

STRiKE

Science and Technology Research
in a Knowledge-based Economy

cost

CAED

Comparative Analysis of
Enterprise Data

ZEW

Zentrum für Europäische
Wirtschaftsforschung GmbH
Centre for European
Economic Research

MaCCI

MANNHEIM CENTRE
FOR COMPETITION
AND INNOVATION

4th ZEW Conference on
**ECONOMICS OF INNOVATION AND PATENTING
& FINALE CONFERENCE COST NETWORK STRIKE**

Centre for European Economic Research (ZEW)
Mannheim, May 19-20, 2011

Final Conference Programme
- May 8, 2011 -

Please find the detailed information for each session below the program

Wednesday, May 18, 2011	
18.30-20.00	Get together
Thursday, May 19, 2011	
8.00-8.45	<i>Registration</i>
8.45-9.00	Welcome Address
9.00-10.30	Invited Session I
	<p><i>Chair: Georg Licht (ZEW) Room: Brüssel</i></p> <p><u>SPREADING THE WORD: GEOGRAPHY, POLICY AND UNIVERSITY KNOWLEDGE DIFFUSION</u></p> <p>Mark Schankerman (London School of Economics)</p> <p><u>ECONOMICS OF SCIENCE: SOME UNANSWERED QUESTIONS</u></p> <p>Paula Stephan (Georgia State University)</p>
10.30-10.45	<i>Coffee break</i>
10.45-12.15	Parallel Sessions 1
	<p>Session 1a: Patent System</p> <p>Session 1b: Financing Innovation</p> <p>Session 1c: Academic Invention I</p>
12.15-13.15	<i>Lunch break</i>
13.15-14.45	Parallel Sessions 2
	<p>Session 2a: International Dimension of Patents</p> <p>Session 2b: Innovation, M&A and Corporate Governance</p> <p>Session 2c: Academic Invention II</p>
14.45-15.15	<i>Coffee break</i>
15.15-16.45	Parallel Sessions 3
	<p>Session 3a: Competition and Innovation</p> <p>Session 3b: Innovation in China (Supported by Co-Reach Programme)</p> <p>Session 3c: Innovation in Pharmaceuticals</p>
16.45-17.00	<i>Coffee break</i>
17.00-18.15	Round Table Discussion I: From Lisbon to E2020
	<p><i>Moderator: Marianne Paasi Room: Brüssel</i> (EU Commission, DG Research and Innovation)</p> <p>Christian Tidona (CEO Biotech Cluster Heidelberg)</p> <p>Reinhilde Veugelers (KU Leuven)</p> <p>Agust Ingthorsson (Research Liaison Office, University of Iceland)</p> <p>Walter Mönig (German Ministry of Education and Research, Berlin)</p>
19.30	<i>Conference Dinner</i>

Friday, May 20, 2011	
9.00-10.30	Parallel Sessions 4
	Session 4a: Contracts and Collaboration Session 4b: Internationalisation, Innovation and Firm Performance Session 4c: Innovation and Collaboration I
10.30-10.45	<i>Coffee break</i>
10.45-12.00	Round Table Discussion I: Towards a Truly European Patent System
	<i>Moderator:</i> Dietmar Harhoff (LMU & chair of the German expert commission on research and innovation) <i>Room: Brüssel</i> Tony Clayton (Chief Economist, UK IPO) Stuart Graham (Chief Economist, USPTO) Nikolaus Thumm (Chief Economist, EPO)
12.00-13.15	<i>Lunch break</i>
12.15-13.15	STRIKE Management Committee Meeting
13.15-15.15	Parallel Sessions 5
	Session 5a: R&D, Innovative Investment and Patents Session 5b: Innovation, Technology Diffusion and Productivity Session 5c: Innovation and Collaboration II
15.15-15.45	<i>Coffee break</i>
15.45-17.15	Invited Session II
	<i>Chair: Bettina Peters (ZEW and Zurich University) Room: Brüssel</i> <i>MICROFOUNDATIONS OF FIRM-LEVEL INNOVATION</i> Frank T. Rothaermel (Georgia Institute of Technology) <i>SCIENCE POLICY AND INNOVATION STUDIES – WHAT IMPACT HAVE WE HAD?</i> Ben Martin (SPRU - Science and Technology Policy Research, University of Sussex)
17.15	<i>Farewell drinks</i>

Detailed Parallel Session Information

Note: Name of the presenter is underlined.

