

# ZEW

Zentrum für Europäische  
Wirtschaftsforschung GmbH  
Centre for European  
Economic Research

**STRIKE**  
Science and Technology Research in a Knowledge-based Economy

**cost**



Anglo-German Foundation  
Deutsch-Britische Stiftung

## 3<sup>rd</sup> ZEW Conference on the Economics of Innovation and Patenting Mannheim June 13-14, 2008

Version: June 3, 2008

(Please find the detailed information for each session below the program)

<b>THURSDAY, 12<sup>th</sup></b> <b>19.30</b>	<i>Get together</i> <i>Delta Park Hotel</i>
<b>FRIDAY, 13<sup>th</sup></b>	
<b>8.45-9.15</b>	<i>Registration</i>
<b>9.15-9:30</b>	<b>Welcome Address</b>
<b>9.30-10.45</b>	<b>Plenary Session</b>
	<i>Chair: Jacques Mairesse</i> <span style="float: right;"><i>Room: Brüssel</i></span> <b>John van Reenen (CEP London; London School of Economics; NBER)</b> (Joint work with Philippe Aghion, Harvard University and CEPR, and Luigi Zingales, University of Chicago, CEPR and NBER) <i>Innovation and Institutional Ownership</i> <b>Dietmar Harhoff (LMU Munich; CEPR, London; ZEW Mannheim)</b> t. b. a.
<b>10.45-11.00</b>	<i>Coffee break</i>
<b>11.00-13.00</b>	<b>Parallel Sessions 1</b>
	Session 1a: Value of Patents Session 1b: Mobility and Motivation of Scientists Session 1c: R&D Under Uncertainty
<b>13.00-14.15</b>	<i>Lunch Break</i>
<b>14:15-15:00</b>	<b>Plenary Session</b>
	<i>Chair: Bronwyn Hall</i> <span style="float: right;"><i>Room: Brüssel</i></span> <b>Paul A. David (Stanford University; UNU-Merit, Maastricht)</b> (Joint work with Jared Rubin, California State University, Fullerton) <i>Restricting Access to Books on the Internet: Some Unanticipated Effects of U.S. Copyright Legislation</i>
<b>15.00-15.30</b>	<i>Coffee Break</i>
<b>15.30-17.00</b>	<b>Parallel Sessions 2</b>
	Session 2a: The Role of Human Capital in Knowledge Production

	Session 2b: Strategic Patenting Session 2c: Innovation and Productivity Session 2d: Knowledge Diffusion and Appropriability
17.00-17.15	<i>Coffee Break</i>
17.15-18.30	<b>Round Table Discussion: Innovation Research and Policy Advice</b>
	<i>Chair: Georg Licht</i> <span style="float: right;"><i>Room: Brüssel</i></span> <b>Manuel Trajtenberg (Tel-Aviv University)</b> <b>Reinhilde Veugelers (KU Leuven)</b> <b>Dominique Foray (EPF Lausanne)</b>
20.00	<i>Conference Dinner</i> <i>Heinz-König-Award Ceremony</i> <i>Venue: Gesellschaftshaus BASF</i>

<b>SATURDAY, 14<sup>th</sup></b>	
9.00-10.30	<b>Parallel Sessions 3</b>
	Session 3a: Distorting Effects of Patent Regimes Session 3b: Open Innovation Session 3c: Innovation and Market Structure Session 3d: STRIKE PhD Workshop: Impacts of R&D
10.30-10.45	<i>Coffee break</i>
10.45-12.45	<b>Parallel Sessions 4</b>
	Session 4a: Entrepreneurship and Innovation Session 4b: Comparing Patent Regimes Session 4c: Optimal Patenting
12.45-13.45	<i>Lunch Break</i>
13.45-15.00	<b>Plenary Session</b>
	<i>Chair: Pierre Mohnen</i> <span style="float: right;"><i>Room: Brüssel</i></span> <b>Aldo Geuna (SPRU-University of Sussex, Brighton; University of Turin)</b> <i>The Nature of Collaborative Patenting Activities</i>  <b>Bruno van Pottelsberghe (Université Libre de Bruxelles; ECARES, Brussels; Bruegel, Brussels)</b> (Joint work with Gaetan de Rassenfosse, Université Libre de Bruxelles; ECARES, Brussels) <i>A policy Insight Into the R&amp;D-Patent Relationship</i>
15.00-15.30	<i>Coffee break</i>
15.30-17.00	<b>Parallel Sessions 5</b>
	Session 5a: Policy Incentives for Innovation Session 5b: Financing R&D Session 5c: Regional Innovation Performance
17.00-17.15	<i>Coffee break</i>
17.15-18.15	<b>Plenary Session</b>
	<i>Chair: Manuel Trajtenberg</i> <span style="float: right;"><i>Room: Brüssel</i></span> <b>Frederic M. Scherer (Harvard University, Cambridge / Ma.)</b> <i>The Political Economy of Patent Policy Reform in the United States</i>
18.15 -	<i>Farewell drinks</i>

