

Annual report 2001  
DRUID (Danish Research Unit for Industrial Dynamics)

**DRUID Secretariat - Aalborg**  
Aalborg University  
Department of Business Studies  
Fibigerstræde 4  
9220 Aalborg Ø  
Denmark

**DRUID Secretariat - Copenhagen**  
Copenhagen Business School  
Department Industrial Economics and  
Strategy  
Howitzvej 60  
2000 Frederiksberg  
Denmark

[druid@druid.dk](mailto:druid@druid.dk)  
<http://www.druid.dk>

## Introduction

The report covers activities for the period January 1 2001 – December 31 2001. The main emphasis is on presenting outcomes in terms of publications, Ph.D.-activities and communication and interaction with users. In six separate appendices some specific activities are documented:

Appendix 1: The DRUID Working Paper Series

Appendix 2: Home page statistics for DRUID and download of Working Papers

Appendix 3: Citations to the work by senior DRUID scholars

Appendix 4: Research seminars

Appendix 5: The DRUID-Conference programs 1999-2000

July 1 2001 the research manager since 1995, Bengt-Åke Lundvall, passed on this function to Peter Maskell.

### Coverage of the report – defining DRUID-participant

The core of the report presents an overview of activities and outputs covering *DRUID-participants*. They are divided into two groups: DRUID-staff and DRUID Ph.D.-students. In order to define who belongs to each of these groups we have used the following criteria:

Those who are included as 'staff' fulfil all the three criteria:

1. They have contributed to the realisation of the DRUID research programme with books, articles or working papers.
2. They have participated in at least one of the DRUID-conferences.
3. They have confirmed that they still regard themselves as 'druid-participants'.

Those who are included as Ph.D.-students fulfil all the following three criteria:

1. They have/have had a tutor among those registered as DRUID-staff.
2. They have worked on issues that fall within the DRUID research programme.
3. They have participated in at least one of the DRUID-conferences.

Some participants in DRUID have moved from the category 'Ph.D.-students' to becoming 'staff'. They will appear in the staff category but they will also appear in the schematic presentation of Ph.D.-students in the section on Ph.D.-training.

Visiting scholars belonging to the DRUID-network and publishing some of their work in the DRUID Working Paper series have *not* been included among the DRUID participants. Their contributions to the programme will be reflected exclusively through the list of working papers in appendix 1.

With these definitions there are 21 persons registered as staff, whose activities are reflected in the report, and 18 Ph.D.students are now (August 2001) connected to the research programme. Over the whole period 1995-2001 no less than 35 PhD-students have been active in DRUID. Of these 16 have successfully defended their theses so far (see the table starting on page 17).

## **Copenhagen Business School**

### *Staff:*

Jens Frøslev Christensen, Professor, Department of Industrial Economics and Strategy

Nicolai Juul Foss, Professor, Department of Industrial Economics and Strategy

Kirsten Foss, Assistant professor, Department of Industrial Economics and Strategy

Christian Knudsen, Department of Industrial Economics and Strategy

Mark Lorentzen, Assistant professor, Department of Industrial Economics and Strategy<sup>2</sup>

Keld Laursen, Associate professor, Department of Industrial Economics and Strategy<sup>3</sup>

Volker Mahnke, Assistant professor, Department of Industrial Economics and Strategy<sup>4</sup>

Peter Maskell, Professor, Department of Industrial Economics and Strategy

Henrik Sornn-Friese, Department of Industrial Economics and Strategy

Finn Valentin, Associate professor, Department of Industrial Economics and Strategy

Per Vejrup-Hansen, Associate professor, Department of Industrial Economics and Strategy

### *Ph.D.-students:*

Tine Aage, Department of Industrial Economics and Strategy

Henrich Dahlgren, Department of Industrial Economics and Strategy

Tina Brandt Husman, Department of Industrial Economics and Strategy

Lars Bo Jeppesen, Department of Industrial Economics and Strategy

Jukka Kaisla, Department of Industrial Economics and Strategy

Juliana Hsuan Mikkola, Department of Industrial Economics and Strategy

Måns Molin, Department of Industrial Economics and Strategy

Morten Brandt Pedersen, Department of Industrial Economics and Strategy

Mikkel Thomassen, Department of Industrial Economics and Strategy

Jan Birger Vagn-Lauridsen, Department of Industrial Economics and Strategy

## **Aalborg University**

### *Staff:*

Esben Sloth Andersen, Associate professor, Department of Business Studies

Jesper L. Christensen, Associate professor, Department of Business Studies

Bent Dalum, Associate professor, Department of Business Studies

Birgitte Gregersen, Associate professor, Department of Business Studies

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<sup>2</sup> Finished his Ph. D. in connection with the CBS-DRUID-programme in April 1999. Assistant professor at CBS since 1999.

<sup>3</sup> Finished his Ph.D. in connection with the AAU-DRUID programme in November 1998. Assistant professor at CBS since October 1998.

<sup>4</sup> Finished his Ph. D. in connection with the CBS-DRUID-programme in October 1999. Assistant professor at CBS since 1999.

Björn Johnson, Associate professor, Department of Business Studies  
Reinhard Lund, Professor emeritus, Department of Business Studies  
Bengt-Åke Lundvall, Professor, Department of Business Studies  
Gert Villumsen, Research librarian, Aalborg University Library and Department of Business Studies

*Ph.D.-students:*

Ana Lisette Amaya-Lopez, Department of Business Studies  
Pun-Arj Chairatana, Department of Business Studies  
Michael Dahl, Department of Business Studies  
Mario Lopez, Department of Business Studies  
Anker Lund Vinding, Department of Business Studies  
Christian Ø.R. Pedersen, Department of Business Studies  
Toke Reichstein, Department of Business Studies  
Ann-Kirstine Storgaard, Department of Business Studies  
June Tolsby, Department of Business Studies  
Leiner Vargas, Department of Business Studies

**The Aarhus School of Business**

*Staff:*

Poul Houman Andersen, Assistant professor, Department of international trade and business  
Mette Præst, Assistant professor, Department and international trade and business<sup>5</sup>

**Southern Denmark Business School**

*Staff:*

Poul Rind Christensen, Professor, Department of Organisation and Entrepreneurship, Centre for Small Firm Research.

**DRUID-Secretariat**

Jeanette Hvarregaard, Department of Business Studies, AAU (from 2002)  
Jill Archer, Department of Industrial Economics and Strategy, CBS (from 2002)

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<sup>5</sup> Ph.D.-student at AAU until 1998, currently at University of Southern Denmark – Odense University

## Section I: Publications

### Introduction

In what follows the written output from DRUID is presented under the following headings:

- a. Articles in refereed journals
- b. Articles in refereed books
- c. Refereed books

An attempt has been made to make sure that the same article or book only appears once as a refereed contribution. This also means that all contributions with several authors have been listed under one author only.

In table 1 the number of refereed contributions have been given for 1997, 1998, 1999 and 2001. Only publications by scholars now active in DRUID have been included

**Table 1: Number of refereed publications from DRUID-participants 1997-2001**

	1997	1998	1999	2000	2001
a. Art. Ref. J.	12	15	29	14	20
c. Art. Ref. B.	17	14	26	22	24
e. Ref. B.	1	4	0	4	7

Table 1 shows a satisfactory productivity in terms of refereed publications. 1999 was an extreme year with three publications per senior staff and it is expected that 2001 will again be characterised by a high productivity. It is interesting to note that quite a number of refereed contributions have been authored or co-authored by Ph.D.-students.

### Articles in refereed journals 2001:

Andersen, E.S. (2001), "Satiation in an Evolutionary Model of Structural Economic Dynamics", *Journal of Evolutionary Economics*, Vol. 11:1, pp. 143-164. Also published in Witt, U. (Ed.) (2001), *Escaping Satiation: The Demand Side of Economic Growth*, Springer: Berlin, pp. 165-186.

Christensen, P. R. & Andersen, P. H. (2001), "Bridges over troubled water: Subcontractors as connective nodes in global and national supply nets", *International Business Review* (in review).

Davis, Lee N. (2001), "R&D investments, information and strategy", *Technology Analysis and Strategic Management*, Vol. 13, No. 3, (2001), pp. 325-342.

Foss, Kirsten (2001), "Organizing Technological Interdependencies. A Coordination Perspective on the Firm", *Industrial and corporate change*, Vol. 10, No. 1, pp. 151-178.

Foss, Nicolai Juul (2001), "Anmeldelse af Mark Casson: Enterprise and Leadership. Cheltenham, Edgar, 2000", *Journal of International Business Studies*, marts 2001.

Foss, Nicolai Juul (2001), "Bounded Rationality in the Economics of Organization. Present Use and (Some) Future Possibilities", *Journal of Management and Governance*, Vol. 5, No. 3/4, (2001), pp. 401-425.

Foss, Nicolai Juul (2001), "Leadership, Beliefs and Coordination. An Explorative Discussion", *Industrial and Corporate Change*, Vol. 10, No. 2, pp. 357-388.

Foss, Nicolai Juul (2001), "Misesian ownership and coasian authority in hayekian settings. the case of the knowledge economy", *The Quarterly Journal of Austrian Economics*, Vol. 4, No. 4, (2001), pp. 3-24.

Foss, Nicolai Juul (2001), "Simon's Grand Theme and the Economics of Organization", *Journal of Management and Governance*, Vol. 5, No. 3/4, (2001), pp. 216-223.

Foss, Nicolai Juul, et al. (2001), "Bidrag om styrelsesforhold fra forskere på Handelshøjskolen", *Peter Lotz (red.): Rapport fra Arbejdsgruppe om styrelsesforhold*.

Foss, Nicolai Juul & Frøslev Christensen, Jens (2001), "A Market-Process Approach to Corporate Coherence", *Managerial and Decision Economics*, No. 22, (2001), pp. 213-226.

Frøslev Christensen, Jens (2001), "Den ny Økonomi og Internetbølgen. Kampen mellem dot-com'erne og de "gamle" virksomheder", *Økonomistyring & informatik*, årg. 17, nr. 1, pp. 31-49.

Frøslev Christensen, Jens (2001), "Introduction. Industrial dynamics and knowledge institutions", *Industry and Innovation*, Vol. 8, No. 3, (2001), pp. 241-244.

Laursen, Keld & Mahnke, Volker (2001), "Knowledge strategies, firm types, and complementarity in human-resource practices", *Journal of Management and Governance* No. 5, (2001), pp. 1-27.

Lorenzen, Mark (2001), "Localized Learning and Policy. Academic advice on Enhancing Regional Competitiveness through Learning", *European Planning Studies*, Vol. 9, No. 2, (2001), pp. 163-185.

Mahnke, Volker (2001), "Process of Vertical Dis-Integration. An Evolutionary Perspective on Outsourcing", *Journal of Management and Governance*, Vol. 5, No. 3/4, (2001), pp. 353-379.

Maskell, Peter (2001), "Knowledge Creation and Diffusion in Geographic Clusters", *International Journal of Innovation Management*. Vol. 5, No. 2, (2001), pp. 213-237.

Maskell, Peter (2001), "The firm in economic geography", *Economic Geography*, Vol. 77, nr. 2, (2001), pp. 329-344.

Maskell, Peter (2001), "Towards a Knowledge-based Theory of the Geographical Cluster", *Industrial and Corporate Change*, No.4, Vol. 10, pp. 921-943.

Mikkola, Juliana Hsuan (2001), "Portfolio management of R&D projects, implications for knowledge and competence management", *Technovation* No. 21, (2001), pp. 423-435.

### **Articles in refereed books**

#### **2001:**

Andersen, E.S. (2001), Satiation in an Evolutionary Model of Structural Economic Dynamics, *Journal of Evolutionary Economics*, Vol. 11:1, pp. 143-164. Also published in Witt, U. (Ed.) (2001), *Escaping Satiation: The Demand Side of Economic Growth*, Springer: Berlin, pp. 165-186.

Christensen, Jesper L. (2001): "Changes in Danish Innovation Policy - responses to the challenges of a dynamic business environment", published in Biegelbauer & Borrás (eds.) "*Innovation Policy in Europe*", Cambridge University Press.

Christensen, Jesper L., Rama, Ruth & Tunzelmann, N.G. von (2001): "L'innovation dans l'industrie européenne des produits alimentaires", to be published in Dysseler (ed.), *TecDoc Lavoissier*.

Christensen, J. L., Schibany, A. & Vinding, A. L. (2001) "Collaboration Between Manufacturing Firms and Knowledge Institutions on Product Development - Evidence from Harmonised Surveys in Australia, Austria, Denmark, Norway and Spain", in "*Innovative Networks*", OECD, Paris.

Christensen, Jesper L., Schibany, Andreas, Vinding & Anker Lund (2001): "Collaboration on product development between manufacturing firms and knowledge institutions – evidence from harmonised surveys in Austria, Denmark, Australia, Norway and Spain", published in OECD book: "*Innovative Networks – cooperation in national innovation systems*", Paris.

Dahl, Michael S. & Dalum, Bent (2001), "The Construction Cluster in Denmark" i OECD, "*Innovative Clusters: Drivers of National Innovation Systems*", Paris: OECD.

Dahl, Michael S. & Dalum, Bent (2001), "The ICT Cluster in Denmark" i OECD, "*Innovative Clusters: Drivers of National Innovation Systems*", Paris: OECD.

Davis, Lee (2001), "Profiting from Innovations in Digital Information Goods. The Role of Intellectual Property Rights", Dundar F. Kocaoglu and Timothy R. Anderson (eds.): *Technology Management in the Knowledge Era*. PICMET, (2001), pp. 471-480.

Foss, Nicolai Juul (2001), "Evolutionary theories of the firm.reconstruction and relations to contractual theories", Kurt Dopfer (ed.): *Evolutionary economics*, Kluwer Academic Publishers, (2001), pp. 319-355.

Foss, Nicolai Juul (2001), "Stratégie, négociation et organisation économique.réflexion sur les coûts de transaction qui fondent la stratégie de l'entreprise", Patrick Joffre (ed.): *La théorie des coûts de transaction: Regard et analyse du management stratégique* (2001), pp. 7-26.

Foss, Nicolai Juul (2001), "The Boundary School, strategy as a boundary decision" Henk W. Volberda and Tom Elfring (eds.): *Rethinking strategy*, Sage Publications, London, (2001), pp. 97-115.

Knudsen,Christian, et al. (2001), "The Conduct of Strategy Research", Andrew Pettigrew et al. (eds.): *Handbook of strategy and management*, Sage Publications, London, (2001), pp. 413-437.

Kristensen P.S. & Vinding, A. L. (2001) "Personal, Physical and Electronic Media used in Product Development Collaboration", in "*Innovative Networks*", OECD, Paris.

Lorenzen, Mark (2001), "Clusters, localized learning and policy Conversations between North American and European Scholars", Peter Maskell (ed.): *Innovation and learning for competitiveness and regional growth - a policy challenge*, Nordregio report, 2001:4, pp. 73-109.

Lorenzen, Mark (2001), "Localised learning and policy. Academic advice on enhancing regional competitiveness through learning", Peter Maskell (ed.): *Innovation and learning for competitiveness and regional growth - a policy challenge*, Nordregio report, 2001:4, pp. 37-72.

Lotz, Peter (2001), "The old economy listening to the new, E-commerce in hearing instruments" The BRIE-IGCC Economy Project (ed.): *Tracking a transformation*, The Brookings Institution, Washington, D.C., (2001), pp. 229-239.

Lundvall, B.-Å., "Innovation policy in the globalizing learning economy", in Archibugi, D. and Lundvall, B.-Å. (eds.), *Europe in the Globalising Learning Economy*, Oxford University Press, 2001. ISBN 0-19-924109-0

Lundvall, B.-Å., "Learning-by-comparing: Reflections on the use and abuse of international benchmarking", in Sweeney, G. (ed.), *Innovation, Economic Progress and the Quality of Life*, Cheltenham: Edward Elgar Publishing Ltd., 2001. ISBN 1-84064-603-9.

Lundvall, B.-Å., "Universitetet i den lærende økonomi", i Maskell, P. og Jensen, H.S. (eds.) *Universiteter for fremtiden - universiteterne og videnssamfundet*, Samfundslitteratur, Frederiksberg C., 2001. ISBN 87-90470-18-4.

Lundvall, B.-Å. (2001) "What constitutes the knowledge base in the so-called knowledge-based economy", in CEFI, *Indicateurs prospectifs de science et*

*technologie*, Rapport final dans le cadre du contrat No ERB RIST – CT –970013 entre le CEFI et la DG XII, Coomission Europeenne.

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Maskell, Peter (2001), "Hvor går universitetskandidaterne hen, og hvad får de for det", Peter Maskell og Hans Siggaard Jensen (red.): *Universiteter for fremtiden*, Samfundslitteratur, (2001), pp. 207-211.

Maskell, Peter, et al. (2001), "Närings- och regionalpolitik för lärande, innovation och konkurrenskraft. Inledande sammanfattning", Peter Maskell (ed.): *Innovation and learning for competitiveness and regional growth - a policy challenge*, Nordregio report, 2001:4, pp. 7-36.

Maskell, Peter (2001), "Knowledge Creation and Diffusion in Geographic Clusters - Regional Development Implications", Daniel Felsenstein (ed.): *Public Investment and Regional Economic Development*, Elgar Publishing, (2001), pp. 59-74.

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#### **Refereed books 2001:**

Lundvall, B.-Å. And Archibugi, D. (eds.), "*Europe in the Globalising Learning Economy*", Oxford University Press, 2001. ISBN 0-19-924109-0

Christensen, P.R: and Munksgaard, K.B.(2001) "*Når mælk bliver til stål – Den rustfrie stålklynge i Trekantområdet*". Bogudgivelse i tryk ved Syddansk Universitet.

Frøslev Christensen, Jens, et al.(ed.) (2001), "*Technology strategy and market development, the management of technology master's program, MOT*", Forsk.pag., Handelshøjskolen i København.

Kaisla, Jukka (2001), "*Rules, choice, and economic organisations, an inquiry into procedural and consequential considerations of rules*", Handelshøjskolen i København.