Thursday, May 19, 2011, 10.30-12.30	Parallel Sessions 1
Session 1a: Patent System	
<i>Chair: Bruno van Pottelsberghe de la Potterie (ULB)</i> <i>Room: Heinz-König-Hall</i>	
<u>IN THE SHADOW OF GIANTS</u> <u>Jing-Yuan Chiou</u> (IMT Lucca) <i>Discussant: Anna Rita Bennato (University of Rome)</i>	
<u>OPTIMAL PATENT EXAMINATION</u> Dietmar Harhoff (University of Munich), Thomas Roende (University of Copenhagen) Konrad Stahl (University of Mannheim), Roland Strausz (Humboldt University Berlin) <i>Discussant: Alberto Galasso (University of Toronto)</i>	
<u>PATENT OFFICE GOVERNANCE AND PATENT SYSTEM QUALITY</u> Pierre M. Picard (University of Luxembourg, CORE and Université Catholique de Louvain) Bruno van Pottelsberghe de la Potterie (Université Libre de Bruxelles (ULB), SBS-EM, ECARES, CEPR and Bruegel) <i>Discussant: Yasinne Lefouili (Toulouse School of Economics)</i>	
Session 1b: Financing Innovation	
<i>Chair: Grid Thoma (University of Camerino and CEFIN)</i> <i>Room: Brüssel</i>	
<u>THE DETERMINANTS OF R&D INVESTMENT: THE ROLE OF CASH FLOW AND CAPABILITIES</u> Francesco Bogliacino (Institute for Prospective Technological Studies) Sebastian Gómez Cardona (Institute for Prospective Technological Studies) <i>Discussant: Hanna Hottenrott (KU Leuven and ZEW)</i>	
<u>AN INFORMATION ECONOMICS PERSPECTIVE ON MAIN BANK RELATIONSHIPS AND FIRM R&D</u> Wolfgang Sofka (Tilburg University), Daniel Hoewer (ZEW) Tobias Schmidt (Deutsche Bundesbank, Economic Research Centre, Frankfurt am Main) <i>Discussant: Aiofe Hanley (Kiel Institute for the World Economy (IFW) and Christian-Albrechts-University of Kiel)</i>	
<u>MODELLING CREDIT RISK FOR INNOVATIVE FIRMS: THE ROLE OF INNOVATION MEASURES</u> Chiara Pederzoli (University of Milano-Bicocca and CEFIN Modena), Grid Thoma (University of Camerino and CEFIN Modena), Costanza Torricelli (University of Modena and CEFIN Modena) <i>Discussant: Elisabeth Müller (Frankfurt School of Finance and Management)</i>	
Session 1c: Academic Invention I	
<i>Chair: Birgit Aschhoff (ZEW)</i> <i>Room: "Alte Bibliothek"</i>	
<u>DELAY AND SECRECY: DOES INDUSTRY SPONSORSHIP JEOPARDIZE DISCLOSURE OF ACADEMIC RESEARCH?</u> Dirk Czarnitzki (KU Leuven and ZEW), Christoph Grimpe (Copenhagen Business School) Andrew A. Toole (US Department of Agriculture) <i>Discussant: Sonja Radas (Institute of Economics, Zagreb)</i>	
<u>DO PATENTS ALTER THE DIRECTION OF SCIENTIFIC INQUIRY? EVIDENCE FROM A SURVEY OF ACADEMIC SCIENTISTS</u> Paul Jensen (Melbourne Institute of Applied Economic and Social Research) Elizabeth Webster (Melbourne Institute of Applied Economic and Social Research) <i>Discussant: Christoph Grimpe (Copenhagen Business School)</i>	
<u>NETWORKS OF INVENTORS AND ACADEMICS IN FRANCE</u> Patrick Llerena (University of Strasbourg), Francesco Lissoni (Brescia University, KITeS – Bocconi University) Bulat Sanditov (BETA – University of Strasbourg, UNU-MERIT, Maastricht University) <i>Discussant: Tamás Sebestyén (University of Pécs Faculty of Business and Economics, Hungary)</i>	

