: Janssen, M.A. (red.), *Complexity and ecosystem management: The theory and practice of multi-agent systems*, Edward Elgar Publishing Company, Cheltenham UK, Northampton, MA, USA, 2002, pp. 75-102

Leenders, R.Th.A.T., Kratzer, J., Hollander, J., Engelen, J.M.L. van, Managing product development teams effectively, In: Belliveau, P., Griffin, A., Somermeyer, S.M. (red.), *PDMA toolbook of new product development*, Wiley, London, 2002, pp. 141-163

Publications in journals:

Blair, A., Karsten, L., Leopold, J., The fight over working hours: trade union action or state control? A British Dutch comparative perspective, In: *The Journal of European Economic History*, 31, nr. 2, 2002, pp. 273-291

Bosch-Sijtsema, P.M., A structure of roles within virtual organizations, In: *International Journal of*

Information Technology and Decision-making, 1, nr. 3, 2002, pp. 371-384

Buckley, J.P., Is the international business research agenda running out of steam?, In: *Journal of International Business Studies*, 33, nr. 2, 2002, pp. 365-373

Gemser, G., Zee, E. van, Benchmarking industrial design services, In: *The Design Journal*, 5, nr. 2, 2002, pp. 35-52

Gemser, G., Jacobs, D., Private regulation to appropriate value from design innovations: implications for anti-trust policy, In: *Technology Analysis & Strategic Management*, 14, nr. 4, 2002, pp. 443-456

Jager, W., Janssen, M.A., Vlek, C.A.J., How uncertainty stimulates overharvesting in a resource dilemma: Three process explanations, In: *Journal of Environmental Psychology*, nr. 22, 2002, pp. 247-263

Janssen, M.A., Jager, W., Stimulating diffusion of green products, In: *Journal of Environmental Psychology*, nr. 12, pp. 283-306

Jorna, R.J.J.M., Actors, and organizations, or why organizations are about managing knowledge, In: *Semiotics, Evolution, Energy and Development Journal*, nr. 4, 2002, pp. 59-92

Jorna, R.J.J.M., Organizational forms and knowledge types: A cognitive multi-actor approach, In: *Australian Journal of Information Systems*, 10, nr. 1, 2002, pp. 29-41

Leenders, R.Th.A.T., Modeling social influence through network autocorrelation: constructing the weight matrix, In: *Social Networks*, nr. 24, 2002, pp. 21-47

Maanen, H. van, Berghout, E.W., Cost management of IT beyond cost of ownership

models: a state of the art overview of the Dutch financial services industry, In: Evaluation and Program Planning, nr. 25, 2002, pp. 167-173

Nijssen, E., Biemans, W.G., Involving purchasing in product development, In: R&D Management, 32, nr. 4, 2002, pp. 281-289

Postma, T.J.B.M., Terpstra, S., Longe range planning of radiotherapy facilities in the Netherlands, In: European Journal of Health Economics, 3, nr. 4, 2002, pp. 251-260

Postma, T.J.B.M., The adaptability of corporate governance, In: East Asian Economic Perspectives, nr. 13, pp. 97-100

Vindigni, G., Janssen, M.A., Jager, W., Organic food consumption: A multi-theoretical framework of consumer decision making, In: British Food Journal, 104, nr. 8, 2002, pp. 624-642

Wijnberg, N.M., Ende, J.C.M. van den, De Wit, O., Decision -making at different levels of the organization and the impact of new information technology, Two cases from the financial sector, In: Group and Organization Management, 27, nr. 3, 2002, pp. 408-429

Theme C

Books:

Heijdra, B.J., Ploeg, F. van der, Foundations of modern macroeconomics, Oxford University Press, Oxford, 2002

McGuckin, R., Ark, B. van, Performance 2001: Productivity, employment and income in the world's economies, The Conference Board, New York, 2002

Mulder, J.H., Economic performance in the Americas. The role of the service sector in Brazil, Edward Elgar, London, 2002

Chapters in books:

Ark, B. van, Understanding productivity and income differentials among OECD countries: a survey, In: Sharpe, A., St-Hilaire, F., Banting, K. (red.), The review of economic performance and social progress. Towards a social understanding of productivity, CSLs/IRPP, Ottawa/Montreal, 2002, pp. 69-92

Ark, B. van, Timmer, M.P., Realising growth potential: South Korea and Taiwan, 1960 to 1998, In: Maddison, A., Prasada Rao, D.S., Shepherd, W.F. (red.), The Asian economies in the twentieth century, Edward Elgar, London, 2002, pp. 226-242

Dietzenbacher, H.W.A., Hoekstra, R., The RAS structural decomposition approach, In: Hewings, G.J.D., Sonis, M., Boyce, D. (red.), Trade, networks and hierarchies, Springer Verlag, Berlin-New York, etc., 2002, pp. 179-199

Evers, G.H.M., Meer, P.H. van der, Oosterhaven, J., Polak, J.B., Regional impacts of new infrastructure: A multi-sectoral potentials approach, In: Stough, R., Vickerman, R., Button, K., Nijkamp, P. (red.), Transport infrastructure, classics in transport analysis, Edward Elgar, London, 2002

Hermes, C.L.M., Lensink, B.W., The impact of foreign bank entry on domestic banks in less developed countries: an econometric analysis, In: Kowalski, T., Lensink, B.W., Vensel, V. (red.), Foreign banks and economic transition, Poznan University Press, Poznan, 2002, pp. 129-146