## Detailed Parallel Session Information

Note: Name of the presenter is underlined.

Friday, 13 <sup>th</sup> 11.00-13.00	Parallel Sessions 1
<b>Session 1a: Value of Patents</b>	
<i>Chair: Nicolas Van Zeebroeck</i> <span style="float: right;"><i>Room: Brüssel</i></span>	
<b><i>PATENT THICKETS AND TECHNOLOGY DIFFUSION: EVIDENCE FROM SETTLEMENT OF PATENT DISPUTES</i></b>	
<u>Alberto Galasso</u> (University of Toronto) Mark Schankerman (London School of Economics; University of Arizona; CEPR, London)	
<i>Discussant:</i> <i>Katrin Cremers (ZEW, Mannheim)</i>	
<b><i>HOW COST, COMPLEXITY AND TECHNOLOGICAL OPPORTUNITY AFFECT THE RATE OF PATENTING</i></b>	
Georg von Graevenitz (LMU, Munich) <u>Stefan Wagner</u> (LMU, Munich) Dietmar Harhoff (LMU, Munich; CEPR, London; ZEW, Mannheim)	
<i>Discussant:</i> <i>Klaus Kultti (University of Helsinki)</i>	
<b><i>THE MARKET VALUE OF PATENTS AND R&amp;D: EVIDENCE FROM EUROPEAN FIRMS</i></b>	
Bronwyn H. Hall (UC Berkeley; University of Maastricht; UNU-Merit, Maastricht; NBER) Salvatore Torrisi (University of Bologna) <u>Grid Thoma</u> (University of Camerino; CESPRI – Bocconi University, Milan)	
<i>Discussant:</i> <i>Catalina Martinez (Institute of Public Goods and Policies CSIC, Madrid)</i>	
<b><i>FILING STRATEGIES AND PATENT VALUE</i></b>	
<u>Nicolas Van Zeebroeck</u> (ULB Solvay Business School, Brussels) Bruno van Pottelsberghe de la Potterie (ULB Université Libre de Bruxelles; ECARES, Brussels; Bruegel, Brussels; European Patent Office, Munich; CEPR, London)	
<i>Discussant:</i> <i>Stuart Graham (Georgia Institute of Technology, Atlanta; University of California at Berkeley)</i>	
<b>Session 1b: Mobility and Motivation of Scientists</b>	
<i>Chair: Katrin Hussinger</i> <span style="float: right;"><i>Room: Zwischengeschoß</i></span>	
<b><i>PEER EFFECTS IN SCIENCE: EVIDENCE FROM THE DISMISSAL OF SCIENTISTS IN NAZI GERMANY</i></b>	
<u>Fabian Waldinger</u> (London School of Economics; CEP, London)	
<i>Discussant:</i> <i>Aldo Geuna (SPRU University of Sussex, Brighton)</i>	
<b><i>WHAT DO SCIENTISTS WANT: MONEY OR FAME?</i></b>	
<u>Devrim Goktepe</u> (Max Planck Institute of Economics, Jena) Prashanth Mahagaonkar (Max Planck Institute of Economics, Jena)	
<i>Discussant:</i> <i>Mark Sellenthin (ZEW, Mannheim)</i>	
<b><i>TECHNOLOGY MOBILITY AND JOB MOBILITY: A COMPARATIVE ANALYSIS BETWEEN PATENT AND SURVEY DATA</i></b>	
<u>Camilla Lenzi</u> (CESPRI – Bocconi University, Milan)	