Thursday, May 19, 2011, 13.15-14.45 Parallel Sessions 2

Session 2a: International Dimension of Patents

Chair: Helen Miller (Institute for Fiscal Studies London) Room: Brüssel

TRADE AND ENFORCEMENT OF PATENTS

Alberto Galasso (University of Toronto), **Mark Schankerman** (London School of Economics and CEPR)
Carlos Serrano (University of Toronto and NBER)

Discussant: Dirk Czarnitzki (KU Leuven and ZEW)

INTERNATIONAL PATENTING

Per Botolf Maurseth (Norwegian School of Management and NUPI)
Roger Svensson (Research Institute of Industrial Economics)

Discussant: Nicolas van Zeebroeck (Solvay Brussels School of Economics and Management and ULB)

CORPORATE TAXES AND THE LOCATION ON INTELLECTUAL PROPERTY

Rachel Griffith (Institute for Fiscal Studies London and University of Manchester),
Helen Miller (Institute for Fiscal Studies London),
Martin O'Connell (Institute for Fiscal Studies London and University College London)

Discussant: Reinhilde Veugelers (KU Leuven)

Session 2b: Innovation, M&A and Corporate Governance

Chair: Benjamin Balsmeier (Monopolies Commission Bonn) Room: Heinz-König-Hall

CROSS-BORDER M&AS AND INNOVATIVE ASSETS

Joel Stiebale (Rheinisch-Westfälisches Institut für Wirtschaftsforschung (RWI))

Discussant: Maria Garcia-Vega (University of Nottingham and GRIPICO)

M&A AND R&D: ASYMMETRIC EFFECTS ON ACQUIRERS AND TARGETS?

Florian Szücs (Vienna University of Economics and Business)

Discussant: Benjamin Balsmeier (Monopolies Commission, Bonn & University of Münster)

OUTSIDE DIRECTORS ON THE BOARD AND INNOVATION ACTIVITY

Benjamin Balsmeier (Monopolies Commission, Bonn and University of Münster)
Achim Buchwald (Council of Economic Advisors, Wiesbaden and University of Münster)
Joel Stiebale (Rheinisch-Westfälisches Institut für Wirtschaftsforschung (RWI))

Discussant: Diana Heger (ZEW)

Session 2c: Academic Invention II

Chair: Julien Penin (University of Strasbourg) Room: "Alte Bibliothek"

LOCALIZED NORMS AND ACADEMICS' INDUSTRY INVOLVEMENT: THE EFFECTS OF AGE ON PROFESSIONAL IMPRINTING

Birgit Aschhoff (ZEW), **Christoph Grimpe** (Copenhagen Business School)

Discussant: Isabel Maria Bodas Freitas (DISPEA, Politecnico di Torino)

PRIMA-FACIE EVIDENCE ON THE IMPORTANCE OF COLLABORATION IN SCIENTIFIC RESEARCH: ARE ITALIAN PHYSICISTS MORE PRODUCTIVE THAN FRENCH PHYSICISTS?

Jacques Mairesse (CREST Paris, UNU-Merit, Maastricht University), **Michele Pezzoni** (KITes/Cespri, University of Bergamo, University of Brescia)

Discussant: Christian Helmers (Universidad Carlos III de Madrid)

PROACTIVE VERSUS REACTIVE BEHAVIORS: DO THE MOTIVATIONS TO PATENT INFLUENCE THE NUMBER OF PATENTS INVENTED BY ACADEMIC INVENTORS?