Lorenzen, Mark, et al. (2001), "*Cities and Regions in the New Learning Economy*", Organization for Economic Co-operation and Development (OECD).

Maskell, Peter (ed.) (2001), "*Innovation and learning for competitiveness and regional growth, a policy challenge*", Nordregio.

Maskell, Peter and Hans Siggaard Jensen (red.) (2001), *Universiteter for fremtiden*, Samfundslitteratur, (2001)

Sornn-Friese, Henrik (2001), "*Learning in firms and markets, organizational adaptations and industry dynamics in the Road Haulage Industry in Denmark in the 1990s*", Handelshøjskolen i København.

#### **Papers, working papers and research reports 2001:**

Andersen, E.S. (2001), "*From random walks to Arthur's competing technology models: A hands-on approach*", Department of Business Studies, Aalborg University, 11 February 2001. 22 pp.

Andersen, E.S. (2001), "Toward a Multiactivity Generalisation of the Nelson-Winter Model", *Paper presented at the DRUID's Nelson and Winter Conference*, Aalborg, 12-15 June 2001. 41 pp

Christensen, Jesper L. & Christensen, Claus E. (2001): "Impacts of venture capital in Denmark", *paper for IAMOT conference*, Lausanne, Svitzerland, March.

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Christensen, Poul Rind and Damgaard, T. (2001), "How to catch the bird's flight. Methodological issues in evolutionary studies of collaborative patterns in supply systems", *Conference Paper presented at the 4<sup>th</sup> LOK-theme workshop on competence and internationalisation in an interorganisational perspective*. København.

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Dahl, Michael S. (2001), "*The Essence of Geographic Clustering*", Institut for Erhvervsstudier, Aalborg Universitet.

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- Dahl, Michael S., Dalum, Bent, Christian Ø. R. Pedersen & Gert Villumsen (2001), ”*Knowledge Flows in the Danish ICT Sector: The Paradox of Advanced Demand and Rather Mediocre Supply*”, Institut for Erhvervsstudier, Aalborg Universitet.
- Dahl, Michael S. & Reichstein, Toke (2001), "Patterns and Dependencies of Firm Growth", *DRUID Working Paper Series*, WP#01-14, ISBN(87-7873-113-5).
- Dalum, B. et. Al (2001), “*The Danish Economy - An International Perspective*”. Copenhagen: DJOEF Publishing [ISBN 87-574-0369-4].
- Dalum B. et al. (2001), ”*Perspektiver - PPB-initiativet*”. (Perspectives - The PPB Initiative). København: Erhvervsfremmestyrelsen.
- Dalum, B. and Høgsted, M. (2001), *Erfaringer og resultater - PPB-initiativet* (Experience and Results - The PPB Initiative). København: Erhvervsfremmestyrelsen.
- Davis, Lee (2001), “Can the patent system continue to adapt to the modern global knowledge economy?”, *Paper to be presented to the Nielson and winter Conference*, Aalborg, Denmark, June 12-15, 2001, organized by DRUID, 26 p.
- Davis, Lee, et al. (2001), “Subsidiary research and development and the local environment”, *Competitive Paper to be published in the proceedings of the 27th European International Business Academy Conference*, Paris, 13-15 December (2001), 30 p.
- Drejer, Ina (2001), "Business Services as a Production Factor", *CEBR Working Paper* 2001-7.
- Drejer, Ina (2001), "Identifying Innovation in a 'Service Economy'", *CEBR Working Paper* 2001-9.
- Drejer, Ina (2001), "The Dynamic Creation of Knowledge: Analysing Public-Private Collaborations" (with Birte Holst Jørgensen), *CEBR Working Paper* 2001-6.
- Foss, Nicolai Juul (2001), “*Coase vs. Hayek*”, *economic organization in the knowledge economy*”, Copenhagen Business School, 38 p.
- Foss, Nicolai Juul (2001), “Economic Organization in the Knowledge Economy. Some Austrian Insights”, *Danish Research Unit for Industrial Dynamics*. DRUID, 31 p.
- Foss, Nicolai Juul (2001), “*From "Thin" to "Thick" Bounded Rationality in the Economics of Organization. An Explorative Discussion*”, Copenhagen Business School, 32 p.
- Foss, Nicolai Juul (2001), “*Influencing beliefs, a crucial capability for value creation in the network economy*”, Copenhagen Business School, 20 p.

Foss, Nicolai Juul (2001), "*Internal Disaggregation in Oticon. Interpreting and Learning from the Rise and Decline of the Spaghetti Organization*", Copenhagen Business School, 49 p.

Foss, Nicolai Juul (2001), "*Rets- og kontraktøkonomi, materialesamling*", Forsk. pag. Handelshøjskolen i København.

Foss, Nicolai Juul (2001), "*Økonomi og strategi, materialesamling*", Forsk. pag. Handelshøjskolen i København.

Foss, Kirsten & Foss, Nicolai Juul (2001), "*Assets, attributes, and ownership*", Handelshøjskolen i København, pp. 19-37.

Foss, Nicolai Juul & Lorenzen, Mark (2001), "*Cognitive Coordination and Economic Organization. Analogy and the Emergence of Focal Points*", Copenhagen Business School, 28 p.

Foss, Nicolai Juul, et al. (2001), "Building a MNC Knowledge Structure. The Roles of Knowledge Sources, Complementarities, and Organizational Context", *LINK Conference on Governing Knowledge-Processes*. Vol. 1, pp. 206-232.

Foss, Nicolai Juul, et al. (2001), "*The MNC as a knowledge structure, the roles of knowledge sources and organizational instruments for knowledge creation and transfer*", 30 p.

Gregersen, B. (2001) Sammen med Teknologirådets arbejdsgruppe om store offentlige IT-projekter, Afsluttende rapport: "*Erfaringer fra statslige IT-projekter – hvordan gør man det bedre?*", Teknologirådet, marts 2001. (The Danish Board of Technology Working Group on Large Scale Public IT Projects Final Report: "*Experiences from Public IT projects – how to do better?*", March 2001.

Gregersen, B. and Johnson, B. (2001), "Learning Economy, Innovation Systems and Development", *paper prepared for the ESST Converge project* ("Strategies and policies for systemic interactions and convergence in Europe – Converge").

Husman, Tina Brandt (2001), "*Efficiency in Inter-Organisational Learning. A Taxonomy of Knowledge Transfer Costs*", Copenhagen Business School, 32 p.

Jeppesen, Lars Bo (2001), "Making Consumer Knowledge Available and Useful. The Case of Computer Games", *Danish Research Unit for Industrial Dynamics*. DRUID, 27 p.

Johnson, Björn, et al. (2001), "Innovation Systems and Developing Countries: Experiences from the SUDESCA project", *DRUID Working Papers* 01-12.

Johnson, Björn & Gregersen, Birgitte (2001), "Learning Economy, Innovation Systems and Development", *Paper prepared for the ESST Converge project* ("Strategies and policies for systemic interactions and convergence in Europe – Converge")

Johnson, Björn & Gregersen, Birgitte (2001), "Towards a Policy Learning Perspective on the Danish Wind-Power Innovation System", *Paper presented at the third POSTI International Conference*, 1-3. December, 2001, University of East London, London.

Johnson, Björn & Lundvall, B.-Å. (2001), "Deepening and Broadening the national System of innovation", *Paper presented at the International Workshop on African Systems of Innovation and Competence Building in the era of globalization*, 29-31 march 2001, Hotel Scheelsminde, Aalborg.

Johnson, Björn & Lundvall, B.-Å. (2001), "Why all this fuss about codified and tacit knowledge", *Paper presented at the DRUID ACADEMY Winter Conference*, January 18-20 2001, Korsør.

Kaisla, Jukka (2001), "*Constitutional dynamics of the open source software development*", Copenhagen Business School. 18 p.

Kaisla, Jukka (2001), "*Extending the constitutional theory of the firm by introducing conventions*", Copenhagen Business School, 21 p.

Kaisla, Jukka (2001), "*Rationality and rule following on procedural and consequential interests of the rule-guided individual*", Copenhagen Business School, 16 p.

Laursen, Keld, Mahnke, Volker & Vejrup-Hansen, Per (2001), "*Firm growth from a knowledge structure perspective*", *LINK Conference on Governing Knowledge-Processes*. Vol. 2, pp. 334-359.

Lindegaard, Klaus, et al. (2001), "Frirum i produktkæderne" (Free Space in the Product Chains), In: *Samfundets udviklingsafdeling - bæredygtig udvikling gennem eksperimenter* (Society's Development Department - Sustainable Development through Experiments), J.H. Ingemann (Ed.), Center for Environment and Development, Aalborg University Publishers, 2001.

Lindegaard, Klaus (2001), "Grønne skattereformer" (Green Tax Reforms), *Foreningen Dansk Byøkologi*, februar 2001, årgang 4, nr. 1.

Lindegaard, Klaus (2001), "Innovation Systems and Cleaner Technology - Participation for Development", *Paper presentation at the SUDESCA International Research Seminar: Innovación, Tecnologías Limpias y Desarrollo Sostenible*, San Salvador, El Salvador, 2. May, 2001.

Lindegaard, Klaus (2001), "Trade Specialization and Environment", Research Presentation, *SUDESCA Workshop: CINPE, Universidad Nacional*, Costa Rica, 5.-9. November 2001.

Lorenzen, Mark (2001), "Kompetenceklyngeperspektivet og udfordringen for erhvervs- og uddannelsespolitikken", *Samfundøkonomen*, nr. 6, pp. 11-18.

Lorenzen, Mark & Foss, Nicolai J. (2001), "*Cognitive coordination, institutions, and clusters, an exploratory discussion*", 27 p.

Lorenzen, Mark & Foss, Nicolai J. (2001), "*Knowledge and coordination between firms, the role of institutions and regional innovation systems*", 23 p.

Lotz, Peter (2001), "*Rapport fra Arbejdsgruppe om styrelsesforhold. August (2001)*", København.

Reinhard Lund (2001), "Product innovation from a competence development perspective", *paper presented at the LOK conference, Hindsgavl 3-4 december, (2001)*.

Mahnke, Volker, et al. (2001), "*Brain drain and employee ownership. the case of PA-consulting*", Copenhagen Business School, 17 p.

Mahnke, Volker, et al. (2001), "*Knowledge management, en praktisk guideline*", Thomson.

Mahnke, Volker, et al. (2001), "LINK conference on governing knowledge-processes", *Vol. 1. LINK conference in Copenhagen 7-8 september (2001)*.

Mahnke, Volker, et al. (2001), "LINK conference on governing knowledge-processes", *Vol. 2. LINK conference in Copenhagen 7-8 september (2001)*, pp. 234-451.

Maskell, Peter (2001), "*Betænkning fra Erhvervs- og Bypolitisk Udvalg*", By & Boligministeriet, Handelshøjskolen i København. HHK.

Maskell, Peter, et al. (ed.) (2001), "*Universiteter for fremtiden. universiteterne og videnssamfundet*", Rektorkollegiet.

Mikkola, Juliana Hsuan (2001), "*Modularity and interface management. the case of Schindler Elevators*", Copenhagen Business School, 28 p.

Sornn-Friese, Henrik (2001), "Emergent Strategy in Interfirm Cooperative Relationships. Lessons from a Longitudinal Case Study", *Research conference december 3-4, 2001. Vol. 2*, pp. 356-375.

Tolsby J. (2001), "Moving Knowledge away from the essential Learning Process", *The 5<sup>th</sup> Conference of the European Sociological Association Divisions and Visions Challenges to European Sociology August 28 – September 1, 2001*.

Tolsby J. (2001), "Project Work a Good Compromise for Goal Oriented Work, but not for Learning", *Work, Employment and Society Conference 2001, Winning and Loosing in the new Economy*, 11-13 September University of Nottingham.

Valentin, Finn, et al. (2001), "Reaping the fruits of science, comparing exploitations of a scientific breakthrough in three innovation systems", *ECIS conference on the*

*Future of Innovation Studies, Eindhoven Technological University, September 20-23, (2001), 23 p.*

Valentin, Finn, et al. (2001), "Regional linkages between science and technology", *Presented at the Øforsk workshop "Science and regions", Mölle, June 19-20, (2001), 10 p.*

Vejrup-Hansen, Per (2001), "*Praktisk statistik*", Frederiksberg.

Vejrup-Hansen, Per (2001), "*Statistik med Excel*", Handelshøjskolen i København. HHK.

Villumsen, Gert, Dalum, B., Dahl, M. S. & Pedersen, C. Ø. R. (2001), "Knowledge Flows in the Danish ICT Sector: The Paradox of Advanced Demand and Rather Mediocre Supply", *Paper for the TSER project on Knowledge Flows in European Industries*, Dept. of Business Studies, Aalborg University.

Villumsen, Gert, Knudsen, Mette Præst & Dalum, Bent (2001), "Knowledge flows, absorptive capacity and geographical proximity in European industry", *Conference paper. Nelson and Winter Conference, Aalborg, June 2001.*

## **Section II: Ph.D-Activities**

DRUID was initially established without funds for PhDs. However, during the run of the DRUID programme an increasing number of PhD students have participated in the activities and greatly benefited from close interaction with senior scholars from the international network. The proposed new DRUID network, which was accepted by the Social Science Research Council (SSF) in December 2000, will have PhD training as an explicit task of high priority. The aim is to anchor the Ph.D. activities in a permanent institution called the DRUID ACADEMY, rather than in a temporary network. The DRUID Academy is a long-term co-operation agreement between the two major departments of DRUID – Department of Business Studies at Aalborg University and Department of Industrial Economics and Strategy at CBS in co-operation also with Southern Danish University (Kolding) and Aarhus School of Business.

The intention of the DRUID ACADEMY is to create synergy and critical mass for PhD students participating in the DRUID network. With a current stock around 20 students (Copenhagen + Aalborg) a necessary scale is within reach. A domestic course programme is in the pipeline and is one of the important aims of the proposed DRUID2. The annual DRUID Winter conference has been focused at international PhD participation especially from January 2000.

The DRUID ACADEMY is plugged into an international network, the European Doctoral School on Economic, Technological and Institutional Change EDS-ETIC, which can be dated back to 1993. Through two substantial 3 years EU grants (1996-98 and 1999-2001) from the EU Framework programme Training and Mobility of Researchers (Action 4), the IKE Group at Aalborg University has been part of the

core group<sup>6</sup> organising PhD courses/seminars at the European level in Maastricht and Strasbourg. These activities (the ETIC PhD courses) have been scheduled as four weeks annually. Two of these weeks have been co-ordinated by DRUID members since their beginning (Esben Sloth Andersen and Bent Dalum, Aalborg University).

From 2001 these institutions have extended their network and ambition towards creating EDS-ETIC as a European doctoral school. SPRU, University of Sussex; LEM, University of Pisa and University Carlos III, Madrid have joined the core group, and the DRUID Academy is representing the Danish participation (not just IKE, Aalborg). EDS-ETIC has recently been recognised as a Marie Curie Training site (for PhD students). 288 months/fellow grants will be allocated as 4-6 months stays abroad at the member institutions in 2001-2004. The first round of applications is due to be announced in Autumn 2001. EDS-ETIC is closely connected to the Summer School programme in industrial economics, ESSID, organised as one week annually at Corsica. EDS-ETIC is also connected to the CCC consortium of major US PhD programmes in the field of the economics of technical change, headed by prof. R. Nelson, Columbia and D. Moverly at Stanford. Intensified co-operation between the European and US networks, involving the DRUID ACADEMY as a central node, is in the pipeline.

In the period covered by this report, seven Ph.D.-students who participated in the DRUID-network have finalised their Ph.D.-studies by successfully defending their theses. At present there are close to 20 Ph.D.-students connected to the network. Of these, another five are expected to finish their theses in 2001.

An important element in the DRUID Ph.D. training is the active participation of students in the annual DRUID Winter Conference where Ph.D.-students are expected to present work in progress and in the annual DRUID Summer Conference where they also are expected to present papers and act as discussants on papers by international scholars (See Appendix 2). The Ph.D.-students related to DRUID have been active in all these respects.

In 1998 a special scheme to stimulate new Ph.D.s to communicate results from their dissertation in the form of articles to journals has been established in collaboration with the departments and faculty in Copenhagen and Aalborg. When the dissertation has been delivered, and clearance given by the supervisor, Ph.D.-candidates can apply for a 3-month grant to write papers for refereed journals.

### **Ph.D-students connected to DRUID 2001**

Name	Period	Dissertation theme
Agee, Tine	June 2000 – June 2003	Dynamic Capabilities in Industrial Districts – The Impact of Innovation Systems to absorptive Capacity of Firms

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<sup>6</sup> The overall co-ordinator is BETA, University of Strasbourg; the other fourth member is MERIT, Maastricht University.