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

***INVENTOR'S RESPONSE TO FIRM ACQUISITIONS***

Katrin Hussinger (University of Maastricht; KU Leuven; ZEW, Mannheim)

*Discussant:*  
*Lotta Väänänen (Helsinki School of Economics)*

**Session 1c: R&D Under Uncertainty**

*Chair: Vivek Ghosal*

*Room: P031*

***PATENT PROTECTION, MARKET UNCERTAINTY, AND R&D INVESTMENT***

Dirk Czarnitzki (KU Leuven; ZEW, Mannheim)

Andrew A. Toole (Rutgers University, New Brunswick; ZEW, Mannheim)

*Discussant:*  
*Andreas Panagopoulos (Lancaster University Management School)*

***UNCERTAINTY, NETWORKS AND REAL OPTIONS***

Isabelle Bajeux-Besnainou (George Washington University, Washington)

Sumit Joshi (George Washington University, Washington)

Nicholas Vonortas (George Washington University, Washington)

*Discussant:*  
*Dirk Czarnitzki (KU Leuven; ZEW, Mannheim)*

***STARTING A R&D PROJECT UNDER UNCERTAINTY***

Sabien Dobbelaere (Ghent University; KU Leuven; IZA, Bonn)

Roland Iwan Luttens (Ghent University; Catholic University of Louvain)

Bettina Peters (ZEW, Mannheim)

*Discussant:*  
*Boris Lokshin (University of Maastricht; UNU-MERIT, Maastricht)*

***HOW DO BRAND PRODUCERS REACT TO GENERIC ENTRY?***

Carmine Ornaghi (University of Southampton)

Georges Siotis (Universidad Carlos III, Madrid; CEPR, London)

*Discussant:*  
*Vivek Ghosal (Georgia Institute of Technology, Atlanta; CESifo, Munich)*

Friday, 13<sup>th</sup> 14.15-15.45

Parallel Sessions 2

**Session 2a: The Role of Human Capital in Knowledge Production**

*Chair: Claire Lelarge*

*Room: Zwischengeschoss*

***RETURNS TO INVENTORS***

Otto Toivanen (HECER – University of Helsinki)

Lotta Väänänen (Helsinki School of Economics)

*Discussant:*

*Andy Toole (Rutgers University, New Brunswick; ZEW, Mannheim)*

***LABOR MOBILITY AND PATENTING ACTIVITY***

Ulrich Kaiser (University of Southern Denmark, Odense; CEBR, Copenhagen; Centre for Industrial Economics, Copenhagen; ZEW, Mannheim)

Hans Christian Kongsted (University of Copenhagen; CEBR, Copenhagen; Centre for Industrial Economics, Copenhagen; CAM, Copenhagen)

Thomas Ronde (University of Copenhagen; CEBR, Copenhagen; ZEW, Mannheim; Centre for Industrial Economics, Copenhagen; CEPR, London)

*Discussant:*

*Katrin Hussinger (University of Maastricht; KU Leuven; ZEW, Mannheim)*

***EXPOSURE TO LOW WAGE COMPETITION, ACTIVITY CHANGES AND QUALITY UPGRADING: AN EMPIRICAL ASSESSMENT***

Claire Lelarge (CREST, Paris; OECD, Paris)

Benjamin Nefussi (MINEFE-DGTPE, Paris)

*Discussant:*

*Sabien Dobbelaere (Ghent University; KU Leuven; IZA, Bonn)*

**Session 2b: Strategic Patenting**

*Chair: Catalina Martinez*

*Room: Brüssel*

***PATENT PROTECTION, TAKEOVERS, AND STARTUP INNOVATION: A DYNAMIC APPROACH***

Andreas Panagopoulos (University of Lancaster)