Caroline Hussler (Université de Technologie de Belfort-Montbéliard and University of Strasbourg)
Julien Penin (University of Strasbourg)

Discussant: Michele Cincera (Université Libre de Bruxelles (ULB))

Thursday, May 19, 2011, 15.15-16.45 Parallel Sessions 3	
Session 3a: Competition and Innovation	
<i>Chair: Martin Peitz (University of Mannheim)</i>	<i>Room: Brüssel</i>
<u>CREATIVE DESTRUCTION AND PRODUCTIVE PREEMPTION</u>	
Pehr-Johan Norbäck (Research Institute of Industrial Economics Stockholm), Lars Persson (Research Institute of Industrial Economics Stockholm and CEPR), Roger Svensson (Research Institute of Industrial Economics Stockholm)	
<i>Discussant: Jing-Yuan Chiou (IMT Lucca)</i>	
<u>FIRM REPUTATION AND INCENTIVES TO "MILK" PENDING PATENTS</u>	
Johannes Koenen (University of Bonn) Martin Peitz (University of Mannheim)	
<i>Discussant: Jos Jansen (Max Planck Institute for Research on Collective Goods Bonn)</i>	
<u>RELAXING COMPETITION THROUGH PRODUCT INNOVATION: THE EVIDENCE</u>	
Jan Boone (CentER, Tilburg University), Erik Brouwer (CentER, Tilburg University and Pricewaterhouse Coopers Advisory), Lapo Filistrucchi (TILEC and CentER, Tilburg University), Henry van der Wiel (CentER, Tilburg University and CPB Netherlands Bureau for Economic Policy Analysis)	
<i>Discussant: Chiara Peroni (Statec Luxembourg)</i>	
Session 3b: Innovation in China (Supported by the Co-Reach Programme)	
<i>Chair: Jacques Mairesse (CREST and UNU-MERIT)</i>	<i>Room: Heinz-König-Hall</i>
<u>FINANCIAL DEVELOPMENT AND INNOVATION IN CHINA: EVIDENCE FROM THE PROVINCIAL DATA</u>	
Aiofe Hanley (Kiel Institute for the World Economy (IFW) and Christian-Albrechts-University of Kiel), Wan-Hsin Liu (Kiel Institute for the World Economy (IFW)), Andrea Vaona (Kiel Institute for the World Economy (IFW) and University of Verona)	
<i>Discussant: Can Huang (UNU-MERIT and Maastricht University)</i>	
<u>INNOVATION AND SURVIVAL OF NEW FIRMS IN CHINESE MANUFACTURING, 2000-2006</u>	
Mingqian Zhang (Hebei University), Pierre Mohnen (Maastricht University and UNU-MERIT)	
<i>Discussant: Jaan Maaso (University of Tartu)</i>	
<u>EFFECTS OF CHINA'S DOMESTIC PATENTS ON TOTAL FACTOR PRODUCTIVITY: 1988-2009</u>	
Yanyun Zhao (School of Statistics, Renmin University of China) Siming Liu (School of Statistics, Renmin University of China)	
<i>Discussant: Dirk Crass (ZEW)</i>	
Session 3c: Innovation in Pharmaceuticals	
<i>Chair: Tom Magerman (KU Leuven)</i>	<i>Room: "Alte Bibliothek"</i>
<u>INTERNATIONAL RESEARCH NETWORKS IN PHARMACEUTICALS: STRUCTURE AND DYNAMICS</u>	
Uwe Cantner (Friedrich-Schiller-University Jena) Bastian Rake (Friedrich-Schiller-University Jena)	
<i>Discussant: Bulat Sanditov (BETA – University of Strasbourg, UNU-MERIT, Maastricht University)</i>	
<u>THE VALUE OF FAILURES IN PHARMACEUTICAL R&D</u>	
Jing-Yuan Chiou (IMT Lucca), Laura Magazzini (University of Verona) Fabio Pammolli (IMT Lucca), Massimo Riccaboni (University of Trento)	
<i>Discussant: Andy Toole (US Department of Agriculture)</i>	
<u>IN SEARCH OF ANTI-COMMONS: PATENT-PAPER PAIRS IN BIOTECHNOLOGY. AN ANALYSIS OF CITATION FLOWS</u>	
Tom Magerman (KU Leuven), Bart Van Looy (KU Leuven), Koenraad Debackere (KU Leuven)	
<i>Discussant: Justus Baron (Cerna, Centre d'économie industrielle, Paris)</i>	