Amaya-Lopez, Ana Lisette	June 2000 – October 2002	Knowledge Transfer and Learning Processes in SMEs in Nicaragua: Innovation, Cleaner, Technology and Agro-Industri
Boon, Arnold	June 1994 – Ph.D.-defence took place in May, 2001	Vertical Coordination and Innovation in the Agribusiness and Food Industry
Brandt-Pdersen, Morten	September 2001 -	Merging Research and Technological Problem-Solving
Pun Arj Chairatana	Maj 1999 - Maj 2002	Institutional and system Architecture: Agro-Innovation System in Thailand
Dahl, Michael	November 1999 - November 2002	Regional Specialisation, Knowledge Spillovers and Economic Development
Dahlgren, Henrich	June 2000 - June 2003	Industrial Networks and Innovation: Inter-firm Relations, Industrial Dynamics, and Technological Change
Frederiksen, Lars	December 2001 -	Knowledge-interaction in projects” (preliminary)
Hsuan, Juliana	Ph.D.-guest November 1998 – September 1999	Modularization in New Product Development: a Market Access Strategy
Husmann, Tina Brandt	September 2001 -	New Organisational Forms and Learning
Jeppesen, Lars Bo	June 2000 – June 2003	The Organization of Consumer Aided Innovation
Kaisla, Jukka	March 1998 – March 2001 Ph.D. defence took place in August 2001	Rules, Choice, and Economic Organizations: An inquiry into Procedural and Consequential Considerations of Rules
Kristensen, Frank Skov	May 1996 – April 1999 Ph.D. defence took place in May 2001	The Dynamics of Knowledge: A Sectorial Perspective
López, Mario	January 1998 - May 2000	Innovation System and the Agro-Forestry Industry. The case of the timber-furniture branch in Nicaragua
Mikkola, Juliana Husuan	February 2000	Modularization in New Product Development: An Assessment of Product Architectures
Molin, Måns	October 2000 – October 2003	What Knowledge Management
Pedersen, Ø. R., Christian	2001 – 2004	The development perspectives for the ICT sector in North Jutland
Reichstein, Toke	December 1999 – December 2002	Firm Growth and the Size Distribution of Industries
Storegaard, Anne-Kirstine	2001 - 2004	Innovation, kompetenceopbygning og virksomhedsudvikling
Tolsby, June	August 1999 – August 2002	The Economics of Industrial, Technological and Institutional Change
Thomassen, Mikkel Andreas	2000 –	The organisation of project coordination – the case of the building process
Vang-Lauridsen, Jan Birger	June 2000 – June 2003	Spatial Temporal specificity and Firm Boundaries: Lessons from the News Industry
Alfaro, Leiner Vargas	January 1998 - March 2001	Competitiveness and Innovation: Space for clean energy within electricity reforms
Vinding, Anker Lund	October 98 - October 2001	Inter-organisational Interaction in the Process of Product Innovation collaboration at the interfirm level

### Ph.D.-defenses 2001 Aalborg

Kristensen, Frank Skov (May 2001), “The Dynamics of Knowledge: A Sectorial Perspective.

Vargas, Leiner Alfaro (November 2001), "Competitiveness, Innovation and Democracy - Space for Clean Energy Within Electricity Reforms”.

## **Ph.D.-defenses 2001 Copenhagen**

Sornn-Friese, Henrik (October 2001), "*Learning in firms and markets, organizational adaptations and industry dynamics in the Road Haulage Industry in Denmark in the 1990s*",

## **Activities 2001**

### **Ph.D.-courses**

*Tine Aage*

OBL 3 – Qualitative Research Approaches in Business Administration Principles, Part 2, 18. januar 01, HHK.

*Morten Brandt-Pedersen*

"Research Design Seminar I", 7. –8. November 01, HHK

"Introductory Business Statistics", efteråret 01, HHK.

*Tina Brandt Husman*

Organisations and Environments: Adaptation in a dynamic Environment, 14.-20. maj 01, SDU Odense

European Summer school on industrial dynamics, 2.-9. september 01, IMRI, Corse

Economics of Technology and Institutional Change, 8.-20. oktober 01, BETA, Strasbourg

Research Design Seminar I, 7.– 8. November 01, HHK

Introductory business statistics, efteråret 01, HHK.

*Måns Molin*

Knowledge and the Firm, EUDOKMA, 19. –23. februar 01, Rotterdam School of Management, Rotterdam, Holland

EDAMBA Doctoral Summer School, 21. –26. juli 01, Chateau de Bonas, Frankrig.

*Mikkel Andreas Thomassen*

CCC Colloquium, 27. –28. april 01, The Fuqua School of Business

OBL 5, Statistikgruppen, 1. – 4. januar 01, HHK

Data Mining, 2 dage i august 01, SAS Institute, København

Network Analysis, 19. - 23. november 01, Syddansk Universitet, Kolding.

*Keld Laursen*

Two lectures in the ETIC Doctoral Training Programme, 12. – 13. oktober 01, Korsika.

*Henrik Sornn-Friese*

Social Network Analysis, 19.-23. november 01, Kolding.

## **Ph.D.-vejledningsaktiviteter**

### *Jens Frøslev Christensen*

Vejleder for Karoline Bromose, CVL

Vejleder for Juliana Hsuan Mikkola, Institut for industriøkonomi og virksomhedsstrategi

Vejleder for Henrik L. Bang, Institut for industriøkonomi og virksomhedsstrategi

Bi-vejleder for Jens Gammelgaard, INT

Bi-vejleder for Lise Granerud, IKL

Bi-vejleder for Morten Overgaard Nielsen, RUC/ Institut for industriøkonomi og virksomhedsstrategi.

### *Lee Davis*

Vejleder for Patricia Plackett, Institut for industriøkonomi og virksomhedsstrategi (fra 15. december 2001).

### *Nicolai Juul Foss*

Vejleder for Måns Molin, Institut for industriøkonomi og virksomhedsstrategi

Bi-vejleder for Hans Christian Garmann Johnsen, BI/ Institut for industriøkonomi og virksomhedsstrategi

Bi-vejleder for Dana Minbaeva, INT

Vejleder for Lasse Lien, Norges Handelshøyskole, Norge.

### *Henrik Lando*

Vejleder for Caspar Rose, FI.

### *Peter Lotz*

Vejleder for Anders M. Schmidt, Institut for industriøkonomi og virksomhedsstrategi.

### *Peter Maskell*

Vejleder for Mikkel Thomassen, Institut for industriøkonomi og virksomhedsstrategi

Vejleder for Tine Aage, Institut for industriøkonomi og virksomhedsstrategi

Vejleder for Jan Vang Lauridsen, Institut for industriøkonomi og virksomhedsstrategi

Vejleder for Lars Bo Jeppesen, Institut for industriøkonomi og virksomhedsstrategi

Vejleder for Lars Frederiksen, Institut for industriøkonomi og virksomhedsstrategi

Vejleder for Henrich Dahlgren, Institut for industriøkonomi og virksomhedsstrategi

Vejleder for Tina Brandt Husman, Institut for industriøkonomi og virksomhedsstrategi.

### *Finn Valentin*

Vejleder for Morten Brandt-Pedersen, Institut for industriøkonomi og virksomhedsstrategi

Formidlings til erhvervslivet og samfundet, herunder bestyrelseserhverv i børsnoterede selskaber, medlemskaber i råd og nævn.

### *Jens Frøslev Christensen*

Medlem af DRUIDs forretningsudvalg

Leder af forskningsprogrammet CISTEMA.

*Henrich Dahlgren*

Fordrag for Svensk Plastindustriforening, SPIF (The Association of the Swedish Plastics Industry), 10. maj, Helsingborg, Sverige.

*Nicolai Juul Foss*

Nicolai Foss var medlem af bestyrelsen i Basisbank A/S (indtil august).

*Mark Lorenzen*

Foredrag, NORDREGIO's URSA-kursus, "Regional Development Strategies", 17. oktober 01, København

Foredrag, Ringkøbing Amts møde for Regional Erhvervsfremmeaktører, "Kompetenceklynger og partnerskaber som regional strategi", 28. november 01, Ringkøbing

Foredrag, Lolland-Falster's Erhvervsråd, "Intet kompetenceløft uden erhvervslivet", 3. december 01, Holeby

Foredrag og konsulentvirksomhed, Landsorganisationen i Danmark

*Peter Lotz*

Oplæg till høringen „Uafhængige universitetet?“ i Landstingssalen, 10. oktober 01

Medlem af bestyrelsen for Juristerne og Økonomernes Pensionskasse.

*Peter Maskell*

Medlem af bestyrelsen for Københavns Havn A/S

Medlem af bestyrelsen for CMP A/S

Medlem af bestyrelsen for Handelshøjskolens Forlag A/S

Medlem af bestyrelsen for CBS-Press

Medlem af Byggeriets Udviklingsråd

Medlem af Det offentlige forskningsudvalg for Byer og Byggeri

Formand for Regeringens Erhvervs- og Bypolitiske udvalg (afsluttet arbejdet 01 marts 2001)

Medlem af Danmarks Statistiks Forskningsudvalg.

Medlem af Københavns Erhvervsråd.

Medlem af repræsentantskabet for Dansk Byplanlaboratorium.

Medlem af The Advisory board for Copenhagen Capacity

Medlem af 'The International Advisory Board for Centre for European Studies of Territorial Development, Durham, UK.

Medlem af Erhvervsfremme Styrelsens ekspertgruppe for ressourceområdeanalyser

Medlem af Erhvervsministeriets Service-expertgruppe.

*Finn Valentin*

Scientific Advisory Board, Programmet for Technology Scenarios, Forskningscenter Risø

ForskningsFaglig Følgegruppe for Teknologisk Fremsyn, Erhvervsfremmestyrelsen.

*Per Vejrup-Hansen*

Foretaget undersøgelse for Civiløkonomernes A-kasse & Jobcenter: Beskrivelse af mønstre i arbejdsløshedsforsikring blandt markeds- og civiløkonomer (April 2001).

## Konferencedeltagelse og gæsteforelæsninger

### *Tine Aage*

Præsenterede paper "The co-existence of different Organisational Forms. Firms as interpretative Systems", DRUID Winter Conference 18.-20. januar 01, Korsør

Præsenterede paper "External Relations in Industrial Districts". Department of Economics "Marco Fanno". 26. April 01, University of Padova, Italien

Præsenterede paper "Approaching absorptive Capacity", Department of Economics "Marco Fanno", 17.-18. maj 01, University of Padova, Italien

Electronic paper: "External Relations in Industrial Districts", Druid Summer Conference, 12.-15. juni 01, Aalborg

Præsenterede paper "Absorptive Capacity of Firms located in Industrial Districts", Department of Economics "Marco Fanno", 28. September 01, University of Padova, Italien.

### *Morten Brandt-Pedersen*

ECIS, "The Future of Innovation Studies", 20.-23. September 01, Eindhoven, Holland.

### *Jens Frøslev Christensen*

Gæsteforelæsning på MMT-programmet, DTU, Lyngby 19. januar 01

Gæsteforelæsning på MMT-programmet, DTU, Lyngby 20. januar 01

Oplæg ved Institut for industriøkonomi og virksomhedsstrategi forskningsdag 21. februar 01

Arrangør af symposium om internetbranchen, DTU, Lyngby 2. marts 01

IAMOT konference 19.-22. marts 01 med inviteret præsentation, Lausanne

Arrangør af symposium om Den ny Økonomi, DTU, Lyngby 27. april 01

DRUIDs Nelson and Winter conference, 12.-15. juni 01, Aalborg

Workshop om Science and Regions, Öforsk, 19.-20. juni 01 Mölle, Sverige

Oplæg ved seminar i TDC om erhvervsforskningsprojektet "Synergier mellem ny og gammel økonomi", 15. august 01

Undervisning på PhD-kursus for RISØ-forskere "Forskning og teknologiledelse", 9. oktober 01

Oplæg ved Danmark Forskningsråds møde, 30. oktober 01, Viborg

Gæsteforelæser på MMT-uddannelsen, 2. november 01, AUC, Aalborg.

### *Henrich Dahlgren*

Præsenterede paper "Transformation of Network Structures: A Conceptual Framework", Druid Winter Conference, 18.-20. januar 01, Korsør

LOK-workshop, 8.-9. marts 01, Middelfart

LOK-workshop, 25.-26. oktober 01, København.

### *Lee N. Davis*

Erhvervsministeriet: "Virksomhedslederen og eneretten – den ny udfordring", 19. januar 01, København

Gæsteforelæsning om "Maximizing the value of intellectual property," MMT (Master of Management of Technology), 23. Februar 01, Danmarks Tekniske Universitet

Gæsteforelæsning om "Strategies of appropriability", MMT (Master of Management of Technology), 24. Februar 01, Danmarks Tekniske Universitet.

*Drejer, Ina*

The DRUID 2001 Nelson and Winter Conference", Aalborg, Denmark, June 2001.  
The ECIS Conference on The Future of Innovation Studies", Eindhoven, Holland, September 2001.

*Kirsten Foss*

Deltagelse i konferencen "Austrian Perspectives on the New Economy", 25.-27. maj 01, Pisa, Italien.

*Nicolai Juul Foss*

Gæsteforelæsning om "A Property Rights Perspective on Competitive Strategy", 2. maj 01 på NHH, Bergen  
Gæsteforelæsning om "Coase versus Hayek: Economic Organization in the Knowledge Economy", 3. maj 01 på NHH, Bergen,  
Keynote speech for workshoppen, "Institutions and Cognitive Models", arrangeret af Network Institutional Theory, 18.-19. maj 01, Rungsted  
Keynote speech for konferencen, "Austrian Perspectives on the New Economy", 24.-26. maj 01, Pisa, Italien  
Keynote speech, "Economic Organization in the Knowledge Economy," for The German Association of University Professors in Management, 8. juni 01, Freiburg  
Præsenterede papiret "The Problem with Bounded Rationality," DRUIDs Nelson and Winter- konference, 12.-15. juni 01, Aalborg  
Præsenterede papiret "Internal Disaggregation in Oticon" på EAEPE konferencen, 9.-11. november 01, Siena, Italien.

*Tina Brandt Husman*

DRUID Winter Conference: 18.-20. januar 01, Korsør  
LOK Workshop, 8.-9. marts 01, Middelfart  
Electronic paper til DRUID Nelson & Winter-konference 12.-15. juni 01, Aalborg  
LOK metodeworkshop, 25.-26. oktober 01.

*Lars Bo Jeppesen*

"The End-Consumer as a Source of Innovation", DRUIDs Winter Conference, 18.-20. januar 01, Korsør  
"Making Consumer Knowledge Available and Useful", DRUIDs Nelson and Winter Conference, 12.-15. juni 01, Aalborg.

*Keld Laursen*

"The DRUID Winter Conference on External Organisation of the Firm", 18.-20. Januar 01, Korsør  
"The R&D Management Conference", 7.-9. februar 01, Wellington, New Zealand  
"The DRUID Nelson and Winter Conference, 12.-15. juni 01, Aalborg  
"The LINK Conference on Governing Knowledge-Processes", 7.- 8. September 01, Vedbæk  
"The ECIS Conference on The Future of Innovation Studies", 20.-23. September 01, Eindhoven", Holland.

*Mark Lorenzen*

Workshop on "The Influence of Co-operations, Networks and Institutions on Regional Innovation Systems", 8.-10. februar 01, Max Planck Institute, Jena, paper (med Nicolai Foss), Cognitive coordination, institutions, and regional innovation systems.

LOK workshop, "Koordinatation og kompetenceopbygning i et interorganisatorisk perspektiv", 8.-9. marts 01, Middelfart

Præsenterede paper (med Mikkel Thomassen) "Coordination vs. learning? Activities, information flows, and coordination mechanisms in the Danish construction and furniture industries" DRUIDs Nelson and Winter-konference 12.-15. juni 2001, Aalborg.

Præsenterede paper (med Mikkel Thomassen), "The dynamic costs of coordination and specialization: Production activities and learning processes in the Danish construction and furniture industries", 29. juni 01, IVS-seminar, HHK.

*Volker Mahnke*

DRUIDs Winter Conference on "External Organisation of the Firm", 18.-20. januar 01, Korsør, Denmark

The R&D Management Conference, 7.-9. februar 01, Wellington, New Zealand

The LINK Conference on "Governing Knowledge-Processes", 7.- 8. September 01, Vedbæk,

INFORMS conference, 3.-4. November 01, Miami, USA.

*Peter Maskell*

"Structures and Distribution of Social Capital", 29.-30. marts 01, University of Warwick

"Universiteter for Fremtiden", Rektorkollegiets strategikonference 22. februar 01, København

Dansk Metal Bestyrelseskonference 3. maj 01, København

"Innovation and learning for competitiveness and regional growth - a policy challenge", 20. juni 01, Stockholm

"Innovation System research", 10.-11. maj 01, Toronto, Canada

"Proximity & Growth", 13.-14. December 01, Paris

AAG, 20.-28. marts 01, New York

DRUIDs Nelson & Winter Conference, 12.-15. juni, Aalborg

Universitetet i Porto, 24. april 01, Portugal

IGU Residential Conference, 9.-13. juli 01, Torino, Italien

Dublin Business School, 06. oktober 01, Irland

Oslo Universitet TIC, 7. November 01, Oslo.

*Juliana Hsuan Mikkola*

Paper presented "Modularity assessment of product architectures" at INFORMS 2001 Conference, 6. November 01, Miami Beach, USA.

Paper presented "Modularity and interface management of product architectures," in the proceedings of Proceedings of PICMET '01, 29 juli -2. august 01, Portland, Oregon, USA.

Paper presented "Modularity assessment of product architecture: Implications for substitutability and interface management," in the proceedings of DRUIDs Nelson and Winter Conference, 12.-15. juni 01, Aalborg,

Paper presented "Modularity and interface management," (with O. Gassmann) in the proceedings of IAMOT 2001 Conference, 19.-22. marts 01, Lausanne

Paper presented "Modularity and interface management: The case of Schindler Elevators," in the proceedings of DRUIDs Winter Conference, 17-20. januar 01, Korsør

*Måns Molin*

DRUID-Winter Conference, 18. – 20. januar 01, Korsør, Denmark  
8<sup>th</sup> Workshop on Managerial and Organizational Cognition, EIASM  
30.-31. maj 01, ESCP-EAP Paris  
INFORMS, 4. –7. November 01, Miami Beach, USA  
A research Seminar on Workplace Learning and Intervention, with Cris Argyris and Yrjö Engeström, 16. November 01, Copenhagen Business School.