Maddison, A., Ark, B. van, The international comparison of real product and productivity, In: Maddison, A., Prasada Rao, D.S., Shepherd, W.F. (red.), The Asian economies in the twentieth century, Edward Elgar, London, 2002, pp. 5-26

Oosterhaven, J., Stelder, D., On the economic impact of the transport sector: A critical review with Dutch bi-regional input-output data, In:

Hewings, G.J.D., Sonis, M., Boyce, D. (red.), Trade, networks and hierarchies, Springer Verlag, Berlin-New York, etc., 2002, pp. 119-133

Timmer, M.P., Szirmai, A.E., Kamp, R. van der, Growth of the capital stock and technological change in Indonesian textile industry, In: Lindblad, J.Th. (red.), Asian growth and foreign capital: Case studies from Eastern Asia, Aksant, Amsterdam, 2002, pp. 153-182

Timmer, M.P., Ark, B. van, Capital formation and foreign direct investment in Korea and Japan: Coping with diminishing returns, In: Lindblad, J.Th. (red.), Asian growth and foreign capital: Case studies from Eastern Asia, Aksant, Amsterdam, 2002, pp. 59-98

Publications in journals:

Ark, B. van, Measuring the new economy: an international comparative perspective, In: Review of Income and Wealth, 48, nr. 1, 2002, pp. 1-14

Ark, B. van, Timmer, M.P., Notes and communications: industry productivity comparisons, In: De Economist, 140, nr. 1, 2002, pp. 95-109

Ark, B. van, Serrano, L., Productividad del sector manufacturas en España: medio siglo de crecimiento y convergencia (Productivity in Spanish manufacturing: half a century of growth and convergence), In: Historia Industrial, nr. 19/20, 2001, pp. 77-101

Ark, B. van, Mitkä toimialat johtavat globaalia tuottavuuskilpailua? EU, Suomi ja USA (Which industries lead the global productivity race? The European Union, Finland and the United States), In: Talous & Yhteiskunta (Economy and Society), nr. 3, 2002, pp. 9-14

Bovenberg, A.L., Heijdra, B.J., Environmental abatement and intergenerational distribution, In: Environmental and Resource Economics, 23, 2002, pp. 45-84

Broersma, L., Dijk, J. van, Regional labour market dynamics in The Netherlands, In: Papers in Regional Science, 81, nr. 3, 2002, pp. 343-364

Broersma, L., Butter, F.A.G. den, An explorative empirical analysis of the influence of labour flows on wage formation, In: Applied Economics, nr. 34, 2002, pp. 1583-1592

Dietzenbacher, H.W.A., Interregional multipliers: looking backward, looking forward, In: Regional Studies, 36, nr. 2, 2002, pp. 125-136

Dietzenbacher, H.W.A., Los, B., Externalities of R&D expenditures, In: Economic Systems Research, 14, nr. 4, 2002, pp. 407-425

Doornbusch, H., Broersma, L., Boering, G., Wesselink, P.R., Radiographic evaluation of cases referred for surgical endodontics, In: International Endodontic Journal, 35, 2002, pp. 472-477

Fremdling, R.R., Regionale Interdependenzen zwischen Montanregionen in der Industrialisierung, In: Pierenkemper, T. (red.), Die Industrialisierung Europäischer Montanregionen im 19. Jahrhundert, Steiner, Stuttgart, 2002, pp. 365-388

Fremdling, R.R., Migrantenerfahrung und Deutsche Universitätsreform. Vorschläge aus Niederländischer Sicht I, In: Demm, E. (red.), Deutscher Brain Drain, Europäische Universitätsysteme und Hochschulreform, Friedrich Ebert Stiftung, Bonn, 2002, pp. 71-78

Haan, J. de, Inklaar, R., Sleijpen, O.C.H.M., Have business cycles in the US states become more synchronised?, In: Journal of Common Market Studies, 40, nr. 1, 2002, pp. 23-42

Heijdra, B.J., Meijdam, L. Public investment and intergenerational distribution, Journal of Economic Dynamics and Control, nr. 26, 2002, pp. 707-735

Heijdra, B.J., Ligthart, J.E., Tax policy, the macroeconomy, and intergenerational distribution, In: IMF Staff Papers, nr. 49, 2002, pp. 106-127

Heijdra, B.J., Ligthart, J.E., The hiring subsidy cum firing tax in a search model of unemployment, In: Economics Letters, nr. 75, pp. 97-108

Leertouwer, E., Maier, P., International constraints on political business cycles in OECD countries: a comment, In: International Organization, 56, nr. 1, 2002, pp. 209-221

Los, B., Verspagen, B., An introduction to the analysis of systems of innovation: Scientific and technological interdependencies, In: Economic Systems Research, 14, nr. 4, 2002, pp. 315-322

Oosterhaven, J., Stelder, D., Net multipliers avoid exaggerating impacts: With a bi-regional illustration for the Dutch transportation sector, In: Journal of Regional Science, 42, nr. 3, 2002, pp. 533-543

Riyanto, Y.E., Yetkiner, H.I., A market mechanism for scientific communication: A proposal, In: Kyklos, 55, nr. 4, 2002, pp. 563-567

Schoorl, E., Jean-Baptiste Say as a Benthamite Utilitarian, In: History of Economic Ideas, nr. X/2002/1, 2002, pp. 33-47