Friday, May 20, 2011, 9.00-10.30 Parallel Sessions 4

Session 4a: Contracts and Collaboration

Chair: Kai Hüschelrath (ZEW)

Room: Heinz-König-Hall

SHARE TO SCARE: TECHNOLOGY SHARING IN THE ABSENCE OF INTELLECTUAL PROPERTY RIGHTS

Jos Jansen (Max Planck Institute for Research on Collective Goods, Bonn)

Discussant: Gerard Llobet (CEMFI)

PER-UNIT ROYALTY VS FIXED FEE: THE CASE OF WEAK PATENTS

Rabah Amir (University of Arizona), **David Encaoua** (Paris School of Economics),

Yasmine Lefouili (Toulouse School of Economics)

Discussant: Isabel Ruhmer (University of Mannheim)

PAYMENTS AND PARTICIPATION: THE INCENTIVES TO JOIN COOPERATIVE STANDARD SETTING EFFORTS

Anne Layne-Farrar (LECG), **Gerard Llobet** (CEMFI), **Jorge Padilla** (LECG)

Discussant: Roger Svensson (Research Institute of Industrial Economics Stockholm)

Session 4b: Internationalisation, Innovation and Firm Performance

Chair: Stefan Bender (IAB Institute for Employment Research)

Room: "Alte Bibliothek"

R VERSUS D: ESTIMATING THE DIFFERENTIATED EFFECT OF RESEARCH AND DEVELOPMENT ON INNOVATION RESULTS

Alberto López (Universidad Complutense de Madrid), **Andrés Barge-Gil** (Universidad Complutense de Madrid)

Discussant: Mila Beyer (KU Leuven, ZEW)

INTERNATIONAL AND NATIONAL R&D OUTSOURCING: COMPLEMENTS OR SUBSTITUTES AS DETERMINANTS OF INNOVATION?

Maria Garcia-Vega (University of Nottingham and GRIPICO)

Elena Huergo (Dpto. de Fundamentos del Análisis Económico, Madrid and GRIPICO)

Discussant: Helen Miller (Institute for Fiscal Studies London)

INNOVATION, EMPLOYMENT GROWTH AND FOREIGN OWNERSHIP OF FIRMS

Bernhard Dachs (AIT Austrian Institute of Technology), **Bettina Peters** (ZEW and Zurich University)

Discussant: Torben Schubert (Fraunhofer Institute for Systems and Innovation Research ISI)

Session 4c: Innovation and Collaboration I

Chair: Wolfgang Sofka (Tilburg University)

Room: Brüssel

BUSINESS PARTNERSHIPS AND THE COMMERCIALIZATION OF INVENTIONS

Thomas Astebro (HEC School of Management, Paris), **Carlos J. Serrano** (University of Toronto and NBER)

Discussant: Pedro de Faria (University of Groningen)

FROM WIRES TO PARTNERS: HOW THE INTERNET HAS FOSTERED R&D COLLABORATIONS WITHIN FIRMS

Chris Forman (College of Management and Georgia Institute of Technology)

Nicolas van Zeebroeck (Solvay Brussels School of Economics and Management, Université Libre de Bruxelles)

Discussant: Jacques Mairesse (CREST Paris, UNU-MERIT and Maastricht University)

CATALYSTS AND BARRIERS: FACTORS THAT AFFECT THE PERFORMANCE OF UNIVERSITY-INDUSTRY COLLABORATIONS

Rudi Bekkers (Technische Universiteit Eindhoven), **Isabel Maria Bodas Freitas** (DISPEA, Politecnico di Torino)

Discussant: Paul Jensen (Melbourne Institute of Applied Economic and Social Research)

Session 5a: R&D, Innovative Investment and Patents

Chair: Alexandra Zaby (University of Tübingen)

Room: Brüssel

PATENT POOLS AND PATENT INFLATION

Justus Baron (Cerna, Centre d'économie industrielle, Paris), **Tim Pohlmann** (Berlin University of Technology)

Discussant: Per Botolf Maurseth (Norwegian School of Management and NUPI)