*Henrik Sornn-Friese*

Discussant på DRUIDs Winter Conference. 18.-20. januar 01, Korsør.  
Præsenterede paper "Evolving Cooperative Strategies in Cross-Border Business: A Process Study of a Danish Logistics Firm," på LOK tema 4 workshop: Virksomheders organization og kompetenceopbygning i et interorganisatorisk perspektiv. 8.-9. marts 01, Middelfart.  
"Udviklingen i vognmandsbranchens konkurrenceforhold," gæsteforelæsning i Forum for Logistik og E-handel. 7. maj 01, Teknologisk Institut, Tåstrup.  
Discussant på DRUIDs Nelson and Winter Conference. 12.-15. juni 01, Aalborg.  
"Why Choose Qualitative Research? – and Some Other Themes and Questions," introduktion til LOK workshop: Qualitative Methods for Studying the Creation and Management of Knowledge in International Strategic Alliances. 25.-26. oktober 01, Institut for industriøkonomi og virksomhedsstrategi, København.  
"Deconstructing Methodology. Introduction to Working Session," præsenteret på LOK workshop: Qualitative Methods for Studying the Creation and Management of Knowledge in International Strategic Alliances. 25.-26. oktober 01, Institut for industriøkonomi og virksomhedsstrategi, København.  
Præsenterede paper "Emergent Strategy in Interfirm Cooperative Relationships: Lessons from a Longitudinal Case Study," på INFORMS Annual Meeting. 4.-7. November 01, Miami Beach.  
Præsenterede paper "Emergent Strategy in Interfirm Cooperative Relationships: Lessons from a Longitudinal Case Study," på LOK Forskningskonference. 3.-4. december 01, Middelfart.

*Mikkel Andreas Thomassen*

R&D Management conference 7.-9. February 01, New Zealand  
DRUID winter conference 18.-20. januar 01, Korsør  
DRUIDs Nelson Winter Conference, 12-15. juni 01, Aalborg.

*Finn Valentin*

LINK Conference on Governing Knowledge-Processes, København 7-8 September 2001  
The ECIS conference on The Future of Innovation Studies. Eindhoven Technological University, 20.-23. september 2001  
Øforsk workshop "Science and regions", 19.-10. juni 01, Mölle. Sverige  
DRUIDs Nelson and Winter Conference, 12.-15. juni 01.

*Jan Birger Vang-Lauridsen*

Austrian Economics, Pisa, No paper (Nikolai deltog i samme)

Præsenterede paper "Boundaries of the Firm and Intellectual Production - a critique of Transaction Costs Economics" DRUIDs Winter conference, 18.-20. Januar 01, Korsør

E-conferencepaper "Boundaries of the Firm in Intellectual Production", DRUIDs

Nelson & Winter, 12.-15.juni 01, Aalborg

Etic - final conference, "Boundaries of the Firm in Knowledge Production", oktober 2001, Frankrig.

*Per Vejrup-Hansen*

Conference on Employer and Employee Data, 1.-2. marts 01

Århus (CLS og SFI)

LOK forskningskonference, 3.-4. december 01, Middelfart.

### **Gæsteforskerophold**

*Tine Aage*

Ophold ved Department of Economics "Marco Fanno", University of Padova, Italy, marts – juni 01.

*Lars Bo Jeppesen*

Ophold på Laboratory of Economics and Management, Sant'Anna School of Advanced Studies, Pisa, Italy, 18. april – 28. December 01.

*Keld Laursen*

SPRU, University of Sussex, 27. September - 2. December 01.

*Jan Birger Vang-Lauridsen*

Sant'Anna school of advanced studies, Lem, Pisa, Italien, 15. September 01 – 15. april 02.

### **Værtsskab for konferencer**

*Henrik Sornn-Friese*

LOK workshop: Qualitative Methods for Studying the Creation and Management of Knowledge in International Strategic Alliances. 25.-26. oktober 01, Institut for industriøkonomi og virksomhedsstrategi, København.

*Finn Valentin*

Ø-forsk workshop "Science and regions", Mølle June 19-20. 2001

### **Ledelse af konferencer**

*Nicolai Foss*

Medarrangør af DRUIDs Nelson & Winter conference, 12.-15. juni 01, Aalborg.

*Mark Lorenzen*

Leder af LOK workshop, "Qualitative Methods for Studying the Creation and Management of Knowledge in International Strategic Alliances". 25.-26. oktober, 2001.

*Volker Mahnke*

Organized "The LINK Conference on Governing Knowledge-Processes", 7.- 8. September 01, Vedbæk, Denmark with T. Pedersen.

*Peter Maskell*

DRUID Winter Conference 18.-20. januar 01, Kørsør.

*Henrik Sornn-Friese*

LOK workshop: Qualitative Methods for Studying the Creation and Management of Knowledge in International Strategic Alliances. 25.-26. oktober, Institut for industriøkonomi og virksomhedsstrategi, København.

### **Bedømmelses- og evalueringsarbejder**

*Lee N. Davis*

Formand for bedømmelsesudvalget vedr. ph.d stipendiater, Institut for industriøkonomi og virksomhedsstrategi, maj-juni 2001.

*Nicolai Juul Foss*

Formand for bedømmelsesudvalg ang. professorat i Law and Economics, Institut for industriøkonomi og virksomhedsstrategi  
Medlem af den af hollandske universiteter nedsatte kommission til evaluering af hollandsk erhvervsøkonomisk forskning.

*Henrik Lando*

Opponent ved Mikkel Thomassens Pre-defence, Institut for industriøkonomi og virksomhedsstrategi.

*Peter Maskell*

Formand for professorbedømmelsesudvalg ved HHK  
Medlem af lektorbedømmelsesudvalg ved AAU  
Medlem af professorbedømmelsesudvalg, Bar-Ilan University  
Medlem af Ph.D.bedømmelsesudvalg HHK  
Censor ved  
Norges handelshøjskole  
Københavns Universitet  
Danmarks Tekniske Universitet  
Århus Universitet  
Syddansk Universitet  
Aalborg Universitet  
Roskilde Universitet.

*Finn Valentin*

Bedømmelse af Ph.d afhandling ved Mads Odgaard, Roskilde Universitetscenter.

## **Reviewer ved tidsskrifter**

*Jens Frøslev Christensen*

Industry and Innovation

International Journal of Entrepreneurship and Innovation

Journal of Management and Governance

Scandinavian Journal of Management.

*Kirsten Foss*

Oxford Economic Papers.

*Nicolai Juul Foss*

Academy of Management Journal, Cambridge Journal of Economics, Managerial and Decision Economics, International Journal of the Economics of Business, Industrial and Corporate Change, Journal of Institutional and Theoretical Economics, Journal of Management and Governance, Scandinavian Journal of Management, Review of Austrian Economics, Quarterly Journal of Austrian Economics, Economie et Institutions.

*Keld Laursen*

Research Policy, Structural Change and Economic Dynamics, Industrial and Corporate Change.

*Mark Lorenzen*

Industry and Innovation.

*Volker Mahnke*

Scandinavian Management Journal

Academy of Management Best Papers Proceedings

Journal of Governance and Management.

*Peter Maskell*

Industrial and Corporate Change

Research Policy

Evolutionary Economics

European Urban and Regional Studies

Scandinavian Journal of Management

Industry and Innovation

Urban Geography

Review of International Political Economy

Economic Geography

Economics of Innovation and New Technology

Journal of Business Economics

Regional Studies

International Journal of Innovation Management

Progress in Human Geography

International Journal of the Economics of Business

Entrepreneurship & Regional Development

Review of International Political Economy

International Journal of Urban and Regional Research

Geografiska Annaler  
Environment and Planning A  
Papers in Regional Science  
International Journal of Innovation Management  
International Journal of Entrepreneurship and Innovation  
Nordisk Samfundsgeografisk Tidsskrift  
Cambridge Journal of Economics

*Henrik Sornn-Friese*  
Industry and Innovation.

*Finn Valentin*  
Scandinavian Journal of Management  
Industry And Innovation.

### **Redaktør af tidsskrifter**

*Jens Frøslev Christensen*  
The International Journal of Entrepreneurship and Innovation.  
Industry & Innovation.

*Nicolai Juul Foss*  
Gæsterektor af Special Issue om "Knowledge and Rationality in the Theory of the Firm," Journal of Management and Governance.

*Mark Lorenzen*  
Gæsterektor for International Studies in Management and Organization.

*Peter Maskell*  
Industry and Innovation (contributing editor).

*Henrik Sornn-Friese*  
Medredaktør på DRUID-sænummer af Research Policy.

### **Medlem af editorial board**

*Nicolai Juul Foss*  
Journal of Management and Governance.  
Strategic Organization.  
International Studies of Management and Organization.  
Quarterly Journal of Austrian Economics.  
Review of Austrian Economics.  
Nordiske Organisasjonsstudier.  
The Herald of St. Petersburg.

*Peter Maskell*  
European Urban and Regional Studies

## **Aktiviteter for DRUID Aalborg**

### *Esben Sloth Andersen*

DRUID Winter Conference, Hillerød, 6.1.-8.1. 2000. Paper (with M. Valente): "The two software cultures and the evolution of evolutionary economic simulation".  
Conference on Science as a Spontaneous Order, Klitgaarden, Skagen, 16.1.-18.1. Paper on "The open source software culture and the cumulative evolution of evolutionary economic modelling and simulation".  
IFIP 8.2. Conference on Organizational Perspectives on Information Technology, 9.6.-12.6. 2000, Aalborg. Introduction on Network Economics.  
DRUID Conference on "The Learning Economy: Firms, Regions and Nation Specific Institutions", Rebild, 15.6.-17.6.2000. Discussant and session leader.  
International Schumpeter Conference, Manchester, 28.6.-1.7.2000. Board meeting and discussant.  
Conference on Evolutionary Game Theory, University of Odense, 15.9.-17.9.2000.  
Conference on Simulation in the Social Sciences, Paris, 19.9.-20.9.2000. Discussant.  
DRUID's Winter Conference on "The External Organisation of the Firm", Korsør, 18.1.-20.1. 2001. Discussant and session leader.  
Chairman of the evaluation committee at Frank Skov Kristensen's PhD defence; Aalborg University, 31.5.2001.  
DRUID's Nelson and Winter Conference, 12.6.-15.6. 2001. Organiser, discussant, session leader and paper presenter.  
The Christopher Freeman Symposium, Lewes, 14.-9.-15.9. 2001. Discussant.  
Workshop on "Simulating Economic Evolution", University of Strasbourg, 18.10. 2001. Organiser and contributor.  
Conference on the Economics of Technological and Institutional Change, University of Strasbourg, 19.-20.10. 2001. Discussant and session leader.

### Studie- og forskningsophold i udlandet

Forskningsophold og seminarer på Equipe de Recherche sur les Marchés, l'Emploi et la Simulation (ERMES), Paris University II, 4.7-10.7 2000, 19.-27.10 2000, 22.10 - 1.11 2001. Tema: "Evolutionary modelling and simulation". Opholdene er finansieret af Paris University II.

### *Jesper Lindgaard Christensen*

4. Januar – Speech "Business Angels activity in Denmark", Danish Development Fund, Copenhagen.  
8. February - Conference on analysis and identification of industrial clusters, Ministry of Industri, Copenhagen.  
21. February – Speech "The Development of Innovation Policy in Denmark", DRUID-seminar, Aalborg University.  
27. February – Speech on "Business angel activity in Denmark", Conference organised by Danish Business Development Fund, Odense.  
7.-10.march - OECD workshop "Interfirm collaboration and Innovation", Vienna, Austria.  
18-22.march – Presentation of paper "The Impact of Venture Capital in Denmark", IAMOT conference, Lausanne, Switzerland.  
29. May – Seminar on "The Role of DKPTO in the Danish Innovation System", PVS. Taastrup, Cph.

11.- 15. June – DRUID Conference on Nelson & Winther/National Innovation Systems, Congress hall Europe, Aalborg.  
7. August – Speech on “The Danish production and innovation mode”, Ph.D. Summer School, Department of Production, Aalborg University.  
26. september – Conference on Innovation, Creativity and Learning, LOK. Århus Business School.  
27. September – Seminar for Dept. Of Business Studies, Hotel Scheelsminde, Aalborg.  
26.nov – Presentation of paper on ”The Role of IPR-institutions in the Danish Innovation System”, Seminar, Dkpto, Høje Taastrup.  
3.-4. December – Conference in LOK-research, Hindsgavl.  
10.dec. – Speech at seminar at Danish Business Development Fund “The Development of the Danish Venture Capital Market”, Cph.

Aktuelle institutteksterne funktioner:

Danish Business Angels Network – Advisory board  
Ministry of Research - Kontaktudvalg vdr. Forsknings- og innovationsstatistik  
Aalborg Municipality – Think-tank on future development of North Jutland  
DRUID – Forretningsudvalg  
Reference group on clusters in Denmark, Ministry of Industry  
OECD focus group on innovative networks  
editorial board of Nordjysk Konjunktur Barometer  
Technical advisory board on Jysk-Fynsk Erhvervsredegørelse  
Djøf-klub - bestyrelse

*Michael S. Dahl*

"Geographic Clustering and Innovative Activities of Firms: Patenting in Danish Firms and Regions" ved Third Congress on Proximity "New Growth and Territories" organiseret af University of Paris XI (ADIS), National Institute of Agronomical Researches (INRA SAD) og Forskningsgruppen "Dynamics of Proximity", Paris, Frankrig, 13.-14. december 2001.

"Geographic Clustering and Innovative Activities of Firms: Patenting in Danish Firms and Regions", ved "Future of Innovation Studies" konference afholdt ved Eindhoven Center of Innovation Studies, Technical University of Eindhoven, Holland, 20.-23. september 2001.

"Theories of Geographic Agglomeration and Clustering" ved George Washington University, Washington D.C., USA, 1. maj 2001.

"Introduction to my PhD. dissertation" præsenteret ved CCC's Eighth Annual Conference, 27.-29. april 2001.

"Overview of the Theories of Geographic Agglomeration and Clustering", præsenteret ved DRUID Winter Conference 2001, 18.-20. januar 2001.

Aktuelle institutteksterne funktioner:

Ph. D. repræsentant i samarbejdsudvalget.

*Birgitte Gregersen*

I3-seminar, Skagen, February 27-28, 2001.

International Symposium on “The Role of the Global Competence Building”, Aalborg University, Marts 1, 2001.

Meetings in the ESST (The European Inter-university Association on Society, Science and Technology) Administrative Board and Teaching Committee, Paris, March 15-17, 2001.

SUDESCA Conference and Workshop, San Salvador, May 2-5, 2001

POSTI (Policies for Sustainable Technological Innovation in the 21st Century) 4th international conference on "Europe's 21st Century Policies for Innovation, Sustainability and Social Acceptability: The Role of Higher Education in Society, Science and Technology", Oslo, May 20-21, 2001.

ESST 10th Anniversary Conference, Oslo, May 22, 2001.

DRUID's Nelson and Winter Conference in Aalborg, June 12-15, 2001.

Seminar on "Development and Research – New Opportunities and Treats", Aalborg University, August 27, 2001.

Meetings in the ESST (The European Inter-university Association on Society, Science and Technology) Teaching Committee, Roskilde, November 23-24, 2001.

Several meetings as member of the Danish Board of Technology Working Group on Large Public IT-projects.

Studie- og forskningsophold i udlandet:

SUDESCA (Sustainable Development Strategies for Central America) project, Universidad Nacional, CINPE, Costa Rica, May 1-11, 2000. Financed by Department of Business Studies and the SUDESCA project (Danida)

SUDESCA (Sustainable Development Strategies for Central America) project, Universidad de El Salvador, Escuela de Economía, Facultad de Ciencias Económica, El Salvador and, UNAN-Managua, Escuela de Economía, Nicaragua, May 1-12, 2001. Financed by and the SUDESCA project (Danida) and Department of Business Studies.

Aktuelle institutteksterne funktioner:

Member of Aalborg University Centre Management for DUCED-IUA (Danish University Consortium for Environment and Development - Industry and Urban Areas) until August 2001.

Member of the Administrative Board and the Teaching Committee for The European Inter-University Association on Society, Science and Technology (ESST), from September 1998. Also local Coordinator for ESST, Aalborg University since 1998.

Member of the study board on Economics, Aalborg University.

Chairman of the study board on economics, Aalborg University, February 2000-August 2001.

Member of The Danish Board of Technology Working Group on "Large Scale Public IT Projects" June 2000-April 2001.

*Björn Johnson*

DRUID's Nelson and Winter Conference, June 12-15, Aalborg Conference Center.

Fourth POSTI international Conference on 'Europe's 21. century policies for sustainable technological innovation: The role of higher education in science, technology and society', May 20-21, Oslo.

International conference on 'The Internationalization of Higher Education', May 22, Vitenskapsakademiet, Oslo.

International Workshop on 'Knowledge, Learning and Institutions' May 18-19, Sofienberg Slot, Rungsted.

ENRECA /SUDESCA annual meeting: International seminar and international workshop on 'Innovation, Clean Technologies and Sustainable Development'. Hotel Intercontinental, San Salvador, May 2 and Hotel Izalco, El Salvador, May 3-5. International Workshop on African Systems of Innovation and Competence Building in the era of globalization., 29-31 march 2001, Hotel Scheelsminde, Aalborg. The DRUID ACADEMY Winter Conference, January 18-20, 2001, Klarskovgaard, Korsør, Denmark.

Aktuelle institutteksterne funktioner:

Medlem af det landsdækkende censorskorp for civilingeniørstudierne inden for området matematik, fysik og samfundsfag. Medlem af censorskorpset for Forvaltningsuddannelserne ved Roskilde Universitetscenter samt Scient.adm. og Samfundsuddannelserne ved Aalborg Universitet.

*Klaus Lindegaard*

Studie- og forskningsophold i udlandet:

Forskningsophold i Mellemamerika finansieret af SUDESCA projektet.

Aktuelle institutteksterne funktioner:

Medlem af Det Økologiske Råd, formand for Center for Miljø og Udvikling, Aalborg Universitet.

*Reinhard Lund*

Deltagelse i LOK konference på

Hindsgavl 3-4. december 2001 med paper om Product innovation from a competence development perspective.

*Bengt-Åke Lundvall*

Deltagelse i DRUIDs vinterkonference, Januar 18-19

Deltagelse i møder og foredrag om benchmarking i Bruxelles og i Lisabon, Januar 25-26, Februar 27, Marts 15-16, Juni 22

Deltog i Ph.D. eksamination i Sheffield, Januar 29

Foredrag i Trondheim, Februar 12-13

Foredrag ved Rektorkollegiets Konference i København, Februar 22

Organiserede sammen med Mammo Muchie workshop om innovation i Afrika, Aalborg, Marts 29-30

Holdt foredrag ved Konference i Halmstad, Maj 10-11

Holdt foredrag i Viborg Amts regi, Maj 23 samt Oktober 21

Foredrag i Aalborg for Dansk Industri, Maj 30.