In-Uck Park (University of Bristol)

*Discussant:*

*Gerard Llobet (CEMFI, Madrid)*

***RENT APPROPRIATION AND COMPETITOR BLOCKING: THE TWO FACES OF TECHNOLOGY ACQUISITION***

Christoph Grimpe (ZEW, Mannheim; KU Leuven)

Katrin Hussinger (University of Maastricht; KU Leuven; ZEW, Mannheim)

*Discussant:*

*Salvatore Torrisi (University of Bologna)*

***BLOCKING PATENTS: WHAT THEY ARE AND WHAT THEY DO***

Dominique Guellec (OECD, Paris)

Catalina Martinez (Institute of Public Goods and Policies CSIC, Madrid)

Pluvia Zuniga (OECD, Paris)

*Discussant:*

*In-Uck Park (University of Bristol)*

## Session 2c: Innovation and Productivity

Chair: *Stéphane Robin*

Room: P031

### **INVESTMENTS IN MODERNIZATION, INNOVATION AND GAINS IN PRODUCTIVITY: EVIDENCE FROM FIRMS IN THE GLOBAL PAPER INDUSTRY**

Vivek Ghosal (Georgia Institute of Technology, Atlanta; CESifo, Munich)

Usha Nair-Reichert (Georgia Institute of Technology, Atlanta)

Discussant:

Tobias Schmidt (Deutsche Bundesbank, Frankfurt)

### **THE DYNAMICS OF FIRM GROWTH: A RE-EXAMINATION**

Hans Lööf (Royal Institute of Technology, Stockholm)

Discussant:

Giuliana Battisti (Nottingham University)

### **INNOVATION AND PRODUCTIVITY: A FIRM-LEVEL ANALYSIS FOR FRENCH MANUFACTURING AND SERVICES USING CIS3 AND CIS4 DATA (1998-2000, 2002-2004)**

Jacques Mairesse (UNU-MERIT, Maastricht; CREST – ENSAE, Paris)

Stéphane Robin (BETA, ULP Strasbourg)

Discussant:

Norbert Janz (Aachen University of Applied Sciences)

## Session 2d : Knowledge Diffusion and Appropriability

Chair: *Michele Cincera*

Room: P044

### **FORMAL AND STRATEGIC APPROPRIABILITY MECHANISM OF MULTINATIONAL FIRMS: A CROSS-COUNTRY COMPARISON**

Pedro Faria (IN+ Center for Innovation, Technology and Policy Research, Instituto Superior Técnico, Technical University of Lisbon)

Wolfgang Sofka (ZEW, Mannheim)

Discussant:

Nicholas Vonortas (George Washington University, Washington)

### **KNOWLEDGE DIFFUSION AND HOME-BIAS EFFECT: DOES USPTO AND EPO PATENT CITATIONS TELL THE SAME STORY?**

Emanuele Bacchiocchi (University of Milan)

Fabio Montobbio (CESPRI – Bocconi University, Milan; Insubria University, Varese)

Discussant:

Nicolas van Zeebroeck (ULB Solvay Business School, Brussels)

### **GEOGRAPHIC AND TECHNOLOGICAL R&D SPILLOVERS WITHIN THE TRIAD: MICRO EVIDENCE FROM US PATENTS**

Luigi Aldieri (Università degli Studi di Napoli Parthenope; Université Libre de Bruxelles; DULBEA-CERT, Brussels)

Michele Cincera (Université Libre de Bruxelles; DULBEA-CERT, Brussels; CEPR, London)

Discussant:

Yi Deng (University of South Florida, Tampa)

Saturday, 14<sup>th</sup> 9.00-10.30

Parallel Sessions 3

**Session 3a: Distorting Effects of Patent Regimes**

*Chair: Roy Shalem*

*Room: Brüssel*

***PATENT SCOPE AND TECHNOLOGY CHOICE***

Erika Färnstrand Damsgaard (Institute for International Economic Studies, Stockholm University)

