



**European
Patent Office**
European Patent Academy

ZEW

Zentrum für Europäische
Wirtschaftsforschung GmbH



INIR

International Network
for Innovation Research

**2nd ZEW Conference on the
Economics of Innovation and Patenting**

(August 3rd 2005)

Sunday, 18.09.2005

19:30 - 20:30 Get Together, Delta Park Hotel (welcome drinks and pretzels, afterwards dinner on your own)

Monday, 19.09.2005

09:20 - 09:30 Welcome Address: **Georg Licht**

09:30 - 11:00 **Plenary Session I**
room: Strasbourg, chair: Georg Licht

Philippe Aghion (Harvard University, CEPR):
Academia and innovation
Discussant: Aldo Geuna (SPRU-University of Sussex)

Donald Siegel (Rensselaer Polytechnic Institute):
Cross country comparison of the "efficiency" of TTOs
Discussant: Matthias Staat (University of Mannheim)

11:00 - 11:30 Coffee Break

11:30 - 13:00 **Plenary Session II**
room: Strasbourg, chair: Dietmar Harhoff (University of Munich, CEPR and ZEW)

Alfonso Gambardella (Bocconi University Milan):
Results from the PatVal survey
Discussant: Susanne Prantl (WZB and Humboldt University Berlin)

David Encaoua (Université de Paris I):
Catching-up or leapfrogging? The effects of competition on innovation and growth
Discussant: Konrad Stahl (University of Mannheim)

13:00 - 14:00 Lunch Break

14:00 - 16:00

Parallel Session I

Session I.a: Patents and Market Structure

room: Luxembourg; chair: Patrick Beschoner (ZEW Mannheim)

Cédric Schneider (CEBR and University of Southern Denmark at Odense):

Fences and competition in patent races

Discussant: Lars Wiethaus (University of Hamburg)

Bulat Sanditov (MERIT):

Patent Citations, the value of innovations and technological trajectories

Discussant: Wladimir Raymond (University of Maastricht)

Patrick Beschoner (ZEW Mannheim)

Patent policy in network industries

Discussant: Eric Jahn (University of Mannheim and Goethe University of Frankfurt)

Session I.b: PatVal

room: Brussels; chair: Aldo Geuna (SPRU-University of Sussex)

Karin Hoisl (LMU Munich)

A closer look at inventor productivity - What makes the difference?

Discussant: Knut Blind (FHG-ISI Karlsruhe)

Myriam Mariani (MERIT and Bocconi University Milan), **Marzia Romanelli** (University of Pisa)

Title: The inventors' life cycle

Discussant: Christoph Grimpe (ZEW Mannheim)

Gustavo Crespi (SPRU-University of Sussex), **Aldo Geuna** (SPRU-University of Sussex), **Lionel Nesta** (Observatoire Français des Conjonctures Economiques):

Labour Mobility of Academic Inventors. Career decision and knowledge transfer

Discussant: Alan Marco (Vassar College Poughkeepsie)

Session I.c: International R&D Strategies

room: Hamburg; chair: Michele Cincera (DULBEA-CERT, Université Libre de Bruxelles and CEPR, London)

René Belderbos (KU Leuven), **Elissavet Lykogianni** (KU Leuven), **Reinhilde Veugelers** (KU Leuven):

Strategic R&D location by multinational firms: spillovers, technology sourcing, and competition

Discussant: Bruno Versaevel (Ecole de Management de Lyon)

Martin Sroolec (University of Oslo):

Research and development activity of foreign affiliates: Firm-level evidence from the Czech Republic

Discussant: Helmut Fryges (ZEW Mannheim)

Michele Cincera (DULBEA-CERT, Université Libre de Bruxelles and CEPR, London), **Patrick Waelbroeck** (Université Libre de Bruxelles):

Product market competition and R&D intensity: evidence from Flemish firm-level data

Discussant: Mark Rogers (Oxford University)

Session I.d: Welfare Effects of the Patent System

room: P043; chair: Stuart Graham (Georgia Institute of Technology)

Emmanuel Duguet (Université d'Evry Val d' Essonne), **Claire Lelarge** (Département des Études Économiques d'Ensemble):

Does patenting increase the private incentives to innovate? A microeconomic analysis

Discussant: Günther Ebling (EU Commission)

Katrin Hussinger (KU Leuven and ZEW Mannheim):

Is silence golden? Patents versus secrecy at the firm level

Discussant: Frederique Savignac (Banque de France)

Stuart J.H. Graham (Georgia Institute of Technology), Dietmar Harhoff (University of Munich, CEPR and ZEW Mannheim):

Would the U.S. benefit from patent post-grant reviews? Evidence from a 'Twinning' study

Discussant: tba

Session I.e: Innovating Firms and Innovating Inventors?

