

Program for the

DRUID Summer Conference 2006 on

KNOWLEDGE, INNOVATION AND COMPETITIVENESS: DYNAMICS OF FIRMS, NETWORKS, REGIONS AND INSTITUTIONS

June 18-20, 2006

at Copenhagen Business School, Solbjerg Plads 3, Frederiksberg, DENMARK

[All papers are available through the DRUID website at http://www2.druid.dk/conferences/papers.php?cf=8]

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Basic format of all paper sessions (plenary as well as parallel)

Each session normally include three papers and lasts about one and a half hours. The standard time schedule looks like this:

- . First paper presentation by the author = 15 minutes
- . Second paper presentation by the author = 15 minutes
- . Third paper presentation by the author = 15 minutes
- . First discussant of all three papers = 12 minutes
- . Second discussant of all three papers = 12 minutes
- . General discussion and replies from the authors = approximately 20 minutes.

Overhead projectors and computer projectors or beamers will be available for PowerPoint presentations. Please bring your presentation on transparencies or on a USB memory device.

Day 1, Sunday, June 18, 2006, Conference Overview

Sunday June 18														
Plenary in BGs01		Ks 43	Ks 48	Ks54	Ks71	K143	K146	K150	3.41	4.41				
A	9.15 – 10.30													
	10.30 - 11.00	Coffee break												
В	11.00 – 12.30	Cognitive Distance and Geography Effects. Chair: Mark Lorenzen Michelle Gittelman: "Does geography matter for science-based firms? Epistemic communities and the geography of research and patenting in biotechnology" Bart Nooteboom: "Network embeddedness and the exploration of novel technologies: technological distance, betweenness centrality and density" (Paper coauthored with Victor Gilsing, Wim Vanhaverbeke, Geert Duysters, Ad van den Oord) Anita M. McGahan: "The effect of Industry and location on Firm Profitability in the Global Market: Empirical Evidence that Firm Performance Depends on the Interaction between Industry Affiliation and Country Identity" (paper coauthored with Rogerio Victer) Discussants: Ron Boschma, Thomas Brenner												
	12.30	Buffet Lunch at Kilen												
С	13.00- 14.30	Poster Session												
D	14.30 – 16.00	1 Search Strategies	Perspectives on Appropriability	3 Clusters – Stability and Dynamics	Regional Clustering and Speciali- sation	5 Innvation and Appro- priation	6 Interfirm relations and alliances	7 Sustain- able Techno- logical Devel- opment	8 Management Skills and Capabilities	9 Learning in Networks				
E	16.15 – 17.45	10 R&D Cooperation	11 Knowledge and Networks	12 Entrepre- neurship	13 Industrial and Structural Dynamics	The Contribution from Users to Innovation	Innovation and Technological Development in Catching-up Economies	16 Patenting	17 Capabilities and Innovation	18 University Research				
F	18.00 – 19.30	19 R&D Cooperation 2	Innovation in Open Source Communities	21 Exploring the Supply- Chain	New Economic Geography and Beyond	Organizing for innovation	Science- industry relations and collaboration	25 Human Capital and Software Deve- lopment	26 Knowledge Linkages in Service Firms	Niches, Clusters and Local Production Systems				
	20.00- 22.00	Dinner at Ovnhallen, Porcelænshaven, CBS												

Day 1, Sunday, June 18, 2006, Conference Details

A Sunday 9.15 – 10.30

Opening of the conference:

9.15- 09.30 Room: BGs01

Peter Maskell, Director of DRUID

Key note: Sid Winter

09.30 -10.30 Room: BGs01 Chair: Ina Drejer

Sid Winter: Replicating Organizational Knowledge: Principles or Templates?

Coffee break 10.30 - 11.00

B Sunday 11.00 – 12.30

Plenary session: Cognitive Distance and Geography Effects

11.00- 12.30 Room: BGs01 Chair: Mark Lorenzen

- **Michelle Gittelman**: "Does geography matter for science-based firms? Epistemic communities and the geography of research and patenting in biotechnology"
- **Bart Nooteboom**: "Network embeddedness and the exploration of novel technologies: technological distance, betweenness centrality and density" (Paper coauthored with Victor Gilsing, Wim Vanhaverbeke. Geert Duvsters. Ad van den Oord)
- Anita M. McGahan: "The effect of Industry and location on Firm Profitability in the Global Market: Empirical Evidence that Firm Performance Depends on the Interaction between Industry Affiliation and Country Identity" (paper coauthored with Rogerio Victer)

Discussants: Ron Boschma, Thomas Brenner

Buffet Lunch 12.30

C Sunday 13.00 – 14.30

Poster Session

- 1. **Abel Lucena** "Analysis of Firms' Choice of External Sources of Knowledge: Matching Firms' Internal Capabilities With External Knowledge Attributes"
- 2. **Alex Coad, Rekha Rao** "As Luck Would Have it: Innovation and Firm Growth in `Complex Technology' Sectors"
- 3. Alexander Cole, Kerstin Press "Making Sense of Buzz: Knowledge Sharing and the Collective Construction of Intermediate Inputs"
- 4. **Alexander Frenzel Baudisch** "Continuous Market Growth Beyond Functional Satiation. Time-series Analyses of US Footwear Consumption, 1955 2002"
- 5. **Andrea Szczesny, Tong Huang, Anke Lenk** "Substitution, Availability and Preferences in Earnings Management Empirical Evidence From China"
- 6. Catherine Thevenard-Puthod, Marie Cattellin, Rachel Bocquet, Jacques Scaraffiotti, William Gentet "The inter-firm Networks in the Mountain Tourism industry: Between Transactions and Competence"
- 7. Concetta Galasso "Multinational Enterprises and Knowledge Spillovers in the Aerospace Cluster of Lazio"
- 8. **Damian Hine** "Knowledge Flows in Networks: Extending Existing Concepts Through the Analogous Application of Circuit theory."