*Discussant:*

*Patrick Beschorner (ZEW, Mannheim)*

***PERSISTENCE OF MONOPOLIES AND RESEARCH SPECIALIZATION***

Philipp Weinschenk (Bonn Graduate School of Economics; Max Planck Institute for Research on Collective Goods, Bonn)

*Discussant:*

*Jing-Yuan Chiou (IMT Lucca)*

***THE MARKET FOR R&D FAILURES***

Roy Shalem (Tel-Aviv University)

*Discussant:*

*George Siotis (Universidad Carlos III, Madrid; CEPR, London)*

**Session 3b: Open Innovation**

*Chair: Wladimir Raymond*

*Room: Zwischengeschoß*

***INTERNATIONAL COOPERATION ON INNOVATION: EMPIRICAL EVIDENCE FOR GERMAN AND PORTUGUESE FIRMS***

Pedro Faria (IN+ Center for Innovation, Technology and Policy Research, Instituto Superior Técnico, Technical University of Lisbon)

Tobias Schmidt (Deutsche Bundesbank, Frankfurt)

*Discussant:*

*Anja Schmiele (ZEW, Mannheim)*

***SECTOR DIFFERENCES IN THE IMPACT OF INTERNAL AND EXTERNAL INNOVATION INPUTS ON INNOVATION***

Lesley Potters (IPTS Sevilla; Utrecht School of Economics)

*Discussant:*

*Andrea Vezzuli (CESPRI - Bocconi University)*

***INNOVATIVE SALES, R&D AND OTHER INNOVATIVE EXPANDITURES: ARE THERE LAGS? ESTIMATING FROM PANEL DATA VECTOR AUTOREGRESSION***

Wladimir Raymond (University of Maastricht)

Pierre Mohnen (University of Maastricht; UNU-MERIT, Maastricht; CIRANO, Montreal)

Franz Palm (University of Maastricht)

Sybrand Schim van der Loeff (University of Maastricht)

*Discussant:*

*Hans-Christian Kongsted (University of Copenhagen; CEBR, Copenhagen; Centre for Industrial Economics, Copenhagen; CAM, Copenhagen)*

**Session 3c: Innovation and Market Structure**

*Chair: Federico Etro*

*Room: P031*

**ABOVE AND BEYOND THE INVERTED-U RELATIONSHIP**

Xavier Boutin (INSEE, Paris; CREST-LEI, Paris; GREMAQ – University of Toulouse)

*Discussant:*

*Yossi Spiegel (Tel-Aviv University)*

**NATURAL CONCENTRATION IN INDUSTRIAL RESEARCH COLLABORATION**

Bastian Westbrock (Utrecht University)

*Discussant:*

*Jared Franz (University of Illinois, Chicago)*

**WHO DOES INVEST IN R&D? THEORY AND EVIDENCE**

Federico Etro (University of Milan, ECG)

Dirk Czarnitzki (KU Leuven; ZEW, Mannheim)

Kornelius Kraft (University of Dortmund; ZEW, Mannheim)

*Discussant:*

*Christian Köhler (ZEW, Mannheim)*

**Session 3d: STRIKE PhD Workshop : Impacts of R&D**

*Chair: Elisabeth Müller*

*Room: P044*

**ADDITIONALITY EFFECTS OF R&D SUBSIDIES. FOREIGN VERSUS DOMESTIC FIRMS: WHO REAPS MOST FRUITS?**

Kris Aerts (KU Leuven)

*Discussant:*

*Pierre Mohnen (University of Maastricht; UNU-MERIT, Maastricht; CIRANO, Montreal)*

**R&D AND PRODUCTIVITY OF CHINA INDUSTRIAL SECTORS: AN EMPIRICAL STUDY BY USING FIRM DATA**

Feng Zhen (Renmin University of China, Beijing; UNU-MERIT, Maastricht)

*Discussant:*

*Annetta Caplanova (University of Economics in Bratislava)*

**EXPLICATING FACTORS EXPLAINING "ORGANIZATIONAL" INNOVATION AND ITS EFFECTS**

Koson Sapprasert (University of Oslo; CAS, Oslo)