Room: P044, chair: Dirk Czarnitzki (KU Leuven and ZEW Mannheim)

Sabien Dobbelaere (Ghent University), **Jacques Mairesse** (CREST-INSEE Paris):

The role of R&D intensity and unionisation in explaining firm-level heterogeneity in price-cost mark-ups and workers' bargaining power

Discussant: Elena Huergo Orejas (Universidad Complutense de Madrid)

Wladimir Raymond (University of Maastricht), Pierre Mohnen (University of Maastricht, MERIT and CIRANO), Franz

Palm (University of Maastricht), Sybrand Schim van der Loeff (University of Maastricht):

The dynamics of the innovation process in Dutch manufacturing: A panel data analysis

Discussant: Diana Heger (ZEW Mannheim)

Dirk Czarnitzki (KU Leuven and ZEW Mannheim), Kornelius Kraft (University of Dortmund and ZEW Mannheim):

License expenditures of incumbents and potential entrants: An empirical analysis of firm behaviour

Discussant: Ruslan Lukach (University of Antwerp)

16:00 - 16:30

Coffee Break

16:30 - 18:30

Parallel Session II

Session II.a: Patents and Competition

room: Luxembourg; chair: Lars Wiethaus (University of Hamburg)

Thomas Giebe (Humboldt University Berlin), **Tim Grebe** (Humboldt University Berlin), Elmar Wolfstetter (Humboldt University Berlin):

On allocating R&D subsidies: An experimentally tested policy recommendation
Discussant: Andreas Fier (ZEW Mannheim)

Gerard Llobet (CEMFI), Javier Suarez (CEMFI, CEPR and ECGI):
Financing and the protection of innovators
Discussant: Patrick Beschorner (ZEW Mannheim)

Lars Wiethaus (University of Hamburg):
Preemptive absorptive capacity and the persistence of monopoly
Discussant: Norbert Schulz (University of Wuerzburg)

Session II.b: Financing of R&D

room: Brussels; chair: Elisabeth Müller (ZEW Mannheim)

Frédérique Savignac (Banque de France):
The impact of financial constraints on innovation: evidence from French manufacturing firms
Discussant: Dirk Czarnitzki (KU Leuven and ZEW Mannheim)

Dirk Engel (RWI Essen), **Diana Heger** (ZEW Mannheim), :
Return orientation of venture capital companies and its importance for venture-backed firm performance in the early stage: Empirical evidence for Germany
Discussant: Myriam Mariani (MERIT and Bocconi University Milan)

Elisabeth Müller (ZEW Mannheim), Volker Zimmermann (KfW Frankfurt):
How important is equity finance for R&D activity? - Evidence from German small and medium-sized enterprises
Discussant: tba

Session II.c: Patent Explosion

room: P043; chair: Ralph Siebert (Purdue University and CEPR)

Knut Blind (FHG-ISI Karlsruhe), Jakob Edler (FHG-ISI Karlsruhe), Rainer Frietsch (FHG-ISI Karlsruhe), Ulrich Schmoch (FHG-ISI Karlsruhe):
The patent upsurge in Germany: The outcome of a multi-motive game induced by large companies
Discussant: Sabien Dobbelaere (Ghent University)

Albert Guangzhou Hu (National University of Singapore), Gary H. Jefferson (Brandeis University):
A great wall of patents: What is behind China's recent patent explosion?
Discussant: Stuart Graham (Georgia Institute of Technology)

Ralph Siebert (Purdue University and CEPR), **Georg von Graevenitz** (LMU Munich):
Do ex-ante or ex-post cooperations solve the hold-up problem? Evidence from a dynamic panel data model with unobserved heterogeneity
Discussant: Jing-Yuan Chiou (GREMAQ Toulouse)

Session II.d: Innovating in Europe - Evidence from CIS Data

Room: P044, chair:

Angel García (Universidad de Oviedo), **Jordi Jaumandreu** (Universidad Carlos III de Madrid), César Rodríguez (Universidad de Oviedo):
Innovation and jobs: evidence from manufacturing firms
Discussant: Norbert Janz (University of Applied Sciences Aachen)

Bettina Peters (ZEW Mannheim):

Persistence in Innovation Activities? Stylised facts and panel data evidence
Discussant: Martina Lauk (University of Darmstadt)

Rachel Griffith (IFS and University College London), **Elena Huergo** (Universidad Complutense de Madrid), Jacques Mairesse (CREST-INSEE Paris), Bettina Peters (ZEW):
Innovation and productivity across four European countries
Discussant: Tobias Schmidt (ZEW Mannheim)

20:00 Conference Dinner, (with friendly support of the BASF AG)
Gesellschaftshaus BASF Ludwigshafen

Tuesday, 20.09.2005

9:00 - 10:30

Plenary Session III

room: Strasbourg, chair: Norbert Janz (University of Applied Sciences Aachen)