- 9. Fiorenza Belussi, Silvia Rita Sedita "The Management of "events" in the Veneto Performing Music Cluster: Bridging Latent and Permanent Organisations"
- 10. **Fiorenza Belussi**, **Silvia Rita Sedita**, Alessia Sammarra "Learning at the Boundaries Through R&D investments and Network Relationships: the Case of the Life Science Sector in Emilia Romagna"
- 11. **Florian A. Taeube** "Local Clusters, Ethnic Networks and Diversity in Global Knowledge-based industries: An Exploratory Study of Indian IT"
- 12. Frédéric Bougrain "Contractor Manufacturer Linkages: the Driving Role of Contractors"
- 13. **Geneviève Schlink** "What is the Impact of Creativity On the Relationships Between the New Venture and its Financier? the Limits of the information Economic Perspective"
- 14. **Grid Thoma, Stine Grodal** "Cross-pollination in Science and Technology: the Emergence of the Nanobio Subfield"
- 15. **Guido Buenstorf** "Evolution On the Shoulders of Giants: Entrepreneurship and Firm Survival in the German Laser industry"
- 16. **Hagen Worch** "Coordinating Effective Organizational Growth in Entrepreneurial Firms: A Developmental Perspective"
- 17. Joern Block, Philipp Köllinger "Peer Pressure in Network Markets An Empirical investigation"
- 18. **José Hamilton Cipolla, Cavalcanti Marly, Sousa Roberta** "Co-opetition: Cooperation and Competition:"
- 19. Julio Robledo "The Effect of Litigation On intellectual Property and Welfare"
- 20. Kalika N Doloswala "Creativity and Access in Electronic Music: Cracked and Pirated Software instruments"
- 21. **Kari Kristinsson**, **Rao Rekha** "Learning To Grow: A Comparative Analysis of the Wind Energy industry in Denmark and India"
- 22. **Koen Dittrich, Mathijs Huis in 't Veld, Erik Stam** "Sensor Technology in the Netherlands: Collaborating To Turn Knowledge into Innovation?"
- 23. **Konstanze Höchtberger** "Globalisation of ICT Services: Trade, Foreign Direct Investment and Urban Development"
- 24. Letizia Consoli "In Building a 'Knowledge-Based Theory' of the Cluster Firms' Internationalisation"
- 25. **Linda Willemstein, Tessa Van Der Valk, Marius Meeus** "Resource Accumulation and Shifts in Business Models of Dutch Dedicated Biotechnology Firms"
- 26. Ludmila Striukova "Patents and Corporate Value Creation: Theoretical Approach"
- 27. **Markus Perkmann** "Re-evaluating the Territorial Embeddedness of Multi-national Branch Plants: Evidence From the South Tyrol Region in North-East italy"
- 28. Martin Stack, Myles Gartland "Service industry Evolution: the Offshoring of Radiology"
- 29. **Masaru Yarime** "University-industry Collaboration for Creating Innovation Networks: An Analysis of the Development of Lead-free Solders in Japan, Europe and the United States"
- 30. Massimiliano Mazzanti, Susanna Mancinelli, Giovanni Guidetti "Complementarity in Training Practices"
- 31. Mikko Mustonen "Basic Research and the R&D Manager's Incentives"
- 32. Ming-Chang Wu, Chao-Tung Wen, She-wa Wu "The Social Context of Creativity at Third Places:"
- 33. **Ming-Hui Chen, Chia-Wen Chao, Se-hwa Wu** "The Learning Mechanism of Tacit Knowledge Within the Innovative Organizations: the Case of the it industry in Taiwan"
- 34. Nicolai Mariegaard "The Motion Picture industry: Critical issues in Coping With Uncertanty"
- 35. **Pinar Falcioglu, Sedef Akgungor** "Geographical Concentration Patterns and Innovativeness of Turkish Manufacturing industry"
- 36. Ranjita Singh "influence of Uncertainty On Firm's Adoption of a Technical Standard."
- 37. **Rolf Wüstenhagen, Tarja Teppo** "Understanding the Sudden Death Syndrome: Parent Firm Organisational Culture and the Performance of Corporate Venture Capital Funds"
- 38. **Samantha Sharpe, Cristina Martinez-Fernandez** "Measuring Regional Knowledge Resources: What Do Knowledge Occupations Have To offer?"
- 39. Satyasiba Das, Håkon Finne "Innovation and Co-location"
- 40. **Seiko Arai** "Internationalization of R&D Activities: Comparison of Japanese and European Multinational Firms in the United States"
- 41. **Simona Negro**, **Roald Suurs**, **Marko Hekkert** "The Bumpy Road of Biomass Gasification in the Netherlands; Explaining the Rise and Fall of An Emerging Innovation System"
- 42. **Staffan Hultén, Nassef Hmimda** "Social Construction of Technology the Cochlear Implant Innovation Revisited"

- 43. **Steffen Bayer**, **David Gann** "Innovation and the Dynamics of Capability Accumulation in Project-based Organisations"
- 44. Thierry Rayna "itunes Vs. Napster: Selling Or Renting Music Online, Which is the Winner?"
- 45. Xavier Olleros "The Lean Core in Digital Platforms"
- 46. Yen Tran "Industry Dynamics and Leadership Succession: the Case of the Fashion industry"
- 47. **Younghoon Kim, Jeongdong Lee, Sungsang Lee** "The Complementary Financial System for Private-to-private Technology Transfer"
- 48. **Zuoaier M'chirgui** "Structures and Dynamcis of Networked Relationships in the Smart Card Field: Industry and Social Network Analysis"
- 49. **Sojin Lim** "The Effects of Absorptive Capacity and Complementarities on Corporate Venture Capital"

D Sunday 14.30 – 16.00 Parallel Sessions 1

1. Search Strategies

14:30 -16:00 Room: Ks43 Chair: Anker Lund Vinding

- Toke Reichstein, Keld Laursen, Paola Criscuolo, Ammon Salter "The Winning Combination: Search Strategies and Innovative Performance in the Uk"
- Mikko Paananen "I'll Find It Where I Can:exploring the Relationship Between Search and Problems Among Innovators in Finland"
- Thomas Astebro, Xuesong Geng "Finding Partners and Commercializing Inventions"