THE MARKET VALUE OF BLOCKING PATENT CITATIONS

Bart Leten (Vlerick Leuven Gent Management School),

Dirk Czarnitzki (KU Leuven and ZEW), **Katrin Hussinger** (Maastricht University, KU Leuven and ZEW)

Discussant: Grid Thoma (University of Camerino and CEFIN)

PHARMACEUTICAL INNOVATION AND PARALLEL TRADE

Anna Rita Bennato (University of Rome)

Tommaso Valletti (Imperial College London and University of Rome)

Discussant: Yossi Spiegel (Tel Aviv University)

THE RESEARCH USE EXEMPTION FROM PATENT INFRINGEMENT AND THE PROPENSITY TO PATENT

Diana Heger (ZEW), **Alexandra Zaby** (University of Tübingen)

Discussant: Lilia Raycheva (Kliment Ohridsky Sofia University)

Session 5b: Innovation, Technology Diffusion and Productivity

Chair: Vivek Ghosal (Georgia Institute of Technology, Atlanta and CESifo)

Room: "Alte Bibliothek"

GLOBALISATION, INDUSTRIAL DIVERSIFICATION AND PRODUCTIVITY GROWTH IN LARGE EUROPEAN R&D COMPANIES

Michele Cincera (Université Libre de Bruxelles (ULB))

Julien Ravet (Solvay Brussels School of Economics and Management, Université Libre de Bruxelles)

Discussant: Florian Szücs (Vienna University of Economics and Business)

REGIONAL PRODUCTIVITY AND KNOWLEDGE TRANSFER THROUGH PATENT CO-INVENTORSHIP – THE ROLE FOR NETWORK STRUCTURE

Tamás Sebestyén (University of Pécs Faculty of Business and Economics)

Discussant: Bastian Rake (Friedrich-Schiller-University Jena)

COMPLEMENTARY ASSETS, PATENT THICKETS AND HOLD-UP THREATS – DO TRANSACTION COSTS UNDERMINE DIVISION OF INNOVATIVE LABOUR

Franz Schiebacher (ZEW)

Discussant: Joel Stiebale (Rheinisch-Westfälisches Institut für Wirtschaftsforschung (RWI))

DETERMINANTS OF ADOPTION OF HEALTH INFORMATION TECHNOLOGY BY CLINICS

Brant Callaway (Vanderbilt University, Nashville), **Vivek Ghosal** (Georgia Institute of Technology, Atlanta and CESifo)

Discussant: Ugo Finardi (University of Turin)

Session 5c: Innovation and Collaboration II

Chair: *Katrin Cremers (ZEW)*

Room: *Heinz-König-Hall*

CHOOSE THE NEIGHBOR BEFORE THE HOUSE: AGGLOMERATION EXTERNALITIES IN UK SCIENCE PARKS

Christian Helmers (Universidad Carlos III de Madrid)

Discussant: Tom Astebro (HEC School of Management, Paris)

ACQUISITION OF EUROPEAN RESEARCH FUNDS AND ITS EFFECT ON INTERNATIONAL SCIENTIFIC COLLABORATION

Jarno Hoekman (Eindhoven University of Technology), **Thomas Scherngell** (AIT Austrian Institute of Technology)
Robert Tijssen (Centre for Science and Technology Studies (CWTS), Leiden University)

Discussant: Eric Zimmerman (Interdisciplinary Center Herzliya Israel)

COOPERATION WITH PUBLIC RESEARCH INSTITUTIONS AND SUCCESS IN INNOVATION: EVIDENCE FROM FRANCE AND GERMANY

Stéphane Robin (BETA-University of Strasbourg)

Torben Schubert (Fraunhofer Institute for Systems and Innovation Research ISI)

Discussant: Bernhard Dachs (AIT Austrian Institute of Technology)

THE CURSE OF OPENNESS: ON EXTERNAL KNOWLEDGE SOURCING AND THE RISK OF LITIGATION

Katrin Cremers (ZEW), **Dirk Czarnitzki** (KU Leuven and ZEW)

Discussant: Wolfgang Sofka (Tilburg University)