Organiserede international DRUID-konference i Aalborg, Juni 12-15.

Underviste europæiske Ph.D.-studerende på ESSID summer school, September 1-9

Foredrag for Dansk Ingeniørforening, November 16.

Foredrag ved IEA Paris, November 28-29.

Studie- og forskningsophold i udlandet:

Paris 1 måned i foråret 2001 til projektforberedelse af LOC NIS – bidrag fra institut til leveomkostninger.

Pisa 1 måned i efteråret underviste på Ph.D.-kurser – finansieret af værtsinstitutionen.

Aktuelle institutteksterne funktioner:

Censor ved Roskilde Universitet

Medlem i Teknologirådet

Medredaktør for tidsskrifterne Research Policy, Industrial and Corporate Change samt for det fransksprogede tidsskrift 'Cahiers d'Innovation'.

*Christian Ø. R. Pedersen*

12. - 13. November 2001: International Workshop on "Innovation Clusters and Interregional Competition". Arranged by the Kiel Institute of World Economics, Regional Economics Department and Institute for Regional Research at Kiel University. The workshop was held at the library of Kiel Institute of World Economics.

8. - 9. November 2001: "*Future Camp*". Arranged by The Lighthouse Secretariat (DDN).

11. - 12. September 2001: "*Digital North Denmark Project Seminar*". Arranged by The Lighthouse Secretariat (DDN). The seminar was a network seminar for project partners in the Digital North Denmark program. The seminar was held at Scanticon Comwell, Rebild, Denmark.

19. - 20. June 2001: Øforsk seminar '*Science and Regions*'. Arranged by Committee for research and development of the Øresund region (Øforsk). An Øresund Regional Research and Idea Seminar on Innovation. The seminar was held at Grand Hotel, Mølle, Sweden.

12. - 15. June 2001: The DRUID Nelson & Winter 2001 Conference. Arranged by DRUID. The Conference celebrated the 20th anniversary of the Nelson & Winter book '*An Evolutionary Theory of Economic Change*'. The seminar was held in Aalborg, Denmark.

25.- 26. May 2001: The 'Know for innovation' Workshop. Arranged by the Laboratory of Industrial & Energy Economics, National Technical University of Athens. For members of the TSER project "*Innovation-related knowledge Flows in European Industry: Extent, Mechanisms and Implications*" (Know for innovation). The workshop was held at Oasis Hotel, Glyfada, Greece.

*Toke Reichstein*

October-December 2001: Deltagelse og fremlægning ved diverse LEM Seminar Series.

November 2001: Deltagelse ved Silverberg kursus omhandlende Dynamiske Systemer.

18-20/01-2001: DRUID vinter konference, København.

12-15/06-2001: DRUID Nelson & Winter konference, Aalborg.

26/09-2001: LOK Tema 3 konference, Århus.

Studie- og forskningsophold i udlandet:

Udenlandsophold i Pisa, Italien 1/10-22/12

Konferencer:

18-20/01-2001: DRUID vinter konference, København

12-15/06-2001: DRUID Nelson & Winter konference, Aalborg

26/09-2001: LOK Tema 3 konference, Århus

19-20/10-2002: ETIC konference, Strassborg

*Ann-Kirstine B. Storgaard*

3.-4. december 2001 "LOK Research Conference". Hindsgavl, Middelfart. (paper present)

17.-19. januar 2002 "DRUID-Winter Conference" Rebild.

1.-3- oktober 2001. Ph.d.-seminar på Videnscenter for Læreprocesser, Aalborg Universitet. (paper present)

6. december 2001. Ph.d.-seminar på Videnscenter for Læreprocesser, Aalborg Universitet.

*June Tolsby*

The 5<sup>th</sup> Conference of the European Sociological Association Divisions and Visions Challenges to European Sociology August 28 – September 1, 2001, Tolsby, J.,

*Moving Knowledge away from the essential Learning Process.*

Work, Employment and Society Conference 2001, Winning and Loosing in the new Economy 11-13 September University of Nottingham, Tolsby, J., *Project Work a Good Compromise for Goal Oriented Work, but not for Learning.*

*Anker Lund Vinding*

30th Annual Conference of Economist, Perth, September 2001.

Essex Summer School in Social Science Data Analysis and Collection, Essex, August 2001.

DRUID Nelson and Winter Conference, Aalborg, June 2001.

OECD FG Workshop on Innovative Firms and Networks, Vienna, Marts 2001.

Workshop on "Innovation, Technological Change and Growth in Knowledge Based and Service Intense Economics", Stockholm, February 2001.

DRUID Winter Conference, Korsoer, January 2001.

OECD FG Workshop on Innovative Firms and Networks, Rome, October 2000.

Essex Summer School in Social Science Data Analysis and Collection, Essex, August 2000.

DRUID Summer Conference, Rebild, June 2000.

OECD FG Workshop on Innovative Firms and Networks, Vienna, February 2000.

DRUID Winter Conference, Hillerød, January 2000.

Studie- og forskningsophold i udlandet:

Studieophold ved Bocconi universitet, Milano, Italien, 01.07.01-31.10.01, emne: Inter-organizational diffusion and transformation of knowledge in the process and product innovation.

## Appendix 1: DRUID Working Paper Series

- 01-16 **Nicolai J Foss:** *Selective Intervention and Internal Hybrids: Interpreting and Learning from the Rise and Decline of the Oticon Spaghetti Organization*  
ISBN(87-7873-115-1)
- 01-15 **Nicolai J Foss:** *The Problem With Bounded Rationality: On Behavioral Assumptions in the Theory of the Firm*  
ISBN(87-7873-114-3)
- 01-14 **Toke Reichstein and Michael S. Dahl:** *Patterns and Dependencies of Firm Growth*  
ISBN(87-7873-113-5)
- 01-13 **Nicolai J Foss:** *Bounded Rationality in the Economics of Organization: Present Use and (Some) Future Possibilities*  
ISBN(87-7873-112-7)
- 01-12 **Björn Johnson & Olman Segura-Bonilla:** *Innovation Systems and Developing Countries: Experiences from the SUDESCA Project*  
ISBN(87-7873-111-9)
- 01-11 **Keld Laursen:** *The Importance of Sectoral Differences in the Application of (Complementary) HRM Practices for Innovation Performance*  
ISBN(87-7873-110-0)
- 01-10 **Lars Bo Jeppesen:** *Making Consumer Knowledge Available and Useful: the case of the computer games industry*  
ISBN(87-7873-109-7)
- 01-09 **Brian J. Loasby:** *Industrial Dynamics: Why Connections Matter*  
ISBN(87-7873-108-9)
- 01-08 **John Cantwell & Elena Kosmopoulou:** *Determinants of internationalisation of corporate technology*  
ISBN(87-7873-107-0)
- 01-07 **Nicolai J. Foss:** *Economic Organization in the Knowledge Economy: Some Austrian Insights*  
ISBN(87-7873-106-2)
- 01-06 **Ionara Costa:** *Ownership and technological capabilities in Brazil*  
ISBN(87-7873-105-4)
- 01-05 **Alessandro Nuvolari:** *Collective Invention during the British Industrial Revolution: The Case of the Cornish Pumping Engine*  
ISBN(87-7873-104-6)
- 01-04 **Fulvio Castellacci:** *A "technology-gap approach to cumulative growth": toward an integrated model: empirical evidence for Spain, 1960-1997*  
ISBN(87-7873-103-8)
- 01-03 **Adolfo Nemirovsky & Gabriel Yoguel:** *Dynamics of High-Technology Firms in the Silicon Valley*  
ISBN(87-7873-101-1)
- 01-02 **Marco Giarratana & Salvatore Torrissi:** *Competence accumulation and collaborative ventures: Evidence from the largest European electronics firms and implications for the EU technological policies*  
ISBN(87-7873-100-3)
- 01-01 **John A. Mathews:** *Competitive Interfirm Dynamics within an Industrial Market System*  
ISBN(87-7873-099-6)

## Appendix 2: A Brief Presentation of Selected Web Server Statistics for the DRUID Home Page, January 1996 - December 2001

Between the start-up of DRUIDs home page in January 1996 and December 2001, we have had 1,515,311 request's (the concept of 'requests' will be defined below) from visitors located all over the world. From the beginning, Lars Anderson (System Administrator at the Department of Business Studies, Aalborg University) has logged all visits to DRUID's page on the Web. Based on this material and the software analog3.11/Unix, a set of statistics is updated on a daily basis. The statistics exclude hits (requests) from the domains cbs.dk (Copenhagen Business School) and auc.dk (Aalborg University), to avoid any kind of 'home-market' bias in the outcome.

The aim of this appendix is to describe briefly, the development in number of visitors the home page has had over time; the geographical dispersion of the visitors; and the aim is finally to describe the number of 'hits' the DRUID Working Papers have had, broken down on each individual paper. In Figure 1, to be found below, it can be seen that the popularity of DRUIDs home page has been increasing rather dramatically since the start in January 1996. There are two ways of measuring the number of visitors to a given page, namely in terms of the number of 'requests' and in terms of the number of 'pages'. Number of pages refers to how many times 'html' files have been visited. An html file is a file containing links to other pages (html=hyper text markup language). An example of such a file is the DRUID 'upcoming events' page to be found on: <http://www.druid.dk/upcoming/upcome.html>.

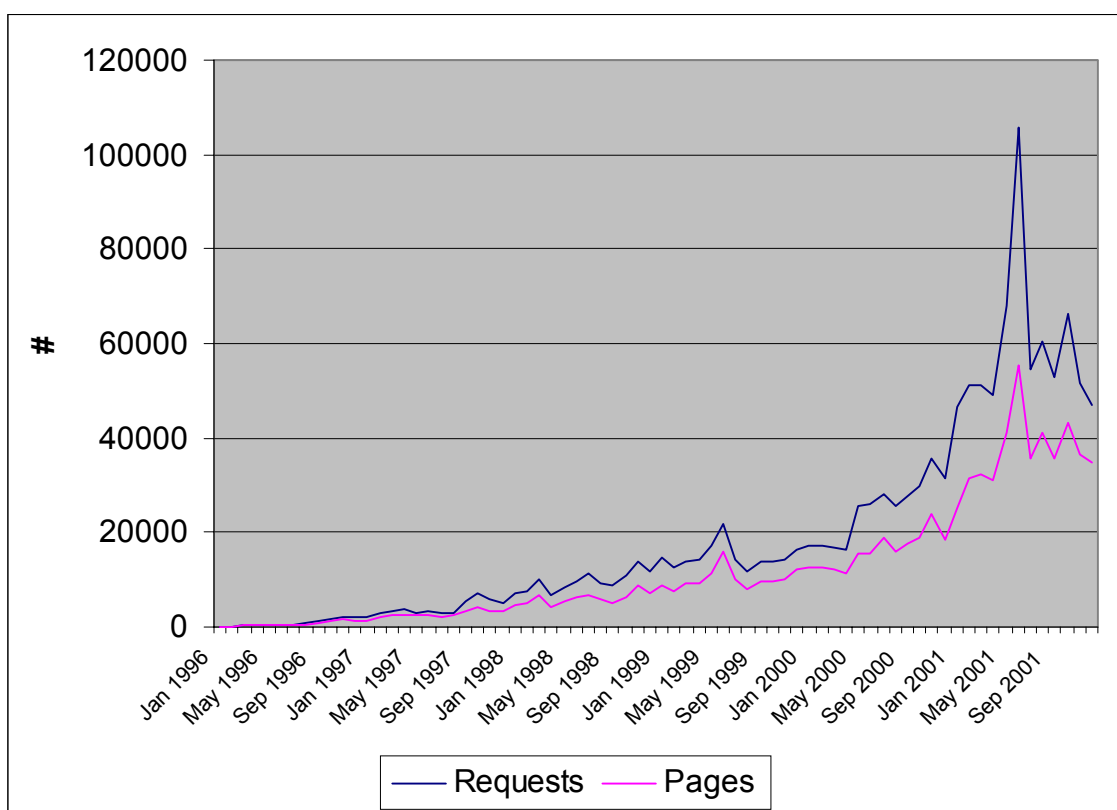


Figure 1: Monthly visits to DRUID's home page, January 1996 - December 2001

**Table 1:** Geographical location of DRUID’s Web page visitors, with more than 4,500 visits

HITS	ADDRESS
462106	[unresolved numerical addresses]
174858	.com (Commercial)
132945	.net (Network)
97557	.dk (Denmark)
70500	.uk (United Kingdom)
62392	.fr (France)
59443	.edu (USA Educational)
43620	.de (Germany)
38155	.it (Italy)
29612	.nl (Netherlands)
29596	.ca (Canada)
22898	.br (Brazil)
22694	.es (Spain)
21370	.se (Sweden)
20806	.au (Australia)
18825	.pt (Portugal)
17818	.no (Norway)
17650	.fi (Finland)
10752	.jp (Japan)
9205	.at (Austria)
8236	.sg (Singapore)
8147	.ar (Argentina)
8130	.org (Non-Profit Making Organisations)
7560	.be (Belgium)
7396	.tw (Taiwan)
6662	.nz (New Zealand)
6522	.hu (Hungary)
6511	.gr (Greece)
5667	.ch (Switzerland)
4888	.mx (Mexico)

However, html files are not the only files to be found on the Web. All kinds of graphics files, pdf files (pdf=portable document format) etc. are used for various purposes as well. The DRUID logo (found on our Web site in various forms), is for instance, a gif graphics file. Whenever someone clicks on the DRUID’s upcoming events’ page, this means that we register two ‘requests’, one for the html file (upcome.html), and one for the DRUID logo file (header.gif). In contrast, we will in the case register only one hit using the ‘page’ measure. In this respect the number of ‘requests’ can be said to be somewhat biased, due to an increasing number of graphics found on most home pages, these days (although the DRUID home page is low-key in terms of fancy graphics). On the other hand, our DRUID Working Papers are stored in the so-called pdf format. These are not counted when using the ‘pages measure. Due to the fact that the increase in the number of hits on the DRUID Web Page is mainly due to an increased numbers of hits on the Working Papers and conference contributions, the ‘page’ measure is biased in this respect. However, as can be seen from Figure 1, the two series both have dramatic upward trends. Both series have increased more than five fold over the period from December



**Table 2: Ranking of DRUID Working Papers by number of downloads per paper**

Rank	Hits	Paper	Author(s)	Title
1	7435	00-7	Michael Storper and Yun-chung Chen	The Effects of Globalization on the Location of Industries in the OECD and European Union
2	5953	98-22	Lam, Alice	'Tacit Knowledge, Organisational Learning and Innovation: A Societal Perspective'
3	5173	96-17	Lund, Reinhard & Gjerding, Allan Næs	The flexible company Innovation, work organisation and human ressource management
4	5168	00-11	Gabriel Yoguel, Marta Novick & Anabel Marin	Production networks: linkages, innovation processes and social management technologies. A methodological approach applied to...
5	5071	00-8	Mark Sanders and Bas ter Weel	Skill-Biased Technical Change: Theoretical Concepts, Empirical Problems and a Survey of the Evidence
6	4847	96-1	Lundvall, Bengt-Åke	The Social Dimension of the Learning Economy.
7	4733	96-10	Richardson, George B.	Competition, Innovation and Increasing Returns
8	4693	97-1	Foss, Nicolai J.	The Resource-Based Perspective: An Assessment and Diagnosis of Problems
9	4514	96-8	Foss, Nicolai J.	Capabilities and the Theory of the Firm:
10	4417	97-12	Ernst, Dieter & Lundvall, Bengt-Åke	Information Technology in The Learning Economy: Challenges for Developing Countries
11	4180	96-2	Foss, Nicolai J.	Firms, Incomplete Contracts and Organizational Learning.
12	4091	98-3	Ernst, Dieter	What Permits Small Firms to Compete in High-Tech Industries? Inter-Organizational Knowledge Creation in the Taiwanese...
13	4047	97-16	Lundvall, Bengt-Åke & Kristensen, Frank Skov	Organisational change, innovation and human resource Development as a response to increased competition
14	3948	98-30	Laursen, Keld	Revealed Comparative Advantage and the Alternatives as Measures of International Specialisation
15	3828	99-11	Laursen, Keld; Mahnke, Volker and Vejrup-Hansen, Per	Firm growth from a knowledge structure perspective
16	3636	98-7	Lam, Alice	The Social Embeddedness of Knowledge: Problems of Knowledge Sharing and Organisational Learning in International High-...
17	3597	97-14	Drejfer, Ina; Kristensen, Frank Skov & Laursen, Keld	Studies of Clusters as a Basis for Industrial and Technology Policy in the Danish Economy
18	3457	96-5	Andersen, Esben S. et al.	The Nelson and Winter Models Revisited: Prototypes for Computer-Based Reconstruction of Schumpeterian Competition.
19	3426	96-15	Foss, Nicolai J.	Thorstein B. Veblen: Precursor of the Competence-Based Approach to the Firm
20	3395	98-2	Ducatel, Ken	Learning and skills in the Knowledge Economy
21	3370	97-9	Ernst, Dieter	High-Tech Competition Puzzles: How Globalization Affects Firm Behavior and Market Structure in the Electronics Industry
22	3309	97-4	Richardson, George B.	Economic Analysis, Public Policy and the Software Industry
23	3200	97-2	Langlois, Richard N. & Foss, Nicolai J.	Governance: the Rebirth of Production in the Theory of Economic Organization
24	3092	99-3	Foss, Nicolai J.	Understanding Leadership: A Coordination Theory
25	3025	00-9	Mark Tomlinson	Innovation surveys: A researcher's perspective
26	3019	98-6	Valente, Marco	Technological Competition: a Qualitative Product Life Cycle
27	2991	96-12	Laursen, Keld	The Impact of Technological Opportunity on the Dynamics of Trade Performance
28	2944	99-7	Foss, Nicolai J.	Capabilities, Confusion, and the Costs of Coordination:On Some Problems in Recent Research on Inter-Firm Relations
29	2922	98-29	Foss, Nicolai J. & Mahnke, Volker	Strategy Research and the Market Process Perspective
30	2873	96-11	Maskell, Peter	Localised low-tech learning in the furniture industry
31	2839	97-10	Foss, Nicolai J.	Equilibrium vs Evolution in the Resource-Based Perspective: The Conflicting Legacies of Demsetz and Penrose
32	2726	97-3	Ernst, Dieter	Partners for the China Circle?: The Asian Production Networks of Japanese Electronics Firms
33	2724	97-5	Borrus, Michael & Zysman, John	You Don't Have to Be A Giant: How The Changing Terms of Competition in Global Markets are Creating New Possibilities...