Discussants: Ron Adner, Carolin Haeussler

2. Perspectives on appropriability

14:30 -16:00 Room: Ks48 Chair: Thomas Brenner

- Emmanuelle Fauchart, Eric Von Hippel "Norms-based Intellectual Property Systems : the Case of French Chefs"
- Liliana Gelabert, Andrea Fosfuri, Josep A. Tribó "Does the Effect of Public Support to R&d Depend on the Degree of Appropriability?"
- Gabriel Yoguel, Analía Erbes, Verónica Robert, José Borello "Diffusion and appropriation of knowledge in different organizational structures"

Discussants: Roberto Fontana, Wesley Marc Cohen

3. Clusters – stability and dynamics

14:30 -16:00 Room: Ks54 Chair: Bent Dalum

- Mario A. Maggioni, Massimiliano Riggi "High-Tech Firms and the Dynamics of Innovative Industrial Clusters"
- Kerstin Press "When Does Defection Pay? The Stability of Institutional Arrangements in Clusters"
- Michael Best, Hao Xie "Discovering Regional Competitive Advantage: Route 128 Vs. Silicon Valley

Discussants: Margaret Dalziel, Örjan Sölvell

4. Regional clustering and specialisation

14:30 -16:00 Room: Ks71 Chair: Michael S. Dahl

- Alessandro Sterlacchini "Innovation, Knowledge and Regional Economic Performances: Regularities and Differences in the EU"
- **Brian Wixted** "The International Spatial Organisation of the Motor Vehicle Production System: Place, Flows, Hierarchy and Evolution"
- Sölvell Örjan, Göran Lindqvist, Christian Ketels "Industrial Specialization and Regional Clusters in the Ten New EU Member States"

Discussants: Heinz Hollenstein, Myriam Abdelmoula

5. Innovation and appropriation

14:30 -16:00 Room: K143 Chair: Tim Kastelle

- Réjean Landry, Malek Saihi, Nabil Amara, Nizar Becheikh "Managing the Protection of Inventions and Technological Innovations in Canadian Manufacturing Smes"
- Poul Houman Andersen, Ina Drejer, Christian Waldstrøm "In the Eye of the Storm Knowledge Appropriation and the Globalization of Regional Competencies in the Wind Turbine Industry"
- Michael Jacobides, Thorbjørn Knudsen, Mie Auger "Benefiting From Innovation: Value Creation, Value Appropriation and the Role of Industry Architectures"

Discussants: Abel Lucena, Kristina Dahlin

6. Interfirm relations and alliances

14:30 -16:00 Room: K146 Chair: Dirk Czarnitzki

- **Pinar Ozcan** "Alliance Portfolios of Entrepreneurial Firms in Nascent Markets: Coevolution With Firm Growth and Competitive Dynamics"
- Michelle Rogan "Too Close For Comfort? The Effect of Competitive Overlap and Relationship Duration on Client Retention Post-acquisition"
- Mikkel Overby, Serden Ozcan "Partner Diversity and Shareholder Value: A Study of High-tech Multifirm Alliances"

Discussants: Brian Silverman, Morten Berg Jensen

7. Sustainable technological development

14:30 -16:00 Room: K150 Chair: Ellen Moors

- Massimiliano Mazzanti, Roberto Zoboli, Anna Montini, Massimiliano Mazzanti "Complementarities, Firm Strategy and Environmental Innovations"
- Mu-yen Hsu "Integrating Environmental Regulation and Technology Policy"
- Floortje Alkemade, Marko Hekkert, Roald Suurs "Strategic Expectations Management For Emergent Sustainable Technologies"

Discussants: Suma Athreye, Maj Munch Andersen

8. Management skills and capabilities

14:30 -16:00 Room: 3.41 Chair: Henrik Sornn-Friese

- Robert Huggins "Universities and Knowledge-based Venturing: Finance, Management and Networks in London"
- Kassa Woldesenbet, John Storey, Graeme Salaman "Top Managers' Knowledge About Strategizing and Capability: A Study in Ethiopia"
- Isabel Bodas Freitas, Nick Von Tunzelmann "Mapping Public Support For Management Capabilities in Firms in A Three-dimensional Space"

Discussants: Deborah Dougherty, Mark Dodgson

9. Learning in networks

14:30 -16:00 Room: 4.41 Chair: Joachim Henkel

- John Hagedoorn, Daniëlle Cloodt, Hans Van Kranenburg "The Strength of R&D Network Ties in High-tech Industries –"
- Robin Cowan "Innovation Networks and the Diffusion of Knowledge"
- Koen Heimeriks "On Differential Learning Effects in Alliance Portfolios"

Discussants: Elisa Giuliani, Gautam Ahuja

E Sunday 16.15 – 17.45 Parallel Sessions 2

10. R&D cooperation 1

16:15 -17:45 Room: Ks43 Chair: Morten Berg Jensen

- Jo Seldeslachts, Tomaso Duso, Enrico Pennings "The Dynamics of Research Joint Ventures: A Panel Data Analysis."
- Alessandro Muscio "The Impact of Absorptive Capacity on SMEs' Collaboration"
- Minjae Song "A Dynamic Analysis of Cooperative Research in the Semiconductor Industry"

Discussants: Anders Ekeland, Koen Dittrich

11. Knowledge and networks

16:15 -17:45 Room: Ks48 Chair: Gautier Duflos

- Mats Lingblad "Market-like Solutions For Accessing Resources Inside Organizations: A Social Network Perspective"
- Gaia Rubera, Andrea Ordanini "Using Structural and Relational Embeddedness to Predict Firms' Imitative Behavior"
- Eva Dantas, Martin Bell "The Development of Firm-Centred Knowledge Networks in Emerging Economies: The Case of PETROBRAS in the Offshore Oil Innovation System in Brazil"