Sturm, J.E., Leertouwer, E., Haan, J. de, Which economic freedoms contribute to growth: a comment, In: Kyklos, 55, 2002, pp. 403-416

Timmer, M.P., Climbing the technology ladder too fast? New evidence on comparative productivity performance in Asian Manufacturing, In: Journal of Japanese and International Economies, 16, 2002, pp. 50-72

Timmer, M.P., Serrano, L., Is technical change directed by the supply of skills? The case of South Korea, In: Economics Letters, 76, 2002, pp. 289-293

Timmer, M.P., Szirmai, A.E., Kamp, R. van der, Measuring embodied technological change in Indonesian textiles: The core machinery approach, In: Journal of Development Studies, 39, nr. 2, 2002, pp. 155-177

Volkerink, B., Sturm, J.-E., Haan, J. de, Tax, ratios in macroeconomics: Do taxes really matter?, In: Empirica, nr. 29, 2002, pp. 209-224

Theme D

Books:

Bogt, H.J. ter, Helden, G.J. van, Cases management accounting, University of Groningen, Groningen, 2002

Ryan, B., Scapens, R.W., Theobald, M., Research methods and methodology in accounting and finance, Thomson Learning, London, 2002

Chapters in books:

Helden, G.J. van, Admiraal, R.J., Exploring the balanced scorecard concept in the design of a performance measurement system for waste water treatment in the Netherlands, In: Montesinor, V., Vela, J.M. de (red.), Innovations in governmental accounting, Kluwer Academic Publishers, Dordrecht/Boston/London, 2002

Publications in journals:

Busco, C., Riccaboni, A., Scapens, R.W., When "culture" matters: management accounting change: within processes of organizational learning and transformation, In: Reflections: the Society for Organizational Learning Journal, 4, nr. 1

Eije, J.H. von, Westerman, W., Multinational cash management and conglomerate discounts in the Euro zone, In: *International Business Review*, 11, nr. 4, 2002, pp. 453-464

Helden, G.J. van, Johnsen, A., A comparative analysis of the development of performance-based management systems in Dutch and Norwegian local government, In: *International Public Management Journal*, nr. 5, 2002, pp. 432-435

Theme E

Books:

Braaksmā, B.L.J., Immink, G.K., Top, J., Put, M. van der (red.), *Differential equations and the Stokes Phenomenon*, World Scientific, Singapore, 2002

Kowalski, T., Lensink, B.W., Vensel, V. (red.), *Foreign banks and economic transition*, Poznan University Press, Poznan, 2002

Publications in journals:

Amtenbrink, F., Haan, J. de, The European Central Bank: an independent specialized organization of community law - a comment, In: *Common Market Law Review*, nr. 39, 2002, pp. 65-76

Benninga, S.Z., Bjoerk, T., Wiener, Z., On the use of numeraire methods in option pricing, In: *Journal of Derivatives*, 10, nr. 2, 2002, pp. 1-15

Benninga, S.Z., Tolkowsky, E., Real options - An introduction and an application to R&D valuation, In: *Engineering Economist*, 47, nr. 2, 2002, pp. 151-168

Berger, H., Haan, J. de, Are small countries too powerful within the ECB?, In: *Atlantic Economic Journal*, 30, nr. 3, 2002, pp. 1-20

Bo, H., Idiosyncratic uncertainty and firm investment, In: *Australian Economic Papers*, 41, nr. 1, 2002, pp. 1-14

Bo, H., Sterken, E., Volatility of the interest rate, debt and firm investment: Dutch evidence, In: *Journal of Corporate Finance*, nr. 8, 2002, pp. 179-193

Bo, H., Kuper, G.H., Lensink, B.W., Sterken, E., Dutch inventory investment: are capital market imperfections relevant?, In: *Applied Economics*, 34, nr. 1, 2002, pp. 15-22

Brunia, N., Plantinga, A., Scholtens, L.J.R., Exposure to socially responsible investing of mutual funds in the Euronext stock markets, In: *Journal of Performance Measurement*, 6, nr. 3, 2002, pp. 40-50

Dijkstra, T.K., Yao, Y., Moment generating function approach to pricing interest rate and foreign exchange rate claims, In: *Insurance Mathematics and Economics*, 31, nr. 2, 2002, pp. 163-178

Eijffinger, S.C.W., Haan, J. de, Koedijk, C.G., Small is beautiful, In: *European Journal of Political Economy*, 18, nr. 2, pp. 365-374

Hunt, B.R., Kennedy, J.A., Li, T.-Y., Nusse, H.E., SLYRB measures: Natural invariant measures for chaotic systems, In: *Physica*, nr. D170, 2002, pp. 50-71

Jiang, G., What could also cause or aggravate the implicit 'smile' and 'asymmetry'?, In: *Applied Economics Letters*, nr. 9, 2002, pp. 75-80

Jiang, G., Knight, J.L., Estimation of continuous-time processes via empirical characteristic function, In: *Journal of Business and Economic Statistics*, 20, nr. 2, 2002, pp. 198-212

Lensink, B.W., Sterken, E., Monetary transmission and bank competition in the EMU, In: Journal of Banking and Finance, 1-1-2002, pp. 2065-2075

Lensink, B.W., Is the uncertainty-investment link non linear?, Empirical evidence for developed economies, In: Weltwirtschaftliches Archiv, nr. 138, 2002, pp. 131-147