Dietmar Harhoff (University of Munich, CEPR and ZEW Mannheim):
"Of Early-Birds and Late Bloomers - Strategic Timing of Patent Examination"
Discussant: tba

Dominique Guellec (EPO Munich):
Claiming More: The increased length of patent application
Discussant: Robert Hunt (Federal Reserve Bank of Philadelphia)

10:30 - 11:00 Coffee Break

11:00 - 13:00 Parallel Session III

Session III.a: Patenting Strategies

room: Luxembourg; chair: Konrad Stahl (University of Mannheim and ZEW Mannheim)

Vianney Dequiet, **Bruno Versaevel** (Ecole de Management de Lyon and GATE):
Patent pools and the dynamic incentives to R&D
Discussant: Georg von Graevenitz (LMU Munich)

Jing-Yuan Chiou (GREMAQ Toulouse):
A Simple theory of defensive patenting
Discussant: Cedric Schneider (CEBR and University of Southern Denmark at Odense)

Walter Elberfeld (University Duisburg-Essen), **Konrad Stahl** (University of Mannheim and ZEW Mannheim):
Patent breadth, patent competition and innovation behaviour
Discussant: Gerard Llobet (CEMFI)

Session III.b: Knowledge Flows

room: Brussels; chair: Tobias Schmidt (ZEW Mannheim)

Ruslan Lukach (University of Antwerp), Joseph Plasmans:
International knowledge flows from and into a small open economy: Patent citation analysis
Discussant: Emmanuel Duguet (Université d'Evry Val d' Essonne)

Gerald Carlino, Satyajit Chatterjee, **Robert Hunt** (Federal Reserve Bank of Philadelphia):
Matching and learning in cities: urban density and the rate of invention
Discussant: Werner Bönte (University of Hamburg)

Tobias Schmidt (ZEW Mannheim):
What determines absorptive capacity?
Discussant: Michele Cincera (DULBEA-CERT, Université Libre de Bruxelles and CEPR, London)

Session III.c: Patent Litigation

room: P043; chair: Alan C. Marco (Vassar College Poughkeepsie)

James Bessen (Boston University and Research on Innovation), **Michael J. Meurer** (Boston University and Research on Innovation):

The patent litigation explosion

Discussant: **Katrin Cremers** (ZEW Mannheim)

Andreas Panagopoulos (University of Bristol):

The effects of firm size in reaching an out-of-court-settlement in software patent litigation

Discussant: **Tobias Klein** (University of Mannheim)

Alan C. Marco (Vassar College Poughkeepsie):

Learning by suing: structural estimates of court errors in patent litigation

Discussant: **Katrin Hussinger** (KU Leuven and ZEW Mannheim)

Session III.d: Public R&D Grants and University Patenting

Room: P044, chair: **Andrew A. Toole** (Rutgers University)

Birgit Aschhoff (ZEW Mannheim), **Andreas Fier** (ZEW Mannheim):

Powerful or powerless? Measuring the impacts of public R&D grants on SMEs in Germany

Discussant: **Albert Guangzhou Hu** (National University of Singapore)

S. Breschi (Bocconi University Milan), **Francesco Lissoni** (Università di Brescia and CESPRI-Bocconi), **F. Montobbio** (Università degli studi dell'Insubria, Varese):

From publishing to patenting: Do productive scientists turn into academic inventors?

Discussant: **Karin Hoisl** (LMU Munich)

Andrew A. Toole (Rutgers University), **Dirk Czarnitzki** (KU Leuven and ZEW Mannheim):

Biomedical academic entrepreneurship through the SBIR program

Discussant: **Martin Srholec** (University of Oslo)

13:00 - 14:00 Lunch Break

14:00 - 15:30 **Plenary Session IV**
room: Strasbourg, chair: **Pierre Mohnen** (MERIT, University of Maastricht and CIRANO Montreal)

Bronwyn H. Hall (University of California at Berkeley):

Patent litigation and entrepreneurship

Discussant: **Pierre Mohnen** (MERIT, University of Maastricht and CIRANO Montreal)

Iain Cockburn (Boston University and NBER):

Patents and the Survival of Internet-related IPOs

Discussant: **Irene Bertschek** (ZEW Mannheim)

15:30 - 15:45 Coffee Break

15:45 - 17:15 **Plenary Session V**
room: Strasbourg, chair: **Jacques Mairesse** (CREST-INSEE Paris)

Rachel Griffith (UCL and IFS):

Product and labour market regulations and innovation across EU countries

Discussant: **James Bessen** (Research on Innovation and Boston University)

Manuel Trajtenberg (Tel-Aviv University) :

Recombinant innovators: Tracing the mobility of inventors with patent data

Discussant: **Francesco Lissoni** (Università di Brescia and CESPRI-Bocconi)

17:15 Farewell drinks