34	2697 97-7	Ernst, Dieter & Guerrieri, Paolo	International Production Networks And Changing Trade Patterns In East Asia: The Case Of The Electronics Industry
35	2678 00-10	Søren Nymark	Value-based management in learning organizations through 'hard' and 'soft' managerial approaches: The case of Hewlett-Packard
36	2674 98-1	Præst, Mette	An Empirical Model of Firm Behaviour: A Dynamic Approach to Competence Accumulation and Strategic Behaviour
37	2642 98-23	Lund, Reinhard	Organizational and innovative flexibility mechanisms and their impact upon organizational effectiveness
38	2612 96-6	Maskell, Peter	Learning in the village economy of Denmark. The role of institutions and policy in sustaining competitiveness.
39	2535 99-1	Lorenz, Edward	Organisational Innovation, Governance Structure and Innovative Capacity In British and French Industry
40	2444 96-7	Foss, Nicolai J. and Christensen, Jens Frøslev	A Process Approach to Corporate Coherence.
41	2412 00-5	Anne Yvrande	The New British Railways Structure: A Transaction Cost Economics Analysis
42	2304 99-6	Jørgensen, Kenneth M	The Meaning of Local Knowledges
43	2277 97-11	Foss, Nicolai J.	Incomplete Contracts and Economic Organization: Brian Loasby and the Theory of the Firm
44	2275 98-26	Holmén, Magnus & Jacobsson, Staffan	A method for identifying actors in a knowledge based cluster
45	2266 98-20	Mahnke, Volker & Aadne, John Harald	Processes of Strategic Renewal, Competencies, and the Management of Speed
46	2214 00-3	Lucia Cusmano	Technology Policy and Co-operative R&D: the role of relational research capacity
47	2187 00-6	Machiel van Dijk and Önder Nomaler	Technological diffusion patterns and their effects on industrial dynamics
48	2185 98-16	Ernst, Dieter	Catching-Up, Crisis and Industrial Upgrading. Evolutionary Aspects of Technological Learning in Korea's Electronics Industry
49	2184 98-24	Christensen, Jesper Lindgaard & Drejer, Ina	Finance and Innovation System or Chaos
50	2181 96-4	Foss, Nicolai J.	Austrian and Post-Marshallian Economics: The Bridging Work of George Richardson.
51	2166 98-21	Lorenzen, Mark	Information cost, learning, and trust Lessons from co-operation and higher-order capabilities amongst geographically proximate... f
52	2124 98-13	Andersen, Esben Sloth	The Dynamics of the Organisation of Industry
53	2099 00-1	Patrick Llerena & Vanessa Oltra	Diversity of innovative strategy as a source of technological performance
54	2093 99-4	Foss, Kirsten & Foss, Nicolai J.	Understanding Ownership: Residual Rights of Control and Appropriable Control Rights
55	2055 98-19	Foss, Nicolai J.	Firms and the Coordination of Knowledge: Some Austrian Insights
56	2019 96-9	Foss, Kirsten	A transaction cost perspective on the influence of standards on product development: Examples from the fruit and vegetable market
57	1975 97-13	Kristensen, Frank Skov	The Performance of Different Organisations under Different Marked Conditions: An Empirical Analysis of the Organisational...
58	1949 98-25	Laursen, Keld	How Structural Change Differs, and Why it Matters (for Economic Growth)
59	1917 01-03	Adolfo Nemirovsky & Gabriel Yoguel	Dynamics of High-Technology Firms in the Silicon Valley
60	1908 98-8	Joergensen, Kenneth Moelbjerg	Information Technology and Change in Danish Organizations
61	1898 97-6	Teubal, Morris	Restructuring and Embeddedness Of Business Enterprises: Towards An Innovation System Perspective On Diffusion Policy
62	1874 98-14	Foss, Kirsten & Foss, Nicolai J.	The Market Process and The Firm: Toward a Dynamic Property Rights Perspective
63	1764 96-13	Andersen, Esben Sloth	The Evolution of an Industrial Sector with a Varying Degree of Roundaboutness of Production
64	1752 98-4	Christensen, Jens Frøslev	The Dynamics of the Diversified Corporation and the Role of Central Management of Technology
65	1742 00-12	Gabriel Yoguel & Fabio Boscherini	The environment in the development of firms' innovative capacities: Argentine industrial SMEs from different local systems
66	1731 97-8	Lazaric, Nathalie & Marengo, Luigi	Towards a Characterisation of Assets and Knowledge Created in Technological Agreements: Some evidence from the automobile...
67	1703 00-2	Patrick Llerena & Mireille Matt	Technology policy and cooperation: a paradigmatic approach
68	1691 99-12	Lundvall, Bengt-Åke and Christensen, Jesper Lindgaard	Extending and Deepening the Analysis of Innovation Systems: with Empirical Illustrations from the DISCO-project
69	1656 96-3	Dalum, Bent and Villumsen, Gert	Are OECD Export Specialisation Patterns 'Sticky?' Relations to the Convergence-Divergence Debate.
70	1651 96-14	Dalum, Bent; Laursen, Keld & Villumsen, Gert	The Long Term Development of OECD Export Specialisation Patterns: De-specialisation and "Stickiness"
71	1644 98-18	Laursen, Keld	Do Export and Technological Specialisation Patterns Co-evolve in Terms of Convergence or Divergence?: Evidence From 19...

72	1613	97-15	Laursen, Keld & Drejer, Ina	Do Inter-sectoral Linkages Matter for International Export Specialisation?
73	1605	99-2	Ernst, Dieter	Responses to the Crisis: Constraints to a Rapid Trade Adjustment in East Asia's Electronics Industry
74	1589	98-28	Foss, Nicolai J.	Austrian Economics and Game Theory: a Preliminary Methodological Stocktaking
75	1586	98-10	Foss, Kirsten	Technological Interdependencies, Specialization and Coordination: A Property Rights Perspective on The Nature of the Firm
76	1492	96-16	Gjerding, Allan Næs	Organisational innovation in the Danish private business sector
77	1489	01-02	Marco Giarratana & Salvatore Torrissi	Competence accumulation and collaborative ventures: Evidence from the largest European electronics firms and implications for ...
78	1452	99-5	Foss, Kirsten & Foss, Nicolai J.	Organizing Economic Experiments: The Role of Firms
79	1445	98-17	Kaisla, Jukka	The Market Process and the Emergence of the Firm: Some Indications of Entrepreneurship Under Genuine Uncertainty
80	1402	01-01	John A. Mathews	Competitive Interfirm Dynamics within an Industrial Market System
81	1348	99-10	Laursen, Keld and Meliciani, Valentina	The importance of technology based inter-sectoral linkages for market share dynamics
82	1344	98-11	Andersen, Poul H	Organizing International Technological Collaboration in Subcontractor Relationships An Investigation of the Knowledge-...
83	1304	00-13	Rodrigo Arocena & Judith Sutz	Interactive Learning Spaces and Development Policies in Latin America
84	1304	98-27	Richardson, George B.	Production, Planning and Prices
85	1301	00-4	Juliana Hsuan Mikkola	Modularization assessment of product architecture
86	1268	99-9	Nymark, Søren R.	Organisatorisk l&aelig;ring gennem den værdibaserede organisations fort&aelig;llinger
87	1109	98-15	Lorenz, Edward	Societal Effects and the Transfer of Business Practices to Britain and France
88	1049	98-5	Valente, Marco	Laboratory for Simulation Development
89	1005	01-09	Brian J. Loasby	Industrial Dynamics: Why Connections Matter
90	959	98-12	Nymark, Søren	Billeder af strategi i forandringsrige organisatoriske omgivelser: 3 cases fra DISKO studierne
91	897	98-9	Andersen, Esben Sloth	Escaping Satiation in an Evolutionary Model of Structural Economic Dynamics
92	861	01-07	Nicolai J. Foss	Economic Organization in the Knowledge Economy: Some Austrian Insights
93	845	01-04	Fulvio Castellacci	A "technology-gap approach to cumulative growth": toward an integrated model: empirical evidence for Spain, 1960-1997
94	728	01-06	Ionara Costa	Ownership and technological capabilities in Brazil
95	713	99-8	Lund, Reinhard	Tillidsrepræsentantsystemet og de fleksible virksomhedsformer
96	685	01-05	Alessandro Nuvolari	Collective Invention during the British Industrial Revolution: The Case of the Cornish Pumping Engine
97	608	01-11	Keld Laursen	The Importance of Sectoral Differences in the Application of (Complementary) HRM Practices for Innovation Performance
98	601	01-08	John Cantwell & Elena Kosmopoulou	Determinants of internationalisation of corporate technology
99	570	01-12	Björn Johnson & Olman Segura-Bonilla	Innovation Systems and Developing Countries: Experiences from the SUDESCA
100	478	01-16	Nicolai J Foss	Selective Intervention and Internal Hybrids: Interpreting and Learning from the Rise and Decline of the Oticon Spaghetti...
101	450	01-10	Lars Bo Jeppesen	Making Consumer Knowledge Available and Useful: the case of the computer games industry
102	449	01-13	Nicolai J Foss	Bounded Rationality in the Economics of Organization: Present Use and (Some)Future Possibilities
103	344	01-15	Nicolai J Foss	The Problem With Bounded Rationality: On Behavioral Assumptions in the Theory of the Firm
104	261	01-14	Toke Reichstein and Michael S. Dahl	Patterns and Dependencies of Firm Growth

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1997 to December 2001. The two peaks in May 1999 and in July 2001 are probably due to the fact that DRUID organises the Annual Summer Conference in June, and in this context makes a number of resources available via the Web, including the contributions to the conference in downloadable pdf-format. In total we have had 1,515,311 'visitors' using the request measure, while we have had 991,133 'visitors', using the pages measure, in the period from the start-up (Jan. 1996) to December 2001.

The statistics can also be broken down on nationality of the visitors. In Table 1 are listed the geographical locations of the visitors to DRUID's home page (with more than a thousand visits). However, some computers are not set up, using the country of Codes, but applies instead numerical addresses, which cannot be assigned to any location (unresolved numerical addresses). The US cannot be found as one country, as these hits are split into .com (commercial addresses), .edu educational addresses), .gov (government addresses), .us (US general addresses), and .mil (US military addresses). It can be seen from Table 1 that the commercial addresses, are the most frequent visitors. It can also be noted that although DRUID has a substantial amount international linkages, and address an international audience to a large extent, then the 'home country' of DRUID still plays a major role. Otherwise it can be seen from the table that the 'heaviest' visitors to the DRUID Web page come from mainly the richest countries in the world (the OECD countries). However, it can be noted that DRUID has had visits from places such as Jamaica, Mauritius, Kyrgyzstan, Kenya and Ethiopia. By far the single most popular service on the DRUID Web site is the electronically available Working Papers Series. 548856 of the total DRUID requests (1,515,311) can be attributed to pdf-files (DRUID Working Papers and DRUID conference contributions; about 35% of the total number of requests). The total of downloads of the Working Papers is at present 242972 (~16%).

DRUID had at the end of year 2001 published 104 Working Papers. The number of hits each paper has attracted is displayed in Table 2 (unweighted with respect to the time the papers have been available). From the table it can be seen that the single most popular paper was Michael Storper and Yun-chung Chen's paper on "The Effects of Globalization on the Location of Industries in the OECD and European Union". Moreover, it can be concluded from the table that *each* paper has been downloaded - on average - more than 2000 times (2336 'hits' per paper). No doubt that a publication in the DRUID WP series provides a high degree of visibility.

### Appendix 3: Citations to the work by senior DRUID scholars

#### Gross Citations

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	I alt
Andersen, Esben Sloth	1	1	1	1	7	10	9	4	4	10	14	6	68
Christensen, Jens Frøslev	0	0	1	0	1	1	0	1	1	2	3	2	12
Christensen, Poul Rind	0	2	3	2	5	3	1	2	3	3	2	1	27
Dalum, Bent	0	1	1	1	1	4	1	4	3	5	2	3	26
Foss, Nikolai Juul	0	0	0	1	3	3	12	11	31	40	26	17	144
Johnson, Bjørn	1	0	0	2	2	4	3	8	5	7	7	6	45
Lundvall, Bengt-Åke	1	10	14	18	22	42	37	50	60	87	77	53	471
Maskell, Peter	0	0	2	0	1	3	2	5	6	14	22	16	71
Total	3	14	22	25	42	70	65	85	113	168	153		864

#### Self-Citations

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	I alt
Andersen, Esben Sloth	0	0	0	0	0	0	0	0	0	0	0	0	0
Christensen, Jens Frøslev	0	0	0	0	0	1	0	0	0	0	0	0	1
Christensen, Poul Rind	0	0	0	0	0	0	0	0	0	0	0	0	0
Dalum, Bent	0	0	0	0	0	0	0	0	0	0	0	0	0
Foss, Nikolai Juul	0	0	0	0	1	0	3	1	1	1	0	0	7
Johnson, Bjørn		0	0	0	0	0	0	1	1	1	0	0	3
Lundvall, Bengt-Åke	0	0	0	0	0	0	0	0	1	0	0	0	1
Maskell, Peter	0	0	0	0	0	0	0	0	1	3	0	0	4
Total	0	0	0	0	1	1	3	2	4	5	0	0	16

#### Citations from others of the selected authors

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	I alt
Andersen, Esben Sloth	0	0	0	0	1	0	0	0	0	0	0	0	1
Christensen, Jens Frøslev	0	0	0	0	0	0	0	0	0	0	0	0	0
Christensen, Poul Rind	0	0	0	0	0	0	0	0	0	0	0	0	0
Dalum, Bent	0	0	0	0	0	0	0	1	1	1	0	0	3
Foss, Nikolai Juul	0	0	0	0	0	0	0	0	0	1	0	0	1
Johnson, Bjørn		0	0	0	0	0	0	0	1	1	0	0	2
Lundvall, Bengt-Åke	0	0	0	0	0	0	0	1	1	2	0	0	4
Maskell, Peter	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	0	0	2	3	5	0	0	11

#### Net Citations

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	I alt
Andersen, Esben Sloth	1	1	1	1	6	10	9	4	4	10	14	6	67
Christensen, Jens Frøslev	0	0	1	0	1	0	0	1	1	2	3	2	11
Christensen, Poul Rind	0	2	3	2	5	3	1	2	3	3	2	1	27
Dalum, Bent	0	1	1	1	1	4	1	3	2	4	2	3	23
Foss, Nikolai Juul	0	0	0	1	2	3	9	10	30	38	26	17	136
Johnson, Bjørn	1	0	0	2	2	4	3	7	3	5	7	6	40
Lundvall, Bengt-Åke	1	10	14	18	22	42	37	49	58	85	77	53	466
Maskell, Peter	0	0	2	0	1	3	2	5	5	11	22	16	67
Total	3	14	22	25	40	69	62	81	106	158	153	104	837

## Appendix 4: DRUID SEMINARS 2001

### Aalborg

- Feb 27**  
14:00 - 15:30  
2002  
**Seminar**  
Lars Gelsing, IKE, and Kent Nielsen, Aarhus School of Business: "Regional Industrial Policy Monitoring - Based on Large Datasets"  
*Location: Fibigerstræde 4, Room 33*
- Jan 16**  
14:00 - 15:00  
2002  
**Seminar**  
Mario Lopez: "Presentation in relation to PhD project"  
Please note that this seminar has been cancelled  
*Location: Fibigerstræde 4, Room 33*
- Jan 10**  
10:00 - 12:00  
2002  
**Seminar**  
Anker Lund Vinding: Pre-defence of the PhD thesis: Inter-Organizational Diffusion and Transformation of Knowledge in the Process of Product Innovation  
*Location: Fibigerstræde 4, Room 33*
- Jan 09**  
14:00 - 15:00  
2002  
**Seminar**  
Esben Sloth Andersen: "From Schumpeter's theory of economic development to a general theory of economic evolution"  
Please note that this seminar has been postponed.  
*Location: Fibigerstræde 4, Room 33*
- Dec 17**  
14:00 - 15:30  
2001  
**Seminar**  
Markus Reitzig (Ph.D. cand.) from Munich School of Management and Haas School of Business will present his work about 'Patent Evaluation'. No paper is available. More information about Mr Reitzig at <http://faculty.haas.berkeley.edu/reitzig>  
*Location: Howitzvej 60, Meeting Room, 5th Floor*
- Dec 12**  
14:00 - 15:00  
2001  
**Seminar**  
Lisette Amaya: "Presentation in relation to PhD project"  
*Location: Fibigerstræde 4, Room 33*
- Dec 05**  
14:00 - 15:30  
2001  
**Seminar**  
Lars Gelsing, IKE, and Kent Nielsen, Aarhus School of Business: "Regional Industrial Policy Monitoring - Based on Large Datasets"  
Please note! This seminar has been cancelled. It will take place on the 27th of February 2002 instead.  
*Location: Fibigerstræde 4, Room 33*
- Nov 28**  
14:00 - 15:30  
2001  
**Seminar**  
Mammo Muchie, Department of Development and Planning, Aalborg University: "Innovation systems for revitalising development research programmes"  
*Location: Fibigerstræde 4, Room 33*
- Nov 21**  
14:00 - 15:00  
2001  
**Seminar**  
Michael S. Dahl: "Geographic Clustering and Patenting in Danish Firms and Regions"  
*Location: Fibigerstræde 4, Room 33*
- Nov 14**  
14:00 - 16:00  
2001  
**Workshop**  
IKE workshop on "Long-term Perspectives of the New Economy" -- preparing for the DRUID Sommer Conference 2002. Bengt-Ake Lundvall starts with his [paper on the topic](#).  
*Location: Fibigerstræde 4, Room*
- Nov 07**  
14:00 - 15:00  
2001  
**Seminar**  
June Tolsby: [Product development as a Social Learning process](#)  
*Location: Fibigerstræde 4, Room 33*
- Oct 24**  
14:00 - 15:00  
2001  
**Seminar**  
Jeffrey Orozco: "Innovation theory and the case of the oil palm industri in Costa Rica". Here you will find [chapter 3](#) and [chapter 4](#) of his thesis  
*Location: Fibigerstræde 4, Room 33*
- Sep 26**  
14:00 - 15:00  
2001  
**Seminar**  
Ines Freier, Centre for Sustainable Regional Development, Technical University of Chemnit on her PhD thesis: The implementation of the concept of environmental management in Germany - institution building and institutional learning.  
Here you will a [note](#) on her PhD project  
*Location: Fibigerstræde 4, Room 33*
- Sep 19**  
14:00 - 15:00  
2001  
**Seminar**  
Khaili Al-Kanaani on his PhD project on "International Integration and Regional Joint Venture Strategies: The Case of Gulf Logistics Management"  
*Location: Fibigerstræde 4, Room 33*
- May 09**  
14:00 - 15:30  
2001  
**Seminar**  
Dirk Fornahl: [Regional Economic Development: The Impact of Collective Beliefs](#)  
*Location: Fibigerstræde 4, Room 33*
- May 08**  
12:00 - 14:00  
2001  
**Meeting**  
Nelson & Winter Study Group Meeting. Michael Dahl presents and initiates the diskussion of chapter 4 in the 1982 Nelson & Winter book.  
Organizer: Toke Reichstein