Discussants: Jesper B. Sørensen, Christian Waldstrøm

12. Entrepreneurship

16:15 -17:45 Room: Ks54 Chair: Lars Frederiksen

- Margaret Dalziel "Using the Knowledge Dimension to Explain the Governance of Entrepreneurial Asymmetric Relations"
- **John Mathews** "A Strategic and Evolutionary Perspective on Entrepreneurial Dynamics: Reconciling Schumpeter With Kirzner"
- Carl Reschke "Psychology in Entrepreneurship and Economic Evolution"

Discussants: Pinar Ozcan, Hagen Worch

13. Industrial and structural dynamics

16:15 -17:45 Room: Ks71 Chair: Mette Praest Knudsen

- Jens Frøslev Christensen, Michael Holm Olesen "Complementary Convergence and Industry Evolution - Evidence From It Security"
- Tommaso Ciarli, Riccardo Leoncini, Sandro Montresor, Marco Valente "Technological Competition in Modular Environments"
- Erol Taymaz, Yilmaz Kilicaslan "The Structure of Structural Change"

Discussants: Thorbjørn Knudsen, Gil Avnimelech

14. The contribution from users to innovation

16:15 -17:45 Room: K143 Chair: Elad Harison

- Saurabh Arora, Muge Ozman "Knowledge Creation and Diffusion in User and Producer Networks:"
- Celine Schulz "The Secret to Successful User Communities: An Analysis of Computer Associates' User Groups"
- Keld Laursen, Nicolai J Foss, Torben Pedersen "Organizing to Gain From Interaction With Customers: the Role of Organizational Practices For Absorptive and Innovative Capacities"

Discussants: Joachim Henkel, Jeff Furman

15. Innovation and technological development in catching-up economies

16:15 -17:45 Room: K146 Chair: Markus Perkman

- Cristina Chaminade, Jan Vang-Lauridsen "Innovation Policy For Asian Smes: Exploring Cluster Differences"
- Stephane Robin, Chialin Chang "Estimating the Impact of Innovation on Productivity at the Firm Level: An Application to Taiwan's Manufacturing Industries in the 1990s"
- Arturo Torres-Vargas "Product-market and Technological Direction in the Evolution of Large Business Groups in Mexico"

Discussants: Tim Kastelle, Stan Metcalfe

16. Patenting

16:15 -17:45 Room: K150 Chair: Bruce Tether

- Lee Davis "How Do Small, High-tech Firms Manage the Patenting Process?"
- Alessandro Nuvolari "Inventive Activities, Patents and Early Industrialization: A Synthesis of Research Issues"
- Bettina Peters "Persistence of Innovation: Stylised Facts and Panel Data Evidence"

Discussants: Rufus Pollock, Julio Robledo

17. Capabilities and innovation

16:15 -17:45 Room: 3.41 Chair: Roberto Fontana

- Volker Mahnke "Co-evolution of Contracts and Capabilities"
- George Richardson "Capability and Innovation"
- Brian Loasby "Microfoundations of Capabilities"

Discussants: Richard Langlois, Sid Winter

18. University research

16:15 -17:45 Room: 4.41 Chair: David Gann

- Adela García-Aracil, Marián Pérez-Marin, Antonio Gutiérrez-Gracia "Assessment of the Excellent Research Group Performance"
- **Simcha Jong** "University Organizations and Epistemic Shifts in Science; Cambridge University, Stanford University and the Rise of Molecular Biology"
- Jan Fagerberg, Bart Verspagen "Is There A Community of Innovation Scholars?"

Discussants: Michelle Gittelman, Marc Isabelle

F Sunday 18.00 – 19.30 Parallel Sessions 3

19. R&D cooperation 2

18:00 -19:30 Room: Ks43 Chair: Kristina Dahlin

- Myriam Cloodt, John Hagedoorn, Nadine Roijakkers "Trends and Patterns in Inter-firm R&D Networks in the Global Computer Industry: A Historical Analysis of Major Developments During the Period 1970-1999"
- **Ioanna Kastelli** "The Determinants of Organisational Knowledge Creation in the Context of R&D Cooperation. The Role of Absorptive Capacity."
- Carolin Haeussler "take and Give' Versus 'knowledge Catching' Empirical Analysis of the Management of Knowledge Flows"

Discussants: Enrico Pennings, Aldo Geuna

20. Innovation in open source communities 1

18:00 -19:30 Room: Ks48 Chair: Mark Dodgson

- Richard Langlois, Giampaolo Garzarelli "Of Hackers and Hairdressers: Modularity and the Organizational Economics of Open-source Collaboration"
- Stephen Flowers "Harnessing the Hackers: the Emergence and Exploitation of Outlaw Innovation"
- Linus Dahlander, Martin Wallin "A Man on the Inside: Unlocking Communities as Complementary Assets"

Discussants: Francesco Rullani, Lars Bo Jeppesen

21. Exploring the supply-chain

18:00 -19:30 Room: Ks54 Chair: Rofus Pollock

- Ta-Yi Lin "The Evolution of Supply Chain in Mobile Handset Industry"
- Melika Levelt "Trade Clusters and Value Chains in the Netherlands: the Case of Fashion and Clothing"
- **Federica Saliola** "Power Relationships Along the Supply-chain: Multinational Firms, Global Buyers, and Local Suppliers' Performance"

Discussants: Fiorenza Belussi, Michael Jacobides

22. New Economic geography and beyond

18:00 -19:30 Room: Ks71 Chair: Erol Taymaz

- Thomas Brenner "A Stochastic Theory of Geographic Concentration and the Empirical Evidence in Germany"
- Ron Boschma, Koen Frenken "Applications of Evolutionary Economic Geography"
- Samuel MacAulay, Gordon Boyce "Tuning Innovation Landscapes in the Biotechnology Industry: the Influence of Information Diversity and Network Structure on Innovation Performance"

