

Danish Research Unit for Industrial Dynamics

Programme for DRUID's Conference on National Innovation Systems, Industrial Dynamics and Innovation Policy, Rebild, June 9-12, 1999

Last update: 9 June 99

Introductory note to the programme:

Most of the conference papers are available in the two volumes of the Conference Proceedings. Some papers are distributed separately (including four papers that have been more or less misprinted in the Conference Proceedings). Nearly all the papers can also be [downloaded](#). For personal reasons Bernard Guilhon and Bart Nooteboom will not be able to present their papers (included in the Conference Proceedings), so these papers have been removed from the conference programme.

The location of the individual conference activities:

- Plenary sessions: Large auditorium [LA]
- Parallel sessions 1: Small auditorium [SA]
- Parallel sessions 2: Conference Room F3
- Parallel sessions 3: Conference Room F2
- Conference secretariat: Conference Room G12.
Opening hours include Thursday 10:30 - 13:00 and Friday 10:30 - 13:00

Standard structure for a standard session of 1 1/2 hour:

- Introductory remarks from the session leader
- Presentation of three papers. For each paper there is 12-15 minutes for presentation
- Comments from discussants, about 10 minutes for each
- Comments from the audience, 10-15 minutes
- Replies from the authors, max. 5 minutes for each

The session leaders might make deviations from this standard structure. However, it is obvious that it is not easy for the participants to shop around during the parallel sessions.

Wednesday, 9 June

15:00 - 16:00 # Arrival and registration

- Most participants will arrive with a bus from the Aalborg University or Aalborg Airport, organised by DRUID. The bus leaves from Aalborg University, Fibigerstraede 2, at 13:30, from the airport at 14:30, and from the railway station at about 15:00. For others, see the page on the [location of the conference site](#).
- When registering at the conference hotel, you will get the conference proceedings, the final programme, etc.
- During the conference (but before 1 o'clock on Friday) all participants who have their travel expenses partly or fully covered by DRUID are requested to contact the DRUID conference secretariat in room G12. They **have to** make a preliminary statement of their expenses. The opening hours of the secretariat include Thursday 10:30 - 13:00 and Friday 10:30 - 13:00. The final statement and the reimbursement will take place after the conference. Danish DRUID members without special travelling arrangements can ignore this request.

16:00 - 16:30 # Coffee

16:30 - 18:15 # Plenary session I: Opening and introduction [LA]

- Chair: Peter Maskell
- Introduction to the problems and topics of the conference, Bengt-Åke Lundvall, Director of DRUID
- The concrete goals and organisation of the conference, Esben S. Andersen (DRUID)
- Poul Skovgaard (Chairman of the Danish Business Development Council): Using a System Approach when Designing Innovation Policy - the Danish Experience
- Bo Carlsson (Chairman of the advisory board of DRUID), Staffan Jacobsson, Magnus Holmen & Annika Rickne: Innovation Systems: Analytical and Methodological Issues [Proceedings, Vol. I]
- Plenary discussion defining the main tasks of the conference

18:30 - 20:15 # Dinner

20:30 - 21:30 # Plenary session II: Innovation systems in North and South [LA]

- Chair: Lynn K. Mytelka. Discussant: Franco Malerba
- Keith Smith: Innovation, Growth and Industrial Structure: Issues for Policy [Separately distributed paper]
- Rodrigo Arocena & Judith Sutz: Looking at National Systems of Innovation from the South [Proceedings, Vol. I]

Thursday, 10 June

7 - 9 # Breakfast

9:00 - 10:30 # Parallel sessions A

A.1: National Innovation Systems in Developing Countries I [SA]