Lensink, B.W., Sterken, E., The option to wait and equilibrium credit rationing, In: Journal of Money, Credit, and Banking, 34, nr. 1, 2002, pp. 221-226

Lorenz, H.W., Nusse, H.E., Chaotic attractors, chaotic saddles, and fractal basin boundaries: Goodwin's nonlinear model reconsidered, In: Chaos, Solitons, Fractals, nr. 13, 2002, pp. 957-965

Maier, P., Sturm, J.-E., Haan, J. de, Political pressure on the Bundesbank: An empirical investigation using the Havrilesky approach, In: Journal of Macroeconomics, 24, nr. 1, 2002, pp. 103-123

Plantinga, A., Groot, S. de, Risk-adjusted performance measures and implied risk attitudes, In: Journal of Performance Measurement, 6, nr. 2, 2002, pp. 9-20

Plantinga, A., Scholtens, L.J.R., Socially responsible investing and management style of mutual funds in the Euronext stock markets, In: Revue Bancaire et Financière, 66, nr. 4, 2002, pp. 248-254

Scholtens, L.J.R., Bond yield spreads and country risk: A lasting relationship?, In: Kredit und Kapital, 53, nr. 2, 2002, pp. 193-215

Sturm, J.-E., Haan, J. de, Inflation in developing countries: does Central Bank independence matter? New evidence, In: Ifo Studien, nr. 4, 2002, pp. 389-403

Theme F

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Böckenholt, U., Thresholds and intransitivities in pairwise judgements: A multilevel analysis, In: Journal of Educational and Behavioral Statistics, nr. 26, 2002, pp. 269-282

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Haan, M.A., Kooreman, P., Free riding and the provision of candy bars, In: Journal of Public Economics, 83, nr. 1, 2002, pp. 227-291

Heerde, H.J. van, Leeflang, P.S.H., Wittink, D.R., How promotions work: SCAN*PRO-based evolutionary model building, In: Schmalenback Business Review, nr. 54, 2002, pp. 198-220

Hofstede, F. ter, Steenkamp, J.B.E.M., Wedel, M., Identifying spatial segments in international markets, In: Marketing Science, 21, nr. 2, 2002, pp. 160-177

Hofstede, F. ter, Kim, Y., Wedel, M., Bayesian prediction in hybrid conjoint analysis, In: Journal of Marketing Research, 34, nr. 2, 2002, pp. 253-261

- Horvath, C., Leeflang, P.S.H., Otter, P.W., Canonical correlation analysis and Wiener Granger causality tests: useful tools for the specification of VAR models, In: *Marketing Letters*, nr. 13, 2002, pp. 53-66
- Huizingh, K.R.E., Towards succesful E-business strategies: A hierarchy of three management models, In: *Journal of Marketing Management*, 18, nr. 7/8, 2002, pp. 721-747
- Jong, E. de, Nentjes, A., Wiersma, D., The public firm and strategic interaction: the case of waste water management, In: *Journal of Institutional and Theoretical Economics*, 158, nr. 2, 2002
- Koning, R.H., Meta-analysis in economics, In: *CPB Report: quarterly review of CPB Netherlands Bureau for Economic Policy Analysis*, nr. 2, 2002, pp. 319-320
- Koning, R.H., How competitive is the competition: Instruments and evidence from Belgian football, In: *Nieuw Tijdschrift van de Vrije Universiteit Brussel*, 15, nr. 2, 2002, pp. 71-81
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Theme G

Chapters in books:

Harzing, A.W., Sorge, A., Pauwe, J., Headquarters-subsidiary relationships in multinational companies: A British-German comparison, In: Geppert, M., Matten, D., Williams, K. (red.), *Challenges for European management in a global context. Experiences from Britain and Germany*, Macmillan Press, Basingstoke, 2002, pp. 96-118

Karsten, L., Veen, K. van, Consultancies and social scientists in the 1950s and 1960s: evidence from the Netherlands, In: Engwall, L., Kipping, M. (red.), *Consultancy in western Europe: 1945-1980*, Blackwell, Oxford, 2002, pp. 52-70

Maurice, M., Sorge, A., Warner, M., Societal differences in organizing manufacturing units. A comparison of France, West Germany and Great Britain, In: Whitley, R. (red.), *Competing capitalisms: Institutions and economies*, Edward Elgar Publishing Company, Cheltenham UK, Northampton, MA, USA, 2002, pp. 401-428

Sorge, A., Strategic fit and the societal effect. Interpreting cross-national comparisons of technology, organization and human resources, In: Whitley, R. (red.), *Competing capitalisms: Institutions and economies*, Edward Elgar Publishing Company, Cheltenham UK, Northampton, MA, USA, 2002, pp. 354-383

Veen, K. van, Snijders, T A B, Folmer, H, Environmental policy and firms' decision-making about location choice, In: Marsiliani, L., Rauscher, M., Withagen, C. (red.), *Environmental Economics and the International Economy*, Kluwer Academic Publishers, Dordrecht, Boston, London, 2002, pp. 185-201

Witteloostuijn, A. van, Interorganizational economics, In: Baum, J.A.C (red.), *Companion to organizations*, Blackwell, Oxford, 2002, pp. 686-712

Publications in journals:

Boone, C., Brabander, B. De, Carree, M., Jong, G. de, Olffen, W. van, Witteloostuijn, A. van, Locus of control and learning to cooperate in a prisoner's dilemma game, In: *Personality and Individual Differences*, 32, 2002, pp. 929-946

Boone, C., Carroll, G.R., Witteloostuijn, A. van, Resource distributions and market partitioning: Dutch daily newspapers, 1968 to 1994, In: *American Sociological Review*, 67, 2002, pp. 408-431

Harzing, A.W., Sorge, A., The relative impact of country-of-origin and universal contingencies on internationalization strategies and corporate control in multinational enterprises: World-wide and European perspectives, In: *Organization Studies*, 24, nr. 2, 2002, pp. 187-214

Karsten, L., Management styles in the global market, In: *Gadjah Mada International Journal of Business*, nr. 4, 2002

Kubo, I., Saka, A., An inquiry into the motivations of knowledge workers in the Japanese financial industry, In: *Journal of Knowledge Management*, 6, nr. 3, 2002, pp. 262-271

Saka, A., Multiple paths to adoption: The role of actors in the appropriation of Japanese work systems, In: *Asian Business & Management*, 1, nr. 3, 2002, pp. 353-372

Saka, A., Institutional limits to the internalisation of work systems: A comparative study of three Japanese MNCs in the UK, In: *European Journal of Industrial Relations*, 8, nr. 3, 2002, pp. 251-275

Appendix 2: PhD candidates

This appendix provides a list of all PhD candidates at the end of 2002 per theme and the title of their research project. More information can be found at the SOM website: som.rug.nl/

Theme A

Akkerman, R.: Structure of the production process and formalizability of scheduling decisions in the food processing industries.

Bokhorst, J.: Naar een efficiënte en effectieve inzet van operators en machines in een flexibele geautomatiseerde omgeving.

Boogers, A.: The role of consultants' power in organizational change.

Bosch-Sytsema, P.: Knowledge development in virtual organisations.

Budihardj Suriyas, A.: Planning and values research project: the values congruence and the planning process.

Cysouw, R.: Innovatie en kennis.

Drijver, S.: Dynamische ALM optimalisatie met behulp van stochastisch gemengd geheeltallige lineaire programmering.

Helmhout, M.: Organisations as multi-actor systems.

Henrich, P.: Design of workload control concepts for job shop production: new theories in practice.

Kleij, E ten: Topics in multivariate analysis.

Knip, M.: Functie differentiatie in de gezondheidszorg.

Kuipers, B.: Team development & team performance.

Meer, L. van der: Mutual interdependence among medical professionals: pain or gain.

Rheede, A. van: Collective learning in workflow-system supported, process-oriented teams.

Rispens, S.: The influence of organisational characteristics.

Sjarbaini, L.: Dynamics in the context dependency of knowledge: the conversion of knowledge in innovation.

Soman, C.: How to control capacity-oriented production under make-to-order and make-to-stock: the case of food processing industries.

Talens, E.: Statistical sampling in auditing and accounting.

Tempelman, C.: Statistical data editing and imputation of economic data.

Turkensteen, M.: Using data-correction techniques for analyzing and solving the production cell formation problem.

Turusbekova, N.: The effectiveness of interventions for consolidating TQM induced change: The role of agents' individual accountability

Welker, G.: Possibilities and impossibilities of formalising order processing.

Yue, H.: The design and development of human factors in team based worksystems: an operations research approach.

Zoethout, K.: Variety and the requisite of self-organisation.

Zomerdijk, L.: Customers, front office, and back office in service organisations: deviding labour and structuring interfaces in the information era.

Theme B

Ali Hamid, A.: The intercultural adaptation and adjustment of the expatriate's family member and the affect(s) on the expatriate's work performance.

Bakker, E.: Environment, strategy and purchasing; the determinants on the organisation of purchasing.

Broekhuizen, T.: An economic-psychological assessment of the decision making process of consumers in electronic markets in comparison to traditional markets.

Campbell, N.: Integration of internet technologies in supply chain management: a cross cultural case study approach.

Croonen, E.: The dynamics of franchising relationships.

Faber, N.R.: The creation of a management tool for measuring sustainability of innovation.

Mol, J.: Creating and appropriating value in the cultural industries: the economic resonance of the IT revolution in the arts.

Waalckens, J.: Innovation and networks.

Wahyuni Wibisono, S.: Managing international strategic alliances: a development of evolutionary approach.

Welling, D.: Gecoördineerd samenwerken in de bouw.

Wijbenga, F.: Strategy and performance of small and medium-sized Enterprises (SMEs).

Theme C

Inklaar, R.C.: The economic performance of Europe and the U.S. and the role of ICT.

Mulligen, P. van: The effect of product quality on international productivity comparisons.

Romp, W.E.: The impact and determinants of infrastructure investment in the Netherlands over the last 200 years.

Zeilstra, A.: Regional labour markets in a cross-country perspective.

Theme D

Steen, M. van der: An institutionalist study of management accounting change in the Netherlands.

Theme E

Dam, L.: Environmental issues in corporate social responsibility: Valuation, managerial implications and strategic investment decisions.

Elbourne, A.: Monetary policy in EMU: effects of (changes in) financial structure.

Herpen, M. van: Determinants of value creation of monitoring and feedback systems.

Lestano: The impact of the Asian financial crisis in 1997 on the Indonesian economy.