Discussants: Alessandro Sterlacchini, Jasjit Singh

23. Organizing for innovation

18:00 -19:30 Room: K143 Chair: Eva Boxenbaum

- **Jim Love**, **Stephen Roper** "Organizing Innovation: Complementarities Between Cross-functional Teams"
- **Grazia D. Santangelo, Paolo Pini** "The Underlying Internal Learning Processes of Incremental and Radical Innovations: An Empirical Analysis of the Reggio Emilia Industrial Districts"
- Koen Dittrich, Jan Van Den Ende "Organizational Forms For the Development of New Broadband Services: A Dynamic Model For the Degree of Integration Between Collaborating Firms"

Discussants: Mariacristina Piva, Bettina Peters

24. Science-industry relations and collaboration

18:00 -19:30 Room: K146 Chair: Garrett Upstill

- **John Gabriel Goddard, Marc Isabelle** "How Do Public Laboratories Collaborate With Industry?: New Survey Evidence From France"
- Luis Miotti, Frédérique Sachwald, Julio Raffo "Global Innovation Networks: the Choice of Partners in International Co-operation"
- Rachel Levy, Sandrine Wolff, Pascale Roux "A Study of Science-industry Collaborative Patterns in A Large European University"

Discussants: Réjean Landry, Maria Theresa Larsen

25. Human capital and software development

18:00 -19:30 Room: K150 Chair: Göran Lindqvist

- Ashish Arora, Surendrakumar Bagde "The Indian Software Industry: the Human Capital Story" (Lead Paper)
- **Dirk Fornahl, Guido Buenstorf** "B2c Bubble to Cluster? The Dot.com Boom and Software Entrepreneurship in An East German Region"
- Florian A. Taeube "The Geography of Technology Entrepreneurship: Evidence from the Indian IT Industry"

Discussants: Poul Houman Andersen, Paul Nightingale

26. Knowledge linkages in service firms

18:00 -19:30 Room: 3.41 Chair: Bengt-Åke Lundvall

- Serden Ozcan "Exploration in Board Networks: A Study of US Commercial Bank Interlocks"
- Marcela Miozzo "Services Multinationals and Linkages With Client Firms"
- **Bruce Tether** " Are Services Starved of Research? An Exploration of UK Firms' Innovation Linkages With Specialist Knowledge Providers"

Discussants: Dirk Czarnitzki, Bart Nooteboom

27. Niches, clusters and local production systems

18:00 -19:30 Room: 4.41 Chair: Brian Wixted

- Sandro Montresor, Massimiliano Mazzanti, Paolo Pini "The General Profile of the Outsourcing Firm: Evidence For A Local Production System of Emilia Romagna"
- Christian Ø. R. Pedersen, Bent Dalum "Growth and Evolution of the Danish It Sector: Geographical Concentration, Specialisation, and Diversity"
- Virginia Acha, John Finch "Niche Development in the Upstream Petroleum Industry"

Discussants: David Gann, Michael Best

Dinner 20.00 - 22.00: Ovnhallen

Day 2: Monday, June 19, Conference Overview

Monday June 19												
Plenary in BGs01		S05	S13	S112	S113	S114	S207	S208	S212	S213	S214	
G	9.00 - 10.30	28 Cross- border Know- ledge Coope- ration/ Distribu- ted R&D	29 Diffusion of Know- ledge from Public Research	30 Science- Industry Relations	31 R&D, Technology and Perfor- mance	32 Hetero- geneity and diversity	33 Innovation Strategy	34 The Role of the Market for Innova- tion	35 Technological Activities, Performance and Industry Evolution	36 Closing the Know- ledge Gap	37 Firm Profita- bility	
	10.30 - 11.00	Coffee break, Solbjerg Plads, CBS										
Н	11.00 - 12.30	Entrepreneurship: Processes and Outcomes. Chair: Michael Dahl Jesper B. Sørensen: "Peer effects in entrepreneurship" (Paper coauthored with Ramana Nanda) Ron Adner: "Entry Timing and Performance in Innovation Ecosystems: Evidence from the optical photolithography industry, 1962-2004." (Paper coauthored with Rahul Kapoor) Ivo Zander: "The International Entrepreneurial Dynamics of Accelerated Internationalization" (Paper coauthored with John Mathews) Discussants: Thomas Åstebro, Maureen McKelvey										
	12.30 - 13.15	Lunch, Solbjerg Plads, CBS										
ı	13.15 -14.45	Innovation and changing firm boundaries Chair: Bent Dalum David Mowery: "The Changing structure of inventive activity and process innovation in the global semiconductor industry, 1994-2004" (Paper co-authored with Jeffrey Macher and Alberto de Minin) Gautam Ahuja: "Technology Search Behavior in the Semiconductor Industry." Brian Silverman: "Lateral Dominance and Fringe Benefits: Strategic Dynamics Among Dominant and Fringe Firms" (Paper coauthored with John M. de Figueiredo)										
_	14.45											
	_ 17.30	Renaissance Excursion										
	17.30 - 18.00	Coffee break Solbjerg Plads, CBS										
L	18.00 - 19.30	Panel discussion on SOCIAL NETWORKS Moderator: Virginia Acha Motion: Let it be resolved that this conference believes that social networks play a crucial role in facilitating regional economic development and the emergence and persistence of industrial clusters. Speaking FOR the motion: Olav Sorenson and Jesper B. Sørensen. Speaking AGAINST the motion: Alfonso Gambardella and Scott Stern									nal	
	20.00 - 24.00	Conference Dinner at Dalgas Have, CBS										

Day 2: Monday, June 19, Conference Details

G Monday 9.00 - 10.30 Parallel Sessions 4

28. Cross-border knowledge cooperation/distributed R&D

09:00 -10:30 Room: S05 Chair: Ron Boschma

- **Heinz Hollenstein, Spyros Arvanitis** "Determinants of R&d Activities of Swiss Firms at Foreign Locations. An Empirical Analysis Based on Firm-level Data"
- Jasjit Singh "Distributed R&D, Cross-regional Ties and Quality of Innovative Output"
- Larissa Rabbiosi, Lucia Piscitello "How Does Knowledge Transfer From Foreign Subsidiaries Affect Parent Companies' Innovative Capacity?"