- Location: Fibigerstræde 4, Room 33*
- Apr 11  
12:00 - 14:00  
2001  
**Meeting**  
Meeting in the Nelson & Winter Study Group. Discussion of Part 1 of 'An Evolutionary Theory of Economic Change': 'Overview and otivation'.  
Presenter: Toke Reichstein  
*Location: Fibigerstræde 4, Room 33*
- Apr 04  
10:00 - 11:00  
2001  
**Meeting**  
Meeting in the Nelson and Winter Study group. As the DRUID Summer Conference is a celebration of the '20th' anniversary of the book by Nelson & Winter, "An Evolutionary Theory of Economic Growth", a group of PhD-Students has formed a study group that is going tom read the book from cover to cover and discuss some of the idears.  
(Organizer: Toke Reichstein).  
*Location: Fibigerstræde 4, Room 33*
- Mar 28  
12:00 - 16:00  
2001  
**Seminar**  
Learning and Knowledge within Institutions and in Regions: How do we Interpret and Understand these Concepts?  
*Location: Fibigerstræde 4, Room 106*  
**Further information:** <http://www.business.auc.dk/ike/upcoming/ike-sem-2803.htm>
- Feb 21  
14:00 - 15:30  
2001  
**Seminar**  
Jesper L. Christensen: The Development of Danish Innovation Policy.  
[Here](#) you will find a paper for the seminar.  
*Location: Fibigerstræde 4, Room 33*
- Jan 31  
14:00 - 15:30  
2001  
**Seminar**  
June Tolsby: [Understanding Learning within Organisations: From Social Consciousness to Social Capital](#)  
*Location: Fibigerstræde 4, Room 33*
- Jan 24  
14:00 - 15:30  
2001  
**Seminar**  
June Tolsby: "Organizational behaviour and Organizational Learning"  
OBS: Put off till January 31.  
*Location: Fibigerstræde 4, Room 33*
- Jan 10  
14:00 - 15:30  
2001  
**Seminar**  
Toke Reichstein: [Gibrat's Law vs Nelson & Winter - A Simulation Study of Growth Provsesses and Size Distributions](#)  
*Location: Fibigerstræde 4, Room 33*

## København

- Mar 19  
14:00  
2002  
**Seminar**  
Dr. Jörg Fischer, University of Göttingen / Technical University of Chemnitz, Germany: Increasing Returns and Economic Progress Revisited.
- Dec 17  
14:00  
2001  
**Seminar**  
Markus Reitzig, Munich School of Management & Haas School of Business: Patent Evaluation (no paper available).
- Dec 7  
13:00  
2001  
**Pre-defence**  
Mikkel Andreas Thomassen, IVS, Copenhagen Business School.
- Oct 2  
11:00 – 12:00  
2001  
**Seminar**  
Edward Lorenz, Centre d'Etudes de l'Emploi, France: [Models of Cognition, the Contextualisation of Knowledge and Organisational Theory.](#)
- Oct 1  
13:30 – 14:30  
2001  
**Seminar**  
Leila Kebir, IRER, University of Neuchâtel, Switzerland: [From the object to the resource: The dynamic of territorial production systems.](#)
- June 7  
14:00  
2001  
**Seminar (two presentations)**  
Deborah Tappi, Max Planck Institute for Research into Economic Systems, Jena, Germany: Industrial districts as evolving systems.  
David Doloreux, University of Waterloo, Canada: Explaining Regional Innovativeness and Industrial Competitiveness in a Globalising Economy: Theory, Policy and Practice.
- May 16  
2001  
**Seminar**  
Peter Parker, Lund University, Sweden: [Social Capital and Knowledge Development in Small Firms.](#)

## Appendix 5: The DRUID-Conference programs 2001

Programme for the DRUID Winter Conference, January 18-20, 2001  
on 'THE EXTERNAL ORGANISATION OF THE FIRM', Klarskovgaard, Korsør

The conference papers can be reached through the conference home page:  
<http://www.business.auc.dk/druid/conferences/winter2001/>

### Thursday the 18<sup>th</sup> of January 2002

15.00 Welcome address by Peter Maskell  
15.15-16.15 Key-note address: Industrial Dynamics: Why Connections Matter by Brian Loasby  
16.15-18.45 Parallel paper sessions

Session 1: Chair: Meric Gertler

Norma Rantisi How local Institutions Fashion the design Innovation Process in New York City's  
Garment District  
*Discussants:* Daniel Kirchert, Brian Loasby

Carol M. Connell  
How the Environment of Hong Kong and, the ASEAN Contributed to Jardine, Matheson &  
Company's External Organization for Opportunity Exploitation  
and Risk Reduction  
*Discussants:* Alessandro Nuvolari, Volker Mahnke

Rice, John Collaborative Production Strategies for Technological Innovation and Leadership in  
Network Industries: The Case of Bluetooth  
*Discussants:* Juliana Hsuan Mikkola, Bent Dalum

Thomassen, Mikkel  
The interplay between coordination and interfirm innovation mediated by standardisation  
*Discussants:* Olivier Germain, Pierre Garrouste

Session 2: Chair: Esben Slot Andersen

Fields, Gary  
Communication, Innovation, and networks. Business Organization, regional Development, and  
Production Networks of Swift Meat. Packing and Dell Computer  
*Discussants:* Henrich Dahlgren, Henrik Sornn-Friese

Jeppesen, Lars Bo  
The end-consumer as a source of innovation  
*Discussants:* Christian Zellner, Bengt-Åke Lundvall

Peluffo, Adriana

Effects of trade liberalisation on innovative activities. An analysis of the Uruguayan food industries

*Discussants:* Ionara Costa, Bengt-Åke Lundvall

Pignon, Virginie

The Electricity Transmission Pricings in the Nordic Countries: An Assesment of pricing Rules

*Discussants:* Keld Laursen, Bo Carlsson

Session 3: Chair: Bjørn Johnson

Calbay, Yucel

Innovation Networks, Corporate Coherence and Environmental Capabilities

*Discussants:* Per Högselius, Peter Maskell

Dahl, Michael

Overview of the theories of Geographical Clustering and Agglomeration

*Discussants:* Paolo Seri, Ned Lorenz

Aage, Tine The co-existence of different organisational forms. Firms as interpretative systems

*Discussants:* Johanne Nählinder, Ned Lorenz

Tappi, Deborah

The Neo-Marshallian Industrial District: A study on Italian Contributions to Theory and Evidence

*Discussants:* Anker Lund Vinding, Peter Maskell

19.00          Dinner

20.30-21.30 Evening session Chair: Esben Slot Andersen

Nuvolari, Alessandro

Industrial Revolution: The Case of the Cornish Pumping Engine Seri, Paolo Llosing areas and shared mental models: towards a definition of the cognitive obstacles to local development

General discussion

**Friday the 19<sup>th</sup> of January 2001**

09.00-11.30 Parallel paper sessions

Session 4: Chair: Ned Lorenz

Castelacci, Fulvio

A Technology-gap approach to cumulative growth: Toward an integrated model

*Discussants:* Michiel van Dijk, Henrik Sornn-Friese

Molin, Måns J.

Dynamic Capabilities: How can we make them work?

*Discussants:* Virginie Pignon, Pierre Garrouste

Lien, Lasse B.

Factor Market Failure and Movements in Product Space

*Discussants:* Dana Minbaeva, Pierre Garrouste

Vang-Lauridsen, Jan Birger

Boundaries of the firm and intellectual production – a critique of transaction costs economics

*Discussants:* Nantawan Noi Kwanjai, Pierre Garrouste

Session 5: Chair: Bengt-Åke Lundvall

Dahlgren, Henrich

Transformation of Network Structures – A Conceptual Framework

*Discussants:* Yucel Calbay, Meric Gertler

Garcez, Christiane M.

D'Avila Multinational Enterprises and Local Systems of Innovation: The Case of the Automotive Industry in Brazil

*Discussants:* Norma Rantisi, Bent Dalum

Högselius, Per

The impact of Swedish firms on transition in Eastern Europe: innovation and institutional change in Estonia by means of West-East inter-organisational collaboration

*Discussants:* Tine Aage, Bent Dalum

Husman, Tina Brandt

Efficiency in Inter-Organisational Learning: A Taxonomy of Knowledge Transfer Costs

*Discussants:* Lasse Lien, Meric Gertler

Session 6: Chair: Volker Mahnke

Mikkola, Juliana Hsuan

Modularity and Interface Management: The case of Schindler Elevators

*Discussants:* Piergiuseppe Morone, Bo Carlsson

Hovhannisian, Karén Application of the Real-Option Technique to Investments in Learning

*Discussants:* Toke Reichstein, Ina Drejer

Albuquerque, Eduardo & Biazi, Elenice Transnational Corporations and patenting activities in Brazil: data description and statistical tests about the relative internalization of technological activities

*Discussants:* Elena Kosmopoulou, Esben Sloth Andersen

Blom, Kristina & Karlsson, Charlie

Exit and Entry over the product Life Cycle: Evidence from the Swedish Manufacturing Industry

*Discussants:* Marco Giarratana, Ina Drejer

11.30-11.45 Coffee

11.45 – 12.45 Key-note address: Best Practice? Geography, Learning and the institutional limits to Strong Convergence by Meric S. Gertler

Chair: Volker Mahnke

13.00 – 14.00 Lunch

14.00 – 16.00 A Walk

15.45 – 16.00 Coffee

16.00 – 18.30 Key-note addresses: Culturally Situated Knowledge and the theory of the firm by Ned Lorenz

Why all this fuss about codified and tacit knowledge? by Björn Johnson & Bengt-Åke Lundvall

Chair: Keld Laursen

19.00 Dinner

### **Saturday the 20<sup>th</sup> of January 2001**

09.00-11.30 Parallel paper

Session 7: Chair: Bent Dalum

Kosmopoulou, Elena

What determines the internationalization of corporate technology?

*Discussants:* Måns Molin, Bo Carlsson

Reichstein, Toke

Product development and Performance of Firms

*Discussants:* Karén Hovhannisian, Bo Carlsson

Giarrantana, Marco & Torrasi

Salvatore Competence accumulation and collaborative ventures: evidence from the largest European electronics firms and implications for the EU technological policies

*Discussants:* Eduardo Albuquerque, Bengt-Åke Lundvall

Dijk van, Michiel

An International Comparison of Manufacturing Productivity in South Africa, 1970 –1997

*Discussants:* Christiane Garcez, Esben Slot Andersen

Session 8: Chair: Pierre Garrouste

Zellner, Christian,

How is Knowledge Being Transferred? – Assessing the indirect Effects of Basic Research

*Discussants:* Mikkel Thomassen, Ned Lorenz

Vinding, Anker Lund Absorptive Capacity and Innovative Performance: A human Capital Approach

*Discussants:* Jan Vang-Lauridsen, Ina Drejer

Monrone, Piergiuseppe & Taylor, Richard Knowledge Diffusion Dynamics and Network Properties of Face-to-Face Interactions

*Discussants:* Fulvio Castelacci, Ned Lorenz

Nählinder, Johanna

Innovation related changes in employment structure. The case of knowledge-intensive business services

*Discussants:* Michael S. Dahl, Henrik Sornn-Friese

Session 9: Chair: Keld Laursen

Costa, Ionara Ownership and Technological Capabilities in Brazil

*Discussants:* Adriana Peluffo, Bjørn Johnson

International guests:

Brian J. Loasby, University of Stirling

Meric S. Gertler, University of Toronto

Ned Lorenz, Centre d'Etudes de l'Emploi

Bo Carlsson, Case Western Reserve University, Cleveland

Pierre Garrouste, Université de Lyon II

Alessandro Peluffo

Adriana Peluffo, Universidad de la República Oriental del Uruguay

Programme for the DRUID Nelson and Winter Summer Conference, 12 – 15 June, 2001. Aalborg Kongres- og Kulturcenter, Aalborg.

The conference papers can be reached through the conference home page:  
<http://www.business.auc.dk/druid/conferences/nw/>

## **DAY 1: Tuesday June 12**

14.00- Registration

15.30-17.00 Plenary Prelude: On the contribution of evolutionary economics to Economics and social science

A conversation between young scholars, Richard Nelson and Sidney Winter

17.30-19.00 Plenary Theme A: Industrial and Market Dynamics

Geroski, Paul & Mazzucato, Mariana: Learning and the Sources of Corporate Growth (invited)

Klepper, Steven: Firm Capabilities and Industry Evolution (Invited)

Malerba, Franco & Orsenigo, Luigi: The Dynamics of Innovation and Market Structure in the Evolution of the Pharmaceutical Industry: A History Friendly Model ( Invited) [7-June-01]

Carlsson, Bo, chair

Cohen, Wesley, discussant

Metcalf, Stan, discussant

20.00 Dinner

## **DAY 2: Wednesday June 13**

9.00-10.30 Plenary Theme B: Production and Use of Knowledge

Foray, Dominique & Steinmueller, W. Edward: Replication of routine, the domestication of tacit knowledge and the economics of inscription technology: A Brave New World? (Invited)

Pavitt, Keith: Knowledge about Knowledge since Nelson & Winter: A mixed record (Invited)

Loasby, Brian: Cognition and the Growth of Knowledge. ( Invited)

Coriat, Benjamin, chair

Constant, Edward, discussant

Nightingale, Paul, discussant

Coffe break

11.00-12.30 Plenary session Theme C: Technical Change, Production Organisation and the Firm

Witt, Ulrich: The Development of Firms and the Evolution of Markets - The Entrepreneurial Role Reconsidered (Invited)

Cohendet, Patrick & Llerena, Patrick: Routines, Communities and Organizational Capabilities (Invited)

Andersen, Esben Sloth: Toward a Multiactivity Generalisation of the Nelson-Winter Model (Invited)

Lynn Mytelka, chair

Lorenz, Edward, discussant

Thorbjørn Knudsen, discussant

12.30 - 13.40 Lunch

13.45 - 16.15 Visit to viking site Lindholm Høje with old-style refreshments, museum and a small viking drama

16.30-18.00 Plenary session Theme D: Routines, organisational practises and strategies

Dosi, Giovanni; Levinthal, Daniel & Marengo, Luigi: Bridging Contested Terrain: Linking Incentive-based and Learning Perspectives on Organizational Evolution (Invited)

Richardson, G. B: Evolution, Structure and Strategy (Invited)

Granstrand, Ove: The Economics and Management of Evolutionary Knowledge Diversification (Invited)

Christensen, Jens Froeslev, chair

Foss, Nicolai J., discussant

Helfat, Constance, discussant

18.15-19.45 Plenary session Theme E: Growth, Development and Structural Change  
Fagerberg, Jan & Verspagen, Bart: The technology gap approach reexamined. (Invited).

Mowery, David C & Timothy Simcoe: Is the Internet a U.S. Invention? - An Economic and Technological History of Computer Networking (Invited)

Carlaw, Kenneth I. & Lipsey, Richard G. : Externalities versus Technological Complementarities: a model of GPT-driven, sustained growth. (Invited)

Maskell, Peter, chair

Ernst, Dieter, discussant

Silverberg, Gerald, discussant

20.00 Dinner

21.30-23.00 Round table on the new economy and international benchmarking

Richard Nelson, chair

Jørgen Roested

Pavitt, Keith

Nobuo Tanaka David Teece

### **DAY 3: Thursday June 14**

9.-10.30 Plenary session Theme F: National Systems of Innovation, Institutions and Public Policies

Lundvall Bengt-Aake; Johnson Bjoern; Andersen, Esben S. & Dalum, Bent: National systems of production, innovation and competence-building (Invited )

Petit, Pascal & Amable, Bruno: On the development paths of innovation systems.