*Discussant:*

*Sonja Radas (The Institute of Economics, Zagreb)*

**Saturday, 14<sup>th</sup> 10.45-12.45 Parallel Sessions 4**

**Session 4a: Entrepreneurship & Innovation**

*Chair: Andrea Vezzulli*

*Room: P031*

**BIG IDEAS OR SPECIALIZATION: WHY ARE INVENTOR TEAM SIZES INCREASING?**

Jared S. Franz (University of Illinois, Chicago)

*Discussant:*

*Kris Aerts (KU Leuven)*

**INNOVATION IN HIGH-TECH ENTREPRENEURSHIP: DOES IT DEPEND ON THE PROVISION OF SMART MONEY?**

Diana Heger (ZEW, Mannheim)

*Discussant:*



*Tanya Tanayama (HECER – University of Helsinki)*

***TO BE FINANCED OR NOT: THE ROLE OF PATENTS FOR VENTURE CAPITAL FINANCING***

Carolin Häussler (LMU, Munich)

Dietmar Harhoff (LMU, Munich; CEPR, London; ZEW, Mannheim)

Elisabeth Mueller (ZEW, Mannheim)

*Discussant:*

*Grid Thoma (University of Camerino; CESPRI – Bocconi University, Milan)*

***INNOVATION, PROFITABILITY AND GROWTH OF THE NEW ESTABLISHED ITALIAN FIRMS OPERATING IN THE KNOWLEDGE BASED INDUSTRY***

Franco Malerba (CESPRI – Bocconi University, Milan)

Maria Luisa Mancusi (CESPRI – Bocconi University, Milan)

Andrea Vezzulli (CESPRI – Bocconi University, Milan)

*Discussant:*

*Kathrin Müller (ZEW, Mannheim)*

**Session 4b: Comparing Patent Regimes**

*Chair: Stuart Graham*

*Room: Brüssel*

***INTERNATIONAL PATENT HARMONIZATION AND TRADE BALANCE OF PATENT RIGHTS***

Yi Deng (University of South Florida, Tampa)

*Discussant:*

*Michele Cincera (Université Libre de Bruxelles; DULBEA-CERT, Brussels; CEPR, London)*

***PATENT VALIDATION AT THE COUNTRY LEVEL: THE ROLE OF FEES AND TRANSLATION COSTS***

Dietmar Harhoff (LMU, Munich; CEPR, London; ZEW, Mannheim)

Karin Hoisl (LMU, Munich)

Bettina Reichl (European Patent Office, Munich)

Bruno van Pottelsberghe de la Potterie (ULB Université Libre de Bruxelles; ECARES, Brussels; Bruegel, Brussels; European Patent Office, Munich; CEPR, London)

*Discussant:*

*Alberto Galasso (University of Toronto)*

***PATENT ANALYSES IN THE NEW REGIME OF THE US PATENT LAW***

Ulrich Schmoch (Fraunhofer ISI, Karlsruhe)

Rainer Frietsch (Fraunhofer ISI, Karlsruhe)

*Discussant:*

*Nikolaus Thumm*

***COMPETING ON STANDARDS? ENTREPRENEURSHIP, INTELLECTUAL PROPERTY AND THE PLATFORM PARADOX***

Tim Simcoe (University of Toronto)

Stuart Graham (Georgia Institute of Technology, Atlanta; University of California at Berkeley)

Maryann Feldman (University of Georgia, Athens)

*Discussant:*

*Helmut Fryges (ZEW, Mannheim)*

**Session 4c: Optimal Patenting**

*Chair: Jing-Yuan Chiou*

*Room: Zwischengeschoss*

***ON THE OPTIMAL NOVELTY REQUIREMENT IN PATENT PROTECTION***

Klaus Kultti (University of Helsinki)

Antti Miettunen (University of Helsinki)

*Discussant:*

Erika Färnstrand Damsgaard (Institute for International Economic Studies, Stockholm University)

**LOSING THE LEAD: THE PATENTING DECISION IN THE LIGHT OF THE DISCLOSURE REQUIREMENT**

Alexandra Zaby (University of Tübingen)

*Discussant:*

Frederico Etro (University of Milan, ECG)