Discussants: Ivo Zander, Volker Mahnke

29. Diffusion of knowledge from public research

09:00 -10:30 Room: S13 Chair: Erik Baark

- Aldo Geuna, Gustavo Crespi, Bart Verspagen "University IPRs and Knowledge Transfer. Is the IPR Ownership Model More Efficient?"
- **Fabio Montobbio** "Knowledge Diffusion From University and Public Research. A Comparison of Us, Japan and Europe Using Patent Citations"
- Finn Valentin, Rasmus Berg Jensen "Effects on academia-industry collaboration of extending university property rights"

Discussants: Jesper Lindgaard Christensen, David Mowery

30. Science-industry relations

09:00 -10:30 Room: S112 Chair: Lee Davis

- Andrew Toole, Dirk Czarnitzki "Biomedical Academic Entrepreneurship: Faculty Characteristics and Firm Outcomes in the SBIR Program"
- Maria Theresa Larsen, Nick Von Tunzelmann "Non-market Failure: the Role of Public Science in the Development of Generic Technology."
- **Jeff Furman** "Early Academic Science and the Birth of Industrial Research Laboratories in the US Pharmaceutical Industry"

Discussants: Stephen Roper, Georg Metzger

31. R&D, technology and performance

09:00 -10:30 Room: S113 Chair: Henrik Sorn-Friese

- Rufus Pollock "Cumulative Innovation, Sampling and the Hold-up Problem"
- Koson Sapprasert "The Impact of ICT on the Growth of the Service Industry"
- Johan Hauknes "The Scandinavian Miracle Economic Growth on the Scandinavian Peninsula in the 20th Century"

Discussants: Marcela Miozzo, Cees van Beers

32. Heterogeneity and diversity

09:00 -10:30 Room: S114 Chair: Line Gry Knudsen

- Alexander Frenzel Baudish "Consumer Heterogeneity Evolving from Social Group Dynamics. Latent Class Analyses of German Footwear Consumption 1981-1990"
- Margret Sigurdardottir "Co-existence of Institutional Logics Empirical Study of Music Industry"
- Kristina Dahlin, You-ta Chuang "Closer or More Apart? Organizational (dis)similarity in the U.s Tennis Racket Industry and the Ontario Hospital Sector"

Discussants: Eva Boxenbaum, Anita McGahan

33. Innovation strategy

09:00 -10:30 Room: S207 Chair: Celine Schulz

- Daniela Grieco "Degree of Innovativeness and Market Structure: A Model"
- Andrea Conte, Marco Vivarelli "One or Many Knowlege Production Functions? Mapping Innovative Activity Using Microdata"
- Marcia Romanelli, Myriam Mariani ""Stacking" or "Picking" Patents? The Inventors' Choice Between Quantity and Quality"

Discussants: Guido Buenstorf, Toke Reichstein

34. The role of the market for innovation

09:00 -10:30 Room: S208 Chair: Andrea Ordanini

- Grid Thoma "Striving For A Large Market: Evidence From A General Purpose Technology in Action"
- Mariacristina Piva, Marco Vivarelli "Is Demand-pulled Innovation Equally Important in Different Groups of Firms?"
- **Erol Taymaz**, **Gerard Ballot**, **Gunnar Eliasson** "The Role of Commercialization Competence in Endogenous Economic Growth"

Discussants: Jim Love, Minjae Song

35. Technological activities, performance and industry evolution

09:00 -10:30 Room: S212 Chair: Koen Dittrich

- Sandro Mendonca, Felicia Fai "Big Business and the Changing Knowledge Landscape: Decomposing Corporate Technological Performance at the Turbulent Twilight of the Twentieth Century"
- Stine Grodal "The Emergence of New Industries"

Discussants: Michelle Rogan, Grazia D. Santangelo

36. Closing the knowledge gap

09:00 -10:30 Room: S213 Chair: Alessandro Sterlacchini

- Mark Dodgson, John Mathews, Mei-Chih Hu, Tim Kastelle "The Changing Nature of Innovation Networks in Taiwan: From Imitation to Innovation?"
- Fulvio Castellacci "Convergence and Divergence Among Technology Clubs"

Discussants: Myriam Cloodt, Alessandro Nuvolari

37. Firm profitability

09:00 -10:30 Room: S214 Chair: Samantha Sharpe

- **Guilio Bottazzi, Angelo Secchi, Federico Tamagni** "Productivity, Profitability and Financial Fragility: Evidence from Italian Business Firms"
- Suma Athreye, Pari Patel "Internationalisation of Technology and the Market Value of Large Firms"
- Franco Malerba, Stefano Breshci, Lorenzo Cassi "Knowledge Search and Recombination Though R-D Alliances: Evidence From Electronics Industry"

Discussants: Camilla Josephson, Samuel MacAulay

Coffee break 10.30 - 11.00

H Monday 11.00 - 12.30

Plenary session: Entrepreneurship: Processes and Outcomes

11.00- 12.30 Room: BGs01 Chair: Michael Dahl

- Jesper B. Sørensen: "Peer effects in entrepreneurship" (Paper co-authored with Ramana Nanda)
- Ron Adner: "Entry Timing and Performance in Innovation Ecosystems: Evidence from the optical photolithography industry, 1962-2004." (Paper coauthored with Rahul Kapoor)
- Ivo Zander: "The International Entrepreneurial Dynamics of Accelerated Internationalization" (Paper coauthored with John Mathews)