Cimoli, Mario & Katz, Jorge: Structural Reforms, Technological Gaps and Economic Development. A Latin American Perspective in the 1990's (Invited)

Teubal, Morris, chair

Edquist, Charles, discussant

Keith Smith, discussant

Coffee break

11.00-12.30 Parallell session 1 (programme below)

12.30 - 14.00 Lunch

14.00- 15.30 Parallell session 2 (programme below)

Coffe break

16.00 - 17.30 Parallell session 3 (programme below)

Coffee break

18.00-19.30 Parallel session 4 (programme below)

20.00 Dinner

### **DAY 4: Friday June 15**

9.30-11.00 Parallel session 5 (programme below)

Coffe break

11.30-13.00 Parallell session 6 (programme below)

13.00 -14.30 Lunch

14.30-16.00 Round table in Plenary session on theoretical perspectives

Winter, Sidney, chair

Aoki, Mashiko

Dosi, Giovanni

Loasby, Brian

Soete, Luc

16.00-16.30 Closing the conference

16.30 Busses to the airport

### **DAY 3 and 4: Distribution of Papers for the Parallel Sessions:**

*Papers whose authors are in capital letters are "lead papers". The identification numbers are for the use of the conference committee.*

#### **THEME A: INDUSTRIAL AND MARKET DYNAMICS - Parallel sessions 1-6:**

##### **Session 1**

COHEN, WESLEY; Nelson, Richard; Goto, Akira; Nagata, Akiya & Walsh, John:  
Links and Impacts: the Influence of Public Research on Industrial R&D (Invited)

Mathews, John: Resources, Routines, and interfirm Relations: A conceptual framework  
for analyzing economic dynamics. (Conferencepaper)

Cefis, Elena; Dosi, Giovanni & Bottazzi, Giulio: Corporate Growth and Technological  
Regimes. No 41 (Conferencepaper)

Valentin, Finn, chair

Mazzucato, Mariana, discussant

Christensen, Jesper L., discussant

##### **Session 2**

Marsili, Orietta & Verspagen, Bart: Technological Regimes and Innovation: Looking for  
Regularities in Dutch Manufacturing.

Palmberg, Christopher: Tracing technological opportunities, patterns of innovation and  
competence requirements through micro data.

Riccaboni, Massimo & Pammolli, Fabio: Technological Regimes and the Growth of  
Networks.

Cohen, Wesley, chair

Klepper, Steven, discussant

Cusmano, Lucia, discussant

##### **Session 3**

METCALFE, STAN: Industrial Growth and the Theory of Retardation: Precursors of an  
Adaptive Evolutionary Theory of Economic Change (Invited)

Yildizoglu, Murat: Learning and Competition: Alternative Learning Strategies in the Nelson and Winter Model.

Gunnar Eliasson, chair

Marsili, Orietta, discussant

Palmberg, Christopher, discussant

#### **Session 4**

Madsen, Tammy L. & Walker, Gordon: The Rates of Change of Entrants and Incumbents in a Deregulated Industry.

Kwasnicki, Witold: Comparative analysis of selected neo-schumpeterian models of industrial dynamics. Metcalfe, Stan, chair

Yildizoglu, Murat, discussant

Kaniovski, Serguei, discussant

#### **Session 5**

CARLSSON, BO & ELIASSON, GUNNAR: Industrial and Market Dynamics and Endogenous Growth (Invited)

Cusmano, Lucia: European Research Joint Ventures and Innovation: a microeconomic analysis of RJV impact on firms patenting activity.

Kaniovski, Serguei & Michael Peneder: On the Structural Dimension of Competitive Strategy.

Malerba, Franco, chair

Kwasnicki, Witold

Ruprecht, Wilhelm

#### **Session 6**

Ruprecht, Wilhelm: Consumption of sweeteners: An Evolutionary Analysis of Historical Development.

Geels, Frank: Processes and mechanisms in technological transitions.

Klepper, Steven, chair

Carlsson, Bo, discussant

Orsenigo, Luigi, discussant

### **THEME B: PRODUCTION AND USE OF KNOWLEDGE - Parallel sessions 1-6**

#### **Session 1**

CONSTANT, EDWARD: Why evolution is a theory about stability: constraint, causation, and ecology in technological change

Mahdi, Surya S: The Changing Nature of Technological Search Strategy in Innovating Firms: Theory and Evidence From the Agrochemical Sector..

Vinding, Anker Lund: Firms and knowledge institutions: The innovation potential in low-tech sectors and small firms.

Foray, Dominique, chair

Loasby, Brian, discussant

Nightingale, Paul, discussant

### **Session 3**

NIGHTINGALE, PAUL: If Nelson and Winter are Only Half Right About Tacit Knowledge, Which Half? A Reply to David, Foray and Cowan.

D'Adderio, Luciana: Physical Prototypes, Digital Models and 'Translation Routines': How Firms Intergrate Knowledge and Capabilities Across Organisational Boundaries

Murray, Fiona & Henderson, Rebecca: Innovation as overlapping scientific Innovation as overlapping scientific and technological trajectories: exploring biomaterials

Pavitt, Keith, chair

Steinmuller, Ed, discussant

Fontana, Roberto, discussant

### **Session 4**

Connell, Carrol: Continuous Strategy and Risk Analysis in Jardine, Matheson & Company - Adapting to Uncertainty.

Fontana, Roberto: Diffusion "cum Improvement": Technological Change and the Demand for Local Area Networks Equipment.

Jeppesen, Lars Bo: Making Consumer Knowledge Available and Useful: The Case of the Computer Games Industry.

Nightingale, Paul, chair

Lorenzen, Mark, discussant

Costa, Ionara, discussant

### **Session 5**

CORIAT, BENJAMIN: The installation in the United States of a new Regime of Intellectual Property Rights Origins, Content, Problems (Invited)

Costa, Ionara: FDI And Technological Capabilities in the Brazilian Industry.

Thomassen, Mikkel & Lorenzen, Mark: Coordination vs. learning? Activities, information flows, and coordination mechanisms in the Danish construction and furniture industries.

Winter, Sid, chair

Bureth, Antione, discussant

Murray, Fiona, discussant

**THEME C: TECHNICAL CHANGE, PRODUCTION ORGANISATION AND THE FIRM - Parallel sessions 1-6:**

**Session 1**

LORENZ, EDWARD: Routines and Problem-Solving in the Evolutionary Theory of the Firm: Cognitive and Epistemological Foundations.

Valente, Marco: Demand Dynamics with Bounded Rational Buyers and Endogeneous Preferences.

Lasry, Eytan: Architectural Inertia: The Evolution of Technological Systems in the Presence of Network Externalities

Witt, Ulrich, chair

Llerena, Patrick, discussant

Louca, Francisco, discussant

**Session 2**

Sabourin, David & Baldwin, John: Impact of the Adoption of Advanced Information and Communication Technologies on Firm Performance in the Canadian Manufacturing Sector.

Knudsen, Mette Pr<sup>3</sup>/<sub>4</sub>st, Dalum, Bent & Villumsen, Gert: Knowledge Flows, Absorptive Capacity and Geographical Proximity in European Industry.

Giuri, Paola & Bonnacorsi, Andrea: Technical progress, learning and network structure in the aero-engine industry.

Lorenz, Edward, chair

Witt, Ulrich, discussant

Andersen, Poul Houmann, discussant

**Session 3**

LANGLOIS, RICHARD: The Vanishing Hand: the Modular Revolution in American Business. (Invited)

Fai, Felicia: Implications for the Theory of the Firm

Cantwell, John & Noonan, Camilla: Technological Relatedness and Corporate Diversification, 1890-1995.

Llerena, Patrick, chair

Mendonca, Sandro, discussant

Acha, Virginia, discussant

#### **Session 4**

Louca, Francisco & Mendonca, Sandro: Steady Change The 200 Largest US Manufacturing Firms Throughout the Twentieth Century.

Guerrieri, Paolo: ICTs, SMEs networks and the agglomeration externalities.

Andersen, Poul Houmann: Routines in search of organisation: A tale from the Danish Dairy Industry.

Langlois, Richard, chair

Stern, Scott, discussant

Valente, Marco, discussant

#### **Session 5**

LYNN MYTELKA AND PELLEGRIN, JULIE: Can SMEs Survive? Static vs Dynamic Externalities in the French Biotechnology Industry (Invited)

Stern, Scott; Gans, Joshua & David, Hsu, : When Does Start-Up Innovation Spur the Gale of Creative Destruction?

Acha, Virginia & Tunzelmann, G. N: R&D Models: A Fourth Organisational Capability?

Aoki, Mashiko, chair

Guerrieri, Paolo, discussant

Praest, Mette, discussant

#### **Session 6**

Mariotti, Francesca & Delbridge, Rick : UK Managing Portfolios of Ties in Inter-firm Networks.

Manke, Volker: An Evolutionary Perspective on Governance Change: The Process of IT Outsourcing.

Sturgeon, Timothy & Lee Ji-ren: Modular Production Networks: Value Chain Co-Evolution and the Rise of a Shared Supply-base for Electronics Manufacturing.

Dalum, Bent, chair

Andersen, Esben Sloth, discussant

Andersen, Birgitte, discussant

THEME D: ROUTINES, ORGANISATIONAL PRACTISES AND STRATEGIES -  
Parallel sessions 1-6:

**Session 1**

FOSS, NICOLAI J.: The Problem With Bounded Rationality: Ruminations on Behavioral Assumptions in the Theory of the Firm (Invited).

D'Este, Pablo: The distinctive patterns of capabilities accumulation: an analysis of interfirm heterogeneity in the Spanish pharmaceutical industry.

Teece, David, chair

Dosi, Giovanni, discussant

Kaplan, Sarah, discussant

**Session 2**

Greenan, Nathalie & Mairesse, Jacques: Trying to measure organizational change: A first look at a matched employer-employee survey for French manufacturing.

Tether, Bruce & Metcalfe, Stan: Horndal at Heathrow? Learning, Co-operation and Innovation: The Processes of Innovation for Capacity Creation at Europe's most Congested Airports.

Massini, Silvia; Lewin, A. & Pettigrew, A.: Relating Organisational Change to Knowledge Management Practices, Technological Commitment and Competitiveness amongst Large European, US and Japanese Firms.

Foss, Nicolai, J., chair

Teece, David, discussant

Tell, Fredrik, discussant

**Session 3**

CHRISTENSEN, JENS FROESLEV: Incongruities as a source of organizational Renewal in Corporate Management of Innovation and Technology (Invited)

Hatch, Nile W.: Modular Stepping Stones Along the Firm's Technology Path.

Tell, Fredrik: Organizational Capabilities in a Science-Based Industry: Management-Based, Technology-Based, and Market-Based Activities in Electrical Manufacturing.

Marengo, Luigi, chair

Levinthal, Daniel, discussant

Lazaric, Nathalie, discussant

**Session 4**

Milesi, Dario Carlos & Yougel, Gabriel,: Technological and Organizational Capabilities: Their Role in the Development of Competitive Advantages. The Case of Successful Exporting SMEs in Argentina.

Kaplan, Sarah; Murray, Fiona & Henderson, Rebecca: "Discontinuities and Top Management Cognitive Maps: Assessing Recognition and Response in the Case of Biotechnology".

Frenken, Koen: The Use of NK-models in Evolutionary Economics Review, Generalisation, and Future Research.

Christensen, Jens Froeslev, chair

Granstrand, Ove, discussant

Knudsen, Thorbjørn, discussant

### **Session 5**

HELFAT, CONSTANCE & Lieberman Marvin: The Birth of Capabilities: Market Entry and the Importance of Pre-history. (Invited)

Lazaric, Nathalie Deni, Blandine: The problem of changing routines in the face of the effort convention: implementing the ISO 9002 quality standard in the food industry.

Terlaak, Ann & King, Andrew: Do firms get run over by bandwagons? Exploring the diffusion of ISO 9000

Metcalf, Stan, chair

Greenan, Nathalie, discussant

Zollo, Maurizio, discussant

### **Session 6**

Un, Annique: Complements or Substitutes?: The Effect of Organization Communication Routines and Project Team Management Practices on Innovation Capability.

Zollo, Maurizio & Sidney G. Winter: From organizational routines to dynamic capabilities.

Knudsen, Thorbjørn: The Evolutionary Significance of Tacit Knowledge.

Helfat, Constance, chair

Richardson, G. B., discussant

Massini, Silvia, discussant

**THEME E: GROWTH, DEVELOPMENT AND STRUCTURAL CHANGE - Parallel sessions 1-6:**

### **Session 1**

ERNST, DIETER & KIM, LINSU: Global Production Networks, Knowledge Diffusion, and Local Capability Formation: A Conceptual Overview.

Arocena, Rodrigo & Sutz, Judith: Revisiting Nelson and Winter from the South: "learning by solving" in underdeveloped countries.

Miozzo, Marcela & Tylecote, Andrew: Corporate governance and the development of technological capability in less developed countries: East Asia and Latin America compared.

Verspagen, Bart, chair

Carlaw, Kenneth, discussant

Laursen, Keld, discussant

## **Session 2**

Montini, Anna; Cainelli, Giulio & Leoncini Riccardo. : The evolution of industrial sectors in Europe.

Pirich, Amir; Knuckey, Stephen & Campbell, John: An Interface Between Entrepreneurship & Innovation - New Zealand SMEs Perspective .

Tanaka, Nobuo, chair

Verspagen, Bart, discussant

Meliciani, Valentina, discussant

## **Session 3**

SILVERBERG, GERALD: The Discrete Charm of the Bourgeoisie: Quantum and Continuous Perspectives on Innovation and Growth (Invited).

Birchenhall, Chris & Windrum, Paul: Technological diffusion, welfare and growth: modelling technological substitution in the presence of network externalities.

Justman, Moshe: Transition Dynamics of Innovation-Led Growth: A General Equilibrium Approach.

Fagerberg, Jan, chair

Kim, Linsu, discussant

Sutz, Judith, discussant

## **Session 4**

Knottenbauer, Karin: An Evolutionary Framework for Structural Change Analysis.

Possas, Mario L. & Koblitz, A. C.: A Sectoral Evolutionary Model.

Saviotti, Pier Paolo & Pyka, Andreas: Economic development by the creation of new sectors.

Silverberg, Gerald, chair

Fagerberg, Jan, discussant

Pirich, Amir, discussant

## **Session 5**

MASKELL, PETER: Growth and the territorial configuration of economic activity (Invited).

Bejar, Luis E. Arjona: International Trade, Capital Accumulation and Uneven Development.

Caldas, Jose Castro; Godinho, Manuel Mira & Mamede, Ricardo Pais: Simulating the Prospects of Technological Catching Up.

Richard Lipsey, chair

Leoncini, Riccardo, discussant

Justman, Moshe, discussant

### **Session 6**

Laursen, Keld & Meliciani, Valentina: The relative importance of international vis-a-vis national technological spillovers for market share dynamics.

Los, Bart & Verspagen Bart: The Evolution of Productivity Gaps and Specialization Patterns.

Knell, Mark & Rayment, Paul: Structural change in European manufacturing industries and the Kaldor-Verdoorn Law

Maskell, Peter, chair

Possas, Mario L., discussant

Saviotti, Pier Paolo, discussant

## **THEME F: NATIONAL SYSTEMS OF INNOVATION, INSTITUTIONS AND PUBLIC POLICIES - Parallel sessions 1-6:**

### **Session 1**

EDQUIST, CHARLES: Innovation Systems and Innovation Policy: the state of the art. (Invited)

Barantes, Jeffrey, Orozco: Systems of innovation and cleaner technologies in the palm oil sector, Costa Rica.

Gertler, Meric: Tacit Knowledge and the Economic Geography of "Context".

Nelson, Richard, chair

Johnson, Bjoern, discussant

Davis, Lee, discussant

### **Session 2**

Campos, Renato & Ramos Villaschi, Arlindo: From local to national systems of innovation: empirical evidences from the Brazilian case.

Montobbio, Fabio; Mancusi, Maria Louisa & Malerba, Franco: The Determinants Of Technological Specialisation and Its Dynamics.

Szapiro, Marina; Cassiolato, Jose Eduardo; Lastres, Helena M. M. & Vargas, Marco Antonio: Local Systems of Innovation in Brazil, Development and Transnational Corporations: a Preliminary Assessment based on empirical results of a research projec.

Edquist, Charles, chair

Chudnovsky, Daniel, discussant

Lemola, Tarmo, discussant

### **Session 3**

SMITH, KEITH & MYTELKA, LYNN: Innovation Theory and Innovation Policy - Bridging the Gap. (Invited)

Aboites J. & Cimoli M. : Intellectual Property Rights and National Innovation Systems. Some lesson from the Mexican experience.

Davis, Lee: Can the Patent System Continue to Adapt to the Modern Global Knowledge Economy?

Katz, Jorge, chair

Petit, Pascal, discussant

Rickne, Anne, discussant

### **Session 4**

Lemola, Tarmo: National Specificities vs. Pressure towards Convergence in Finnish Science and Technology Policy.

Block, Thorsten: Financial Systems, Innovation and Growth.

Cantner, Uwe: The Case of Twin Peaks in National Income.

Smith, Keith, chair

Cimoli, Mario, discussant

Gertler, Meric, discussant

### **Session 5**

TEUBAL, MORRIS: The Systems Perspective to Innovation and Technology Policy (ITP): Theory and Application to Developing and Newly Industrialized Economies (Invited)

Rickne, Annika: Assessing the Functionality of an Innovation System

Siegel, Donald; Link, Albert N. & Paton, David: Strategic Research Partnerships in the United States: Econometric Evidence from Research Joint Venture Activity.

Soete, chair

Amable, Bruno, discussant

Cassiolato, Jose Eduardo, discussant

**Session 6**

Chudnovsky, Daniel: Innovation activities by manufacturing firms in a more open developing economy: the case of Argentina in the 1990s

Intarakumnerd, Patarapong; Chairatana, Pun-arj; & Tangchitpibul Tipawan: National Innovation System in Less Successful Developing Countries: The Case of Thailand.

Belussi, Fiorenza: The Italian system of innovation: the gradual transition from a weak "mission-oriented" system to a regionalised learning system.

Teubal, Morris, chair

Cantner, Uwe, discussant

Llastres, Helena, discussant