- Chair: Dieter Ernst. Discussants: Bjørn Johnson & José Cassiolato
- Shulin Gu: Concepts and Methods of NIS Approach in the Context of Less-developed Economies [Proceedings, Vol. I]
- J.Y.Choung, H.R.Hwang & H.Y.Hwang: Co-evolution of technology and institution in the developing countries [Proceedings, Vol. I]
- Klaus Lindegaard & Leiner Vargas: Are the Central American Export Specialisation Patterns "Sticky"? - The National Systems of Innovation Approach [Separately distributed paper]

A.2: Interindustry and Interfirm Linkages within National Innovation Systems I [F3]

- Chair: Esben S. Andersen. Discussants: Rajneesh Narula & Bart Verspagen
- Keld Laursen & Valentina Meliciani: The Importance of Technology Based Inter-Sectoral Linkages for Market Share Dynamics [Proceedings, Vol. I]
- Ina Drejer: Technological Interdependence in National Systems of Innovation: An International Comparison of Embodied R&D Linkages [Proceedings, Vol. I]
- Juliana Hsuan: Modularization in New Product Development: A Mathematical Modeling Approach [Proceedings, Vol. I]

A.3: Organizational Learning within Innovation Systems [F2]

- Chair: Peter Maskell. Discussants: Brian Loasby & Kenneth Jørgensen
- Alice Lam: Tacit Knowledge, Organisational Learning and Societal Institutions: An Integrated Framework [Proceedings, Vol. I]
- Allan Næs Gjerding: The evolution of the flexible firm. New concepts and a Nordic comparison [Proceedings, Vol. I]

10:30 - 11:00 # Coffee**11:00 - 12:30 # Parallel sessions B****B.1: National Innovation Systems in Developing Countries II [SA]**

- Chair: Dieter Ernst. Discussants: Judith Sutz & Shulin Gu
- Scott Tiffin: Applying the Learning and Innovation System Paradigm To Design an IDRC Research Funding Program in Latin America [Proceedings, Vol. I]
- Poh-Kam Wong: National Innovation Systems for Rapid Technological Catch-up: An analytical framework and a comparative analysis of Korea, Taiwan and Singapore [Proceedings, Vol. I]
- José Cassiolato & Helena M.M. Lastres: Local, National and Regional Systems of Innovation in the Mercosur [Proceedings, Vol. I]

B.2: Interindustry and Interfirm Linkages within National Innovation Systems II [F3]

- Chair: Esben S. Andersen. Discussants: Allan Næs Gjerding & Poul Houman Andersen
- Chris DeBresson: An Entrepreneur Cannot Innovate Alone: Networks of Enterprises

- are Required [Proceedings, Vol. I]
- Anker Lund Vinding & Preben Sander Kristensen: Importance of collaboration partners in product development [Proceedings, Vol. I]
- Jane Marceau: Dancing the Tango: First results of the DISKO study of Interfirm Collaboration in Australia [Separately distributed paper]

B.3 The Wider Environment of Innovation Systems [F2]

- Chair: Björn Johnson. Discussants: Birgitte Gregersen & Keith Pavitt
- Barry Bozeman, Michael Crow & Chris Tucker: Federal Laboratories and Defense Policy in the U.S. National Innovation System [Proceedings, Vol. I]
- Raykun R. Tan: Environment, Critical Success Factor, Strategic Response, and Firm Size/R&D Intensity: An Exploratory Firm Level Study of the Electrical and Electronic Industry in Taiwan [Separate paper; a misprinted version is found in Proceedings, Vol. I]

12:45 - 14:00 # Lunch

14:00 - 16:00 # Guided walk through "Rebild Bakker"

- There is a chance of a guided tour in the quite hilly and beautiful heather and woodlands of Rebild Bakker and Rold Forest just at the doorsteps of the hotel, see the page on the [location of the conference site](#). The guide is Karin Kaldahl. In the case of heavy rain some of the presentation will take place in the Large Auditorium.