Discussants: Thomas Astebro, Maureen McKelvey

Lunch 12.30 - 13.15

I Monday 13.15 – 14.45

Plenary session: Innovation and Changing Firm Boundaries

13.15 - 14.45: Room: BGs01 Chair: Bent Dalum

- **David Mowery**: "The Changing structure of inventive activity and process innovation in the global semiconductor industry, 1994-2004" (Paper co-authored with Jeffrey Macher and Alberto de Minin)
- Gautam Ahuja: "Technology Search Behavior in the Semiconductor Industry."
- **Brian Silverman**: "Lateral Dominance and Fringe Benefits: Strategic Dynamics Among Dominant and Fringe Firms" (Paper coauthored with John M. de Figueiredo)

Discussants: Bruce Tether, Ammon Salter

RENAISSANCE EXCURSION 14.45 - 17.30

Coffee break 17.30 - 18.00

J Monday 18.00 – 19.30

Panel discussion on SOCIAL Networks Moderator: Virginia Acha

18.00 - 19.30 Room: BGs01

Motion: Let it be resolved that this conference believes that social networks play a crucial role in facilitating regional economic development and the emergence and persistence of industrial clusters.

Speaking FOR the motion: Olav Sorenson and Jesper B. Sørensen. Speaking AGAINST the motion: Alfonso Gambardella and Scott Stern

CONFERENCE DINNER 20.00 - 24.00: Dalgas Have

Day 3: Tuesday, June 20, Conference Overview

Tuesday June 20												
	enary in 3Gs01	S05	S13	S112	S113	S114	S207	S208	S212	S213	S214	
К	9.00 - 10.30	38 Perspectives on Creative Destruction	39 Economic develop- ment/- cathching up	Innovation in Open Source Communities 2	Applications of Evolutionary Economics	Innovation and Tech- nology Dynamics	Entrepre- neurship and Growth	Perspectives of Strategy	45 Deter- minants of produc- tivity – from micro to macro	A6 A Regional Perspe- ctive on Innova- tion	Know- ledge access and spillovers	
	10.30 - 11.00	Coffee break Solbjerg Plads, CBS										
L	11.00 - 12.30	IPR, Standard Setting and Innovation. Chair: Lee Davis Scott Stern: "Does Formal Intellectual Property Impact the Market for Scientific Collaboration?: Evidence from Patent-Paper Pairs" (Paper coauthored with Fiona Murray) Wesley Cohen: "View from the Bench: Patents, licensing and upstream biomedical innovation" (Paper coauthored with John Walsh and Charlene Cho) Aija Leiponen: "Cooperative standard-setting strategies in wireless telecommunications" Discussants: Robin Cowan, Andrea Fosfuri										
	12.30 - 13.30	Lunch Solbjerg Plads, CBS										
М	13.30 - 15.00	Panel discussion on USERS and INNOVATION Moderator: Ammon Salter Motion "Let it be resolved that this conference believes that users are the primary source of innovations in the economy and therefore the central role of business firms is to enable and harness these users' innovations rather than trying to innovate for them." Speaking FOR the motion: Dietmar Harhoff and Lars Bo Jeppesen. Speaking AGAINST the motion: Deborah Dougherty and Gautam Ahuja										
	15.00 - 15.30	Coffee break Solbjerg Plads, CBS										
N	15.30 - 17.00	Innovation and Learning Processes in Pharmaceuticals. Chair: Keld Laursen Ashish Arora: "Innovative and Selective Capabilities in Pharmaceutical R&D" (Paper coauthored with Alfonso Gambardella-, Laura Magazzini, and Fabio Pammolli) Deborah Dougherty: "Learning for Innovation in Science-Based Industries. The Case of Pharmaceutical Drug Discovery" (Paper coauthored with Danielle D. Dunne) Angelo Secchi, Giulio Bottazzi "Gibrat's Law and Diversification" Discussants: Bo Carlsson										
	17.00 - 17.15	Closing of the Conference										

Day 3: Tuesday, June 20, Conference Details

K Tuesday 9.00 - 10.30 Parallel Sessions 5

38. Perspectives on creative destruction

09:00 -10:30 Room: s05 Chair: Cristina Chaminade

- Esben Sloth Andersen, Michael S. Dahl, Bengt-Åke Lundvall, Toke Reichstein "Schumpeter's Process of Creative Destruction and the Scandinavian Systems: A Tale of Two Effects"
- Gautier Duflos "Persistence of Innovation, Technological Change and Quality-adjusted Patents in the Us Pharmaceutical Industry"
- Mayren Polanco Gaytan, J. Stanley Metcalfe "Understanding Creative Destruction in the Mexican Economy. An Adaptive Endogenous Growth"

Discussants: Riccardo Leoncini, Fulvio Castellacci

39. Economic development/cathching up

09:00 -10:30 Room: s13 Chair: Jennifer Whyte

- Martin Berger, Javier Revilla Diez "How Transnational Corporations Foster National Innovation Systems Qualitative Insights From Thailand's Automotive and Hard Disk Drive Industries"
- **Michiko lizuka** "Catching Up Through Collective Capability: Globalization and Standards in the Salmon Farming Industry in Chile"
- Paulo N Figueiredo "Motion or Inertia, Decades or Years? Research on 'dynamics' (rate) of Technological Capability Building in the Context of Late Industrialisation: Time to Move Forward? Evidence From Empirical Studies in Brazil"

Discussants: John Mathews, Arturo Torres-Vargas

40. Innovation in open source communities 2

09:00 -10:30 Room: s112 Chair: Francesco Rullani

- Lars Frederiksen "User Communication Driving Firm Innovation: A Communication Patterns Perspective on Personal Attributes and Communication Types in A User Community. Lessons From the Software Music Instrument Industry"
- Andrea Bonaccorsi, Monica Merito, Lucia Piscitello, Cristina Rossi "The "Open Innovation"
 Paradigm. How Firms Do Business Out of Open Source Software"
- Joachim Henkel "The Jukebox Mode of Innovation"

Discussants: Linus Dahlander, Celine Schulz

41. Applications of evolutionary economics

09:00 -10:30 Room: s113 Chair: Alessandro Nuvolari

- Tim Kastelle, John Steen, Peter Liesch "Measuring Globalisation: An Evolutionary Economic Approach to Tracking the Evolution of International Trade"
- **Gil Avnimelech, Morris Teubal** "Evolutionary Innovation and Technology Policy: A Four Phase Cycle Model"
- Anders Ekeland, Johan Hauknes "Perfect Competition or Perfect Stagnation?"