**IS THAT A GUN IN YOUR POCKET? APPLICATIONS FOR PATENTS AND COSTLY VERIFICATION**

Delphine Prady (University of Toulouse)

*Discussant:*

Cedric Schneider (Copenhagen Business School; KU Leuven)

**THE PATENT QUALITY CONTROL PROCESS: CAN WE AFFORD AN (RATIONALLY) IGNORANT PATENT OFFICE?**

Jing-Yuan Chiou (IMT Lucca)

*Discussant:*

Xavier Boutin (INSEE, Paris; CREST-LEI, Paris; GREMAQ – University of Toulouse)

**Saturday, 14<sup>th</sup> 15.30-17.00**

**Parallel Sessions 5**

**Session 5a : Policy Incentives for Innovation**

*Chair: Georg Licht*

*Room: Brüssel*

**FINANCING R&D THROUGH TAX CREDITS IN FRANCE**

Benoît Mulkay (LEREPS – University of Toulouse; University of Montpellier 1)

Jacques Mairesse (UNU-MERIT, Maastricht; CREST – ENSAE, Paris)

*Discussant:*

Bruno van Pottelsberghe (ULB Université Libre de Bruxelles; ECARES, Brussels; Bruegel, Brussels; European Patent Office, Munich; CEPR, London)

**MEASURING THE EFFECTIVENESS OF R&D TAX CREDITS IN THE NETHERLANDS**

Boris Lokshin (University of Maastricht; UNU-MERIT, Maastricht)

Pierre Mohnen (University of Maastricht; UNU-MERIT, Maastricht; CIRANO, Montreal)

*Discussant:*

Hans Lööf (Royal Institute of Technology, Stockholm)

**INNOVATION POLICY REFORM**

Tuomas Takalo (Bank of Finland, Helsinki)

Tanja Tanayama (HECER – University of Helsinki)

Otto Toivanen (HECER – University of Helsinki)

*Discussant:*

*t.b.a.*

**Session 5b : Financing R&D**

*Chair: Yossi Spiegel*

*Room: P031*

**FINANCIALLY CONSTRAINED INNOVATION, PATENT PROTECTION, AND INDUSTRY DYNAMICS**

Gerard Llobet (CEMFI, Madrid)

Javier Suarez (CEMFI, Madrid; CEPR, London; ECGI, Brussels)

*Discussant:*

Bastian Westbrock (Utrecht University)

**MIXED R&D INCENTIVES: THE EFFECT OF R&D SUBSIDIES ON PATENTED INVENTIONS**

Cédric Schneider (Copenhagen Business School; KU Leuven)

*Discussant:*

*Alexandra Zaby (University of Tübingen)*

**LICENSING INTERIM R&D KNOWLEDGE**

Yossi Spiegel (Tel-Aviv University)

*Discussant:*

*Philipp Weinschenk (Bonn Graduate School of Economics; Max Planck Institute for Research on Collective Goods, Bonn)*

**Session 5c : Regional Innovation Performance**

*Chair: Viktor Slavtchev*

*Room: Zwischengeschoß*

**THE EU FRAMEWORK PROGRAMS: ARE THEY WORTH DOING?**

Ronald Dekker (Delft University of Technology)

Alfred Kleinknecht (Delft University of Technology)

*Discussant:*

*Stefan Lilischkis (Empirica GmbH)*

**THE BRIGHT AND DARK SIDE OF COOPERATION FOR REGIONAL INNOVATION PERFORMANCE**

Tom Broekel (Utrecht University)

Andreas Meder (Friedrich-Schiller-University, Jena)

*Discussant:*

*Zoran Aralica (The Institute of Economics, Zagreb)*

**DETERMINANTS OF THE TECHNICAL EFFICIENCY OF REGIONAL INNOVATION SYSTEMS**

Michael Fritsch (Friedrich-Schiller-University, Jena; DIW, Berlin; Max Planck Institute of Economics, Jena)

Viktor Slavtchev (Friedrich-Schiller-University, Jena)

*Discussant:*

*Elisabeth Müller (ZEW, Mannheim)*