Molen, R. van der: Industrial group formation and corporate finance: the case of India.

Naaborg, I.J.: Foreign banks and economic transition in Central and Eastern Europe.

Nijse, E.: The micro-structure and dynamics of the Brent Crude oil market.

Oosterhof, C.: Corporate risk management in the Netherlands using financial derivatives.

Parijs, S.: Fairness opinions and liability.

Pham, T.: Long term business finance in Vietnam: debt contracting and leasing in a transition economy.

Salomons, R.: The equity premium.

Toolsema-Veldman, L.: Oligopoly models of the banking firm.

Wouters, T.: The investment styles of mutual funds.

Theme F

Aakouk, M.: Market orientation scan for small and medium-sized enterprises.

Adiguzel, F.: Split questionnaire survey designs and their analysis with the Gibbs sampler.

Broekhuizen, T.L.J.: An economic-psychological assessment of the decision making process of consumers in electronic markets in comparison to traditional markets.

Dijk, A. van: Models for micro marketing.

Ebbs, P.: Modelling non-classical dependencies in mixed generalised linear models.

Gonçalves Dias, J.: Statistical modeling of effects of demographic changes on consumer behaviour for purpose of direct marketing.

Heijnen, P.: Dematerialization, habit formation and social interactions in consumer behaviour.

Hoppen, E.: Prediction of consumer information search strategies and their effects on consumer behaviour in online markets.

Horváth, C.: A (game) theoretical and empirical analysis of dynamical competitive reaction strategies and consumer response functions; towards an integrated approach.

Soetevent, A.: Preferences: behavioural, welfare and policy implications.

Wijbenga, F.: Strategy and performance of small and medium-sized Enterprises (SMEs).

Woltman Elpers, J.: Measurement and analysis of attention for tv-commercials.

Theme G

Bezemer, J.: In search of the Dutch consulting explosion: describing and explaining the changing dynamics in the Dutch management consulting branch in the period 1960-2000

Dikova Grancharova, D.: The choice between an acquisition, a greenfield investment and a strategic alliance foreign entry made in Eastern Europe.

Kibriscikli, B.: Organisational isomorphism, embedded actors and globalisation: the case of banking in Turkey.

Zhang, J.: Environmental change, organisational adaptability and firm performance: a multi-variate, multi-level, multi-country and multi-period analysis of fit.

Appendix 3: Research Reports 2002

- 02C01 Kuper, G.H., and E. Sterken, Endurance in speed skating
- 02E02 Gangopadhyay, S., R. Lensink and R. van der Molen, Business groups, financing constraints, and investment: the case of India
- 02F03 Schoonbeek, L., Delegation in a group-contest
- 02E04 Hailemariam, S., H. von Eije and J. van der Werf, Is there a 'privatization trap'? The case of the manufacturing industries in Eritrea
- 02B05 Gabbay, S.M., and R.Th.A.J. Leenders, Social capital of organizations: from social structure to the management of corporate social capital
- 02A06 Vlerk, M.H. van der, On multiple simple recourse models
- 02D07 Broersma, L., and J. van Dijk, How do Dutch regional labour markets adjust to demand shocks?
- 02A08 Welker, G.A., and J. de Vries, Formalisation of the ordering process
- 02B09 Leenders, R.Th.A.J, The specification of weight structures in network auto-correlation models of social influence
- 02G10 Bachmann, R., Trust and power as means of co-ordinating the internal relations of the organization- a conceptual framework
- 02A11 Albareda-Sambola, M., M.H. van der Vlerk and E. Fernández, Exact solutions to a class of stochastic generalized assignment problems
- 02A12 Chowdary, B.V., and J. Slomp, Production planning under dynamic product environment: a multi-objective goal programming approach
- 02B13 Kok, R.A.W., B. Hillebrand and W.G. Biemans, Market-oriented product development as an organizational learning capability: findings from two cases
- 02C14 Romp, W.E. and J. Oosterhaven, Indirect economic effects of a rail link along the Afsluitdijk
- 02A15 Wijngaard, J., The effect of foreknowledge of demand in case of a restricted capacity: The single-case, single-product case with lost sales
- 02A16 Wijngaard, J., The effect of foreknowledge of demand in case of a restricted capacity: The single-stage case with backlogging
- 02F17 Horváth, C., M. Kornelis and P.S.H. Leeftang, What marketing scholars should know about time series analysis
- 02F18 Haan, M., R.H. Koning and A. van Witteloostuijn, Market forces in European soccer
- 02A19 Jansen, E.P., The use of performance information case studies in local services departments
- 02F20 Haan, M., B.Los, Y. Riyanto and M. van Geest, The weakest link A field experiment in rational decision making
- 02A21 Vlerk, M.H. van der, Convex approximations for complete integer recourse models
- 02E22 Plantinga, A., B. Scholtens and N. Brunia, Exposure to socially responsible investing of mutual funds in the Euronext stock markets
- 02E23 Toolsma, L.A., Asymmetric price adjustments with the most-favored-customer clause
- 02 A24 Bax, E.H., The strategic labor allocation process: A model of strategic HRM
- 02A25 Boon, B.H and G. Sierksma, Team formation as a logistical phenomenon
- 02A26 Wielers, R and P. van der Meer, Lower educated workers and part-time work. The Netherlands 1973-1991

