



European  
Patent Office  
European Patent Academy

**ZEW**

Zentrum für Europäische  
Wirtschaftsforschung GmbH

**INIR**

International Network  
for Innovation Research

Fritz Thyssen Stiftung  
FÜR WISSENSCHAFTSFÖRDERUNG

## 2<sup>nd</sup> ZEW Conference on the Economics of Innovation and Patenting

(September 13<sup>th</sup>, 2005)

**Sunday, 18.09.2005**

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19:30 – 20:30 Get Together, Delta Park Hotel (welcome drinks and pretzels)

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**Monday, 19.09.2005**

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

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09:30 – 11:00 **Plenary Session I**  
room: Brussels, chair: Georg Licht

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

**Mike Wright** (Nottingham University):  
Cross country comparison of the “efficiency” of TTOs  
Discussant: Matthias Staat (University of Mannheim)

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11:00 – 11:30 Coffee Break

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11:30 – 13:00 **Plenary Session II**  
room: Brussels, chair: Jacques Mairesse (CREST-INSEE Paris)

**Alfonso Gambardella** (Bocconi University Milan):  
The Value of Patents?  
Discussant: Susanne Prantl (WZB and Humboldt University Berlin)

**Iain M. Cockburn** (Boston University and NBER), Stefan Wagner (LMU Munich):  
Business method patents: What are they good for? Patenting and the survival of  
internet-related IPOs  
Discussant: Georg Licht (ZEW Mannheim)

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13:00 – 14:00 Lunch Break

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14:00 – 16:00 Parallel Session I

**Session I.a: Patents and Market Structure**

room: Luxembourg; chair: Patrick Beschorner (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: Elisabeth Müller (ZEW)

**Patrick Beschorner** (ZEW Mannheim):  
Patent policy in network industries  
Discussant: Eric Jahn (University of Mannheim and Goethe University of Frankfurt)

**Session I.b: PatVal**

room: Strasbourg; 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)  
Quantity vs. Quality: How to read the Inventor's CV  
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 (behind the EURO-Bistro); 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 Srholec** (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: Nina Leheyda (ZEW Mannheim)

**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):

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

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

**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)

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16:00 – 16:30 Coffee Break

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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: Marzia Romanelli (University of Pisa)

**Gerard Lobet** (CEMFI), Javier Suarez (CEMFI, CEPR and ECGI):

Financing and the protection of innovators

Discussant: Patrick Beschorner (ZEW Mannheim)

**Lars Wiethaus** (University of Hamburg):

Excess absorptive capacity and the persistence of monopoly

Discussant: Norbert Schulz (University of Wuerzburg)

**Session II.b: Financing of R&D**

room: Strasbourg; 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: Ulf von Kalkreuth (Deutsche Bundesbank, Frankfurt)

**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: Elena Huergo (Universidad Complutense de Madrid)

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)

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

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**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), Karin Hoisl (LMU Munich):

European Patent Citations – How to count and how to interpret them?

Discussant: Jacques Mairesse

**Dominique Guellec** (EPO Munich):

Claiming More: The increased length of patent application

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10:30 – 11:00 Coffee Break

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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: Strasbourg; 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)

**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)

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13:00 – 14:00 Lunch Break

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14:00 – 15:30 **Plenary Session IV**  
room: Brussels, 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)

**Rachel Griffith** (UCL and IFS):  
Product and labour market regulations and innovation across EU countries  
Discussant: James Bessen (Research on Innovation and Boston University)

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15:30 – 15:45 Coffee Break

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15:45 – 16:30 **Plenary Session V**  
room: Brussels, chair: Dietmar Harhoff (University of Munich, CEPR)

**Manuel Trajtenberg** (Tel-Aviv University):  
Recombinant innovators: Tracing the mobility of inventors with patent data  
Discussant: Francesco Lissoni (Università di Brescia and CESPRI-Bocconi)

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16:30 – 16:45 Closing Session: **Georg Licht**

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