16:00 - 16:30 # Coffee

16:30 - 18:15 # Plenary session III: Different perspectives [LA]

- Chair: Bo Carlsson. Discussants: Jorge Niosi & Birgitte Andersen
- Bengt-Åke Lundvall & Jesper Lindgaard Christensen: Extending and Deepening the Analysis of Innovation Systems - with Empirical Illustrations from the DISKO Project [Separately distributed paper]
- Patrick Llerena and Mireille Matt: Technological Cooperation and Dynamic Performance of Industries: Towards an Evolutionary Foundation of Technology Policies [Proceedings, Vol. II]
- Michael Storper & Yun-chung Chen: Globalization, Localization, and Knowledge Flows [Separately distributed paper]
- General discussion

18:30 - 20:15 # Dinner

20:30 - 21:30 # Plenary session IV: Patents and systems of firms [LA]

- Chair: Bent Dalum. Discussant: Finn Valentin & Mette Præst
- Bart Verspagen: The Role of Large Multinationals in the Dutch Technology Infrastructure: A Patent Citation Analysis [Proceedings, Vol. II]
- Pari Patel & Keith Pavitt: National Systems of Innovation under Strain: The

Internationalisation of Corporate R & D [Proceedings, Vol. II]

Friday, 11 June**7 - 9 # Breakfast****9:00 - 10:30 # Parallel sessions C****C.1: Knowledge, Learning and Institutions I [SA]**

- Chair: Alice Lam. Discussants: G.B. Richardson & Jens Frøslev Christensen
- Birgitte Andersen & Ian Miles: Complex Socio-Economic Distributed Innovation Systems in The Knowledge-Based Service Economy: The Music Industry [Separate paper; a misprinted version is found in Proceedings, Vol. II]
- John Mathews: From National Innovation Systems to National Systems of Economic Learning: The Case of Technology Diffusion Management in East Asia [Proceedings, Vol. II]

C.2: Issues of Growth and Industrial Renewal I [F3]

- Chair: Stan Metcalfe. Discussants: Bruno Amable & Tarmo Lemola
- Esben Sloth Andersen: National Innovation Systems in the Context of Multisectoral Growth and Development [Proceedings, Vol. II]
- Franco Malerba: Sectoral Systems of innovation [Separately distributed paper]
- Pier Paolo Saviotti: Growth, production and qualitative change [Proceedings, Vol. II]

C.3: Globalisation and the National Innovation Systems [F2]

- Chair: Lynn K. Mytelka. Discussants: Staffan Jacobsson & Jon Sigurdson
- Dieter Ernst: How Globalization Reshapes the Geography of Innovation Systems: Reflections on Global Production Networks in Information Industries [Separately distributed paper]
- Lynn Mytelka: Globalization and investment: A learning and innovation perspective [Separately distributed paper]

10:30 - 11:00 # Coffee**11:00 - 12:30 # Parallel sessions D****D.1: Knowledge, Learning and Institutions II [SA]**

- Chair: Alice Lam. Discussants: Patrick Llerena & Maj Munk Andersen
- Jorge Niosi: National Systems of Innovation are x-efficient [Proceedings, Vol. II]
- Frank Skov Kristensen: The Performance of Different Organisations under Different Market Conditions: An Empirical Analysis of the Organisational Structure and Performance of 1900 Danish Firms [Proceedings, Vol. II]
- Olman Segura: Systems of Innovation and Learning from Natural Capital [Proceedings,

Vol. II]

D.2: Issues of Growth and Industrial Renewal II [F3]

- Chair: Stan Metcalfe. Discussants: Benjamin Coriat & Morris Teubal
- Staffan Jacobsson, Cecilia Sjöberg & Marie Wahlström: Alternative specifications of the institutional constraint to economic growth - or why is there a shortage of computer and electronic engineers and scientist in Sweden? [Proceedings, Vol. II]
- Tarmo Lemola & Christopher Palmberg: Innovations and Industrial Renewal in Finland: Back to Basics in Innovation Studies [Proceedings, Vol. II]
- Keld Laursen, Volker Mahnke & Per Vejrup-Hansen: The Process of Firm Growth From a Knowledge Structure Perspective [Proceedings, Vol. II]