- 02E27 Tillema, S., Changes in accounting instruments within growing and ageing organisations. Are improvements always likely, feasible and desirable?
- 02G28 Veen, K., Four views on management fashions: ... or the added value of old wine in new bottles
- 02G29 Braam, G., S. Heusinkveld, J. Benders and A. Aubel, The reception pattern of the balanced scorecard: Accounting for interpretative viability
- 02A30 Glebbeek, A.C. and E.H. Bax, Labour turnover and its effects on performance: An empirical test using firm data
- 02D31 Pellenbarg, P.H., L.J.G. van Wissen and J. van Dijk, Firm relocation: state of the art and research prospects
- 02B32 Gabbay, S.M. and R.Th. A.J. Leenders, A perceptual view of the Coleman model of Trust
- 02A33 Klein Haneveld, W.K. and M.H. van der Vlerk, Integrated chance constraints: reduced forms and an algorithm
- 02D34 Gu, X and P. Rao Sahib, As good as married: a model of long-term cohabitation, learning and marriage
- 02E 35 Nieuwenhuis, J.W., A pedagogical note about the derivation of the Black-Scholes partial differential equation
- 02D36 Hoogstra, G and J. van Dijk, Spatial variations in firm employment growth
- 02G37 Wezel, F.C. and A. Lomi, Different trajectories of industrial evolution: demographical turnover in the European motorcycle industry, 1885-1993
- 02G38 Wezel, F.C., Why do organizational populations die? Evidence from the Belgian motorcycle industry, 1900-1993
- 02G39 Gattani, G, J.M. Pennings and F.C. Wezel, Organizational turnover as endogenous precursor of industry dynamics and organizational dissolution
- 02E40 Jong, E. de and R. Semenov, Cross-country differences in stock market development: a cultural view
- 02G41 Wezel, F.C., The organization enacts the environment and the environment feeds back: mortality rates in the UK motorcycle industry, 1895-1993
- 02A42 Riezebos, J., Time bucket size and lot-splitting approach
- 02C43 Kuper, G.H., Measuring oil price volatility
- 02A44 Drijver, S.J., W.K. Haneveld and M.H. van der Vlerk, ALM model for pension funds: numerical results for a prototype model
- 02E45 Salomons, R and H. Grootveld, The equity risk premium: emerging versus developed markets
- 02E46 Bogt, H.J. ter, Performance evaluation of professional managers by local politicians survey research in Dutch municipalities
- 02A47 Balsters, H., Derived classes as a basis for views in UML/OCL data models
- 02G48 Emans, B.J.M., Choosing between parameters for team-building: impact and changeability considerations
- 02A49 Soman, C.A., D.P. van Donk and G. Gaalman, Combined make-to-order and make-to-stock in a food production system
- 02G50 Péli, G., Am I specific enough? Party program scope in multidimensional political spaces
- 02C51 Heijdra, B.J., A. van der Horst and L. Meijdam, Public investment and intergenerational distribution under alternative modes and financing
- 02G52 Vos, J.F.J., Corporate social responsibility and the identification of stakeholders
- 02E53 Benninga, S. and C. Oosterhof, Hedging with forwards and puts in complete and incomplete markets
- 02A54 Zee, D.J. van der and J.G.A.J. van der Vorst, A modeling framework for supply chain simulation
- 02E55 Kamminga, P. and J. van der Meer-Kooistra, Control patterns in joint venture relationships

- 02C56 Jacobs, J. and K.F. Wallis, Comparing SVARs and SEMs: more shocking stories
- 02A57 Steerneman, T., F. ten Kleij and A. Wong, Properties of the Matrix A-XY
- 02F58 Koning, R.H. and T. Vermaat, A probabilistic analysis of the Dutch Lotto
- 02F59 Koning, R., P. Spring and T. Wansbeek, Joint modeling of primary and secondary action in database marketing
- 02D60 Meer, P.H. van der, Overschooling and unemployment
- 02A61 Donk, D.P. van, Exploring the knowledge inventory in project based organisations
- 02B62 Mol, J.M. and N.M. Wijnberg, Value chain envy: explaining new entry and vertical integration in popular music
- 02A63 Akkerman, R. and M. Knip, Reallocation of beds to reduce waiting time for cardiac surgery
- 02A64 Pennink, B.J.W., Evaluer des études de gestion des entreprises: Combiner des éléments principales avec des éléments pratiques
- 02F65 Sobotka, T. and F. Adigüzel, Religiosity and spatial demographic differences in the Netherlands
- 02E66 Wouters, T. and S. Parijs, Investors' actions in case of losses
- 02A67 Slomp, J. and N.C. Suresh, The shift team formation problem in multi-shift manufacturing operations
- 02A68 Zee, D.J. van der, Look-ahead strategies for controlling batch operations in industry. Basic insights in rule construction
- 02B69 Broekhuizen, T.L.J. and E.P.M. Croonen, "Relational therapy" for retail franchisers and franchisees: staging into the experience economy
- 02E70 Bo, H., R. Lensink and E. Sterken, Uncertainty and financing constraints: evidence for the Netherlands
- 02G71 Péli, G., Organisational niche boundaries in the n-space
- 02A72 Henrich, P., M. Land and G. Gaalman, Exploring applicability of the workload control concept
- 02F73 Horváth, C., P.S.H. Leeflang, J.E. Wieringa and D.R. Wittink, Dynamic analysis of a marketing system based on aggregated and pooled stored data
- 02E74 Wever, J.O., P.P.M. Smid and R.H. Koning, Pricing of convertible bonds with hard call features
- 02C75 Brakman, S., H. Garretsen and C. van Marrewijk, Locational competition and agglomeration: the role of government spending

Appendix 4: SOM seminars 2002 (list of external speakers)

January

Tim Ambler (London Business School). What is it, why is it important and how should it be measured?