Discussants: Erol Taymaz, Carl Reschke

42. Innovation and technology dynamics

09:00 -10:30 Room: s114 Chair: Dirk Fornahl

- Tessa Van Der Valk, Ellen Moors, Marius Meeus "Patterns of Technology Dynamics in Dutch Biotechnology Firms"
- Jochen Markard, Bernhard Truffer "Actor Oriented Analysis of Innovation Systems: Findings From A Case Study on Stationary Fuel Cells"
- Jesper Lindgaard Christensen "Innovation and the Contributions From Venture Capital"

Discussants: Sandro Montresor, Finn Valentin

43. Entrepreneurship and growth

09:00 -10:30 Room: s207 Chair: Felicia Fai

- Georg Metzger "Ingredients of Growth Accounting: Is Entrepreneurial Experience Rich in Substance?"
- Max Keilbach "Entrepreneurship and R&D in A Generalized Endogenous Growth Model"
- **Bo Carlsson, Zoltan Acs, David Audretsch, Pontus Braunerhjelm** "The Knowledge Filter, Entrepreneurship, and Economic Growth

Discussants: Aija Leiponen, Scott Stern

44. Perspectives of strategy

09:00 -10:30 Room: s208 Chair: Mariacristina Piva

- Nicoletta Corrocher, Roberto Fontana "Objectives, Obstacles and Drivers of ICT Adoption. What Do It Managers Perceive?"
- Eva Boxenbaum, Jean-Pascal Gond "Cross-national Transfer of Business Practices: Microstrategies of Contextualization"
- Marc Tiri, Ludo Peeters, Gilbert Swinnen "Are innovation patterns in manufacturing and services converging? A multivariate analysis of CIS-3 data for the Flemish business sector"

Discussants: Brian Loasby, Elad Harison

45. Determinants of productivity – from micro to macro

09:00 -10:30 Room: s212 Chair: Ina Dreier

- Camilla Josephson "The Dynamics of Knowledge Accumulation and Productivity Growth in Swedish Manufacturing Industries 1952-2001"
- Karin Hoisl "Tracing Mobile Inventors the Causality Between Inventor Mobility and Inventor Productivity"
- Camilla Lenzi "Workers' Innovative Productivity and Job Mobility. Evidence From A Survey of Italian Inventors"

Discussants: Jan Fagerberg, Gaia Rubera

46. A regional perspective on innovation

09:00 -10:30 Room: s213 Chair: Aimilia Protogerou

- Philip Cooke "State, Markets & Networks in Knowledge Economy Value Chains"
- Anabel Marin, Martin Bell "The Local/Global Integration of MNC subsidiaries and their Technological Behaviour: Argentina in the Late 1990s"
- Cees Van Beers "On the Marshall-Jacobs Controversy: It Takes Two to Tango"

Discussants: Stephane Robin, Maryann Feldman

47. Knowledge access and spillovers

09:00 -10:30 Room: s214 Chair: Anker Lund Vinding

- Laura Magazzini, Fabio Pammolli, Massimo Riccaboni "Technological Competition, Value Creation, and Patent Citations in Pharmaceutical Research"
- Myriam Abdelmoula, Georges Bresson "Spatial and Technological Spillovers in European Patenting Activities: A Dynamic Count Panel Data Model"
- Elisa Giuliani "Do Your Neighbours Matter? A Study on the Innovative Performance of Firms in Wine Clusters"

Discussants: Fabio Montobbio, Serden Ozcan

Coffee break 10.30 - 11.00

L Tuesday 11.00 – 12.30

Plenary session: IPR, Standard Setting and Innovation

11.00- 12.30 Room: BGs01 Chair: Lee Davis

- **Scott Stern**: "Does Formal Intellectual Property Impact the Market for Scientific Collaboration?: Evidence from Patent-Paper Pairs " (Paper coauthored with Fiona Murray)
- Wesley Cohen: "View from the Bench: Patents, licensing and upstream biomedical innovation" (Paper coauthored with John Walsh and Charlene Cho)
- **Aija Leiponen**: "Cooperative standard-setting strategies in wireless telecommunications" *Discussants*: Robin Cowan, Andrea Fosfuri

Lunch 12.30 - 13.30

M Tuesday 13.30 – 15.00

Panel Discussion on USERS and INNOVATION Moderator: Ammon Salter

13.30 - 15.00 Room: BGs01

Motion "Let it be resolved that this conference believes that users are the primary source of innovations in the economy and therefore the central role of business firms is to enable and harness these users' innovations rather than trying to innovate for them."

Speaking FOR the motion: Dietmar Harhoff and Lars Bo Jeppesen. Speaking AGAINST the motion: Deborah Dougherty and Gautam Ahuja

Coffee break 15.00 - 15.30

N Tuesday 15.30 – 17.00

Plenary session: Innovation and Learning Processes in Pharmaceuticals

15.30 - 16.30 Room: BGs01 Chair: Keld Laursen

- Ashish Arora: "Innovative and Selective Capabilities in Pharmaceutical R&D" (Paper coauthored with Alfonso Gambardella-, Laura Magazzini, and Fabio Pammolli)
- **Deborah Dougherty**: "Learning for Innovation in Science-Based Industries. The Case of Pharmaceutical Drug Discovery" (Paper coauthored with Danielle D. Dunne)
- Angelo Secchi, Giulio Bottazzi "Gibrat's Law and Diversification"

Discussant: Bo Carlsson

Closing of the Conference 17.00 – 17.15

Conference Organizers

Ina Drejer, Keld Laursen, Peter Maskell (chair)

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