D.3: Regional Approaches to Innovation Systems [F2]

- Chair: Michael Storper. Discussants: Mark Lorenzen & Chris DeBresson
- Aadne Cappelen, Jan Fagerberg & Bart Verspagen: Lack of regional convergence [Separate paper; a misprinted version is found in Proceedings, Vol. I]
- Bent Dalum, Magnus Holmén, Staffan Jacobsson, Mette Præst, Annika Rickne & Gert Villumsen: Changing the Regional System of Innovation [Separate paper; a misprinted version is found in Proceedings, Vol. I]
- Gerd Schienstock: Regional Competitiveness, Co-operation and Innovation: A Comparative Study of Eight European Regions [Proceedings, Vol. I]

12:45 - 14:00 # Lunch**14:00 - 16:00 # Plenary session V: Institutions and growth [LA]**

- Chair: Bengt-Åke Lundvall. Discussants: Jan Fagerberg & Pier Paolo Saviotti
- Bruno Amable & Pascal Petit: On Institutions, Innovation and Growth [Proceedings, Vol. II]
- Stan Metcalfe: Competitive and Comparative Advantage: (Rough) Notes Toward an Evolutionary Approach to Growth and Foreign Trade [Separately distributed paper]
- Esben S. Andersen & Morris Teubal: The Transformation of Innovation Systems: Towards a Policy Perspective [Proceedings, Vol. II. An additional paper will not be presented but is available as a separately distributed paper - Esben Andersen and Morris Teubal: High Tech Cluster Creation and Cluster Re-configuration - A Systems and Policy Perspective]
- General discussion

16:00 - 16:30 # Coffee**16:30 - 18:00 # Plenary session VI: Microfoundations [LA]**

- Chair: Michael Storper. Discussants: Pascal Petit & Gerd Schienstock
- Robin Cowan, Paul A. David & Dominique Foray: The explicit economics of knowledge codification and tacitness [Proceedings, Vol. II]
- Benjamin Coriat & Olivier Weinstein: Organization and Institutions in the Innovation Generation - Towards a theory of "Corporate Systems of Innovation" [Separately

- distributed paper]
- General discussion

18:30 - 22:00 # Conference dinner

- After the dinner the Rebild Fiddlers, based in the [Rebild Fiddlers' Museum](#), will tell about their art and entertain. Leader: Niels Jørgen Østergaard

Saturday, 12 June

7 - 9 # Breakfast

9:00 - 10:30 # Plenary session VII: Knowledge and policy [LA]

- Chair: Bo Carlsson. Discussants: Keith Smith
- Richard R. Nelson: Knowledge and Innovation Systems [Proceedings, Vol. II]
- Charles Edquist, Innovation Policy - A Systemic Approach [Proceedings, Vol. II]
- General discussion

10:30 - 11:00 # Coffee

11:00 - 12:30 # Plenary session VIII: The further research agenda [LA]

- Chair: Esben S. Andersen
- Introduction to round table and general discussion by Bengt-Åke Lundvall
- Round table: Charles Edquist, Jan Fagerberg, Lynn K. Mytelka, Bengt-Åke Lundvall, & Richard R. Nelson
- General discussion

12:45 - 14:00 # Lunch

14:00 - 15:00 # Departure

- Checkout from your room should be made before 11:00.
- Bus to the airport departs from the hotel Saturday at 15:00.
- Some of the participants will be staying until Sunday. On Sunday a bus to the airport departs from the hotel at 15:30.
- After the conference there is a separately organised Workshop on "Globalization of Innovation-Systems. The Challenge for Small Developed Countries". It is only for already invited participants. However, you are wellcome to inspect the [workshop programme](#)

Maintained by [Esben Sloth Andersen](#), email: www-druid@business.auc.dk

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