Enar Ruiz Condé (University of Alacante). The diffusion of franchising as an innovation of managerial organization.

February

Ola Grytten (Norwegian School of Economics and Business Administration). Real wages and convergence in the 19th century labour market.

Steven Ongena (University of Nijmegen). Firm-bank relationships.

Jos van Ommeren (Vrije Universiteit van Amsterdam). Commuting, spatial search and labour market bargaining: An equilibrium model.

Bert Steenge (Universiteit Twente). Is the coase theorem a theorem?

Mudrajad Kuncoro (Gadjah Mada University). Do trade liberalization measures bring any impacts to geographic concentration of economic activities in Indonesia?

March

Martin van Hees (Faculty of Philosophy, University of Groningen). Intentions, utility and rationality.

Joyce Jacobsen (Wesleyan University, Connecticut). Tomorrow's second sex? Men's issues in development.

Daan van Soest (Tilburg University). A shadow price approach to measuring the costs of increased environmental stringency

Prasada Rao (University of New South Wales at Armidale). Measuring global and regional poverty using purchasing power parities

April

Arie Kapteyn (RAND Corporation). Subjective measures of risk aversion and portfolio choice.

George Neumann (University of Iowa). On the job search and the wage distribution place.

Bill Harley (University of Melbourne). Individualism within collectivism? Individualisation and differentiation in Australian workplace agreements.

Bas ter Weel (MERIT, Maastricht) and *Lex Borghans* (ROA, Maastricht). The diffusion of computers and the distribution of wages.

Robin Cowan (MERIT, Maastricht). The dynamics of collective invention.

Steven Ongena (University of Tilburg). Distance lending relationships and competition.

May

Mike Raco (University of Reading). UK Devolution, the Scottish parliament and the Scottish business community.

Philip Hans Franses (University of Rotterdam). From first submission to citation: an empirical analysis.

Anna Peters (Public Health, Erasmus University). Modelling chronic diseases among adult populating.

Jan Kakes (De Nederlandsche Bank). Housing market dynamics, taxation and borrowing constraints.

Werner de Bondt (University of Wisconsin, Madison). Style momentum within the S&P-500 index.

Sougata Poddar (National University of Singapore). Economics of software privacy and its global input.

June

Luc Boneaux (Public Health, Erasmus University). Ageing and health place.

C.G. Hussain Khan (Karnatak University, Dharwad). Maternal and child health in India.

Christoph Clases (Swiss Federal Institute of Technology (ETHZ), Zurich). Methodological issues in cooperative model creation. The repertory grid technique as a means to analyse subjectivity in organizational change processes.

September

Koos Wagenveld (Erasmus University Rotterdam). The adoption and implementation of the balanced scorecard in a large Dutch bank.

Ray Loveridge. Institutional economics and cross-national business systems

G.A. Süer (University of Puerto Rico-Mayaguez). Cell loading and manpower allocation decisions in labor-intensive manufacturing cells.

Michael Lahr (Rutgers University). Spatial misspecification in regional input-output Analysis: Empirical Results and Practical Implications

Robert Hill (University of New South Wales). Measuring price differences across countries and time in the European Union.

October

Angus Maddison (Emeritus professor, University of Groningen). Why is Africa poor? A comparative and historical perspective.

Jan van Doremalen en *Fred Janssen* (Technical university of Eindhoven). Travail, transparency and trust: a case study of computer-supported collaborative supply chain planning in high-tech electronics.

Martin Paldam (Aarhus University, Denmark). The big bend. Economic freedom and growth.

David Morton (University of Texas). Monte Carlo-based methods in stochastic programming.

November

Marco van Gelderen (Free University of Amsterdam). Some advances in the prediction of entrepreneurial intentions.

Siv Gustafsson (University of Amsterdam). Education and postponement of maternity.

Marco Perona (University of Brescia and Milan). Supply chain complexity management. Which levers can achieve which results? Some suggestions by and empirical research.

Frank Sortino (San Francisco State University). Downside risk: Difficulty of getting good estimates and application of those estimates in an asset allocation model.

Robert McGuckin (The Conference Board). A more timely and useful index of leading indicators.

Carsten Stig Poulsen (Aalborg University, Denmark). Brandscape, the brand research tool for the future.

Orietta Marsili (Eindhoven University of Technology). Is innovation 'democratic'? Skewed distributions and the returns to innovation in Dutch manufacturing.

M.S. Subhas (Karnatak University Dharwad). Market research in India (case studies).

Diptesh Ghosh (Indian Institute of Management). Logistical considerations for building the LOFAR Telescope.

December

Bauke Visser (Erasmus University Rotterdam). Pride in politics: A problem?

Eric Bartelsman (Free University Amsterdam). Unleashing animal spirits: Investment in ICT and economic growth.

Ralph de Haas and *I. Van Lelyveld* (DNB). Foreign banks and Eastern Europe.

Bas Donkers and *Peter Verhoef* (Erasmus University Rotterdam). Predicting lifetime value in multi-service industries.