11th ZEW Conference on the

Economics of Innovation and Patenting

Mannheim, 5-6 November 2026

Conference venue: ZEW, L 7, 1, 68161 Mannheim

Final Program as of October 27, 2026

PROGRAMME Thursday, November 5, 2026

08:30 – 09:15	**Registration and Arrival Coffee**
09:15 – 09:30	Room Brussels **Welcome Address** *Hanna Hottenrott, ZEW*
09:30 – 10:30	Room Brussels **Keynote: Mapping the Problem Space of Innovation** ***Fabian Gaessler (Universitat Pompeu Fabra, Barcelona and Max Planck Institute for Innovation & Competition)*** Chair: Bettina Peters, ZEW and University of Luxembourg
10:30 – 10:50	**Coffee Break**
10:50 – 12:20	**Parallel Sessions I (see below for details)**
12:20 – 13:30	**Lunch**
13:30 – 14:30	Room Brussels **Keynote: Innovation via Research Commercialization: Tools, Techniques, and Open Datasets** ***Matt Marx (Cornell SC Johnson College of Business and NBER)*** Chair: Hanna Hottenrott, ZEW and TUM
14:30 – 15:00	**Coffee Break**
15:00 – 16:30	**Parallel Sessions II (see below for details)**
16:30 – 16:45	**Coffee Break**
16:45 – 18:15	**Parallel Sessions III (see below for details)**
18:15 – 18:40	**Break**
18:40	**Walk from ZEW to Rheinterrassen**
19:00	**Conference Dinner Rheinterrassen**

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PROGRAMME — Friday, November 6, 2026

09:00 – 10:30	**Parallel Sessions IV (see below for details)**
10:30 – 11:00	**Coffee Break**
11:00 – 12:00	**Parallel Sessions V (see below for details)**
12:00 – 13:00	**Lunch**
13:00 – 14:00	Room Brussels **Keynote: Science funding and knowledge production** ***Valentina Tartari (House of Innovation, Stockholm School of Economics and Copenhagen Business School)*** Chair: Bernhard Ganglmair, ZEW and University of Mannheim
14:00 – 14:15	**Coffee Break**
14:15 – 15:45	**Parallel Sessions VI (see below for details)**
15:45	**Farewell Drinks and Pretzels**

10:50 – 12:20 Parallel Session I				
Room Brussels **I.A: AI & Productivity** Chair: Bettina Peters	Room 1 **I.B: Innovation in Pharmaceuticals I** Chair: Bernhard Ganglmair	Room 2 **I.C: Science I** Chair: Manfredi Aliberti	Media Room **I.D: Mobility** Chair: Cédric Schneider	Heinz König Hall **I.E: Innovation & the Labour Market** Chair: Ana Popovici
Is AI the New Fool's Gold? Evidence on the Short-Term Effects of Early AI Adoption on Firm Productivity *Helena Isabel Peixoto da Silva (Universidade de Lisboa)* Discussant: *Bettina Peters*	**Patent Policy and Costly Imitation: Evidence from Paragraph IV Patent Challenges in the Pharmaceutical Industry** *Olena Izhak (Stora Enso), Tanja Saxell (VATT and Helsinki GSE), Tuomas Takalo (Bank of Finland and Helsinki GSE)* Discussant: *Christian Helmers*	**Beyond the Lab: The Effect of PhD Programs on Innovation** *Manfredi Aliberti (Max Planck Institute for Innovation and Competition)* Discussant: *Xin Deng*	**Technological Fit and the Reallocation of Inventors** *Emre Ekinci (Koc University)* Discussant: *Leon Steines*	**Patents, Firm Rents, and Worker Compensation: Causal Evidence from Quasi-Random Patent Allocation** *Afroza Alam (IWH Halle), Andre Diegmann (IWH Halle, Institute for Employment Research)* Discussant: *Ana Popovici*
Additive Manufacturing, Innovation and Employment: Firm-Size Heterogeneity and Industry Reallocation *Giulia Felice (Politecnico di Milano), Fabio Lamperti (Università Cattolica del Sacro Cuore)* Discussant: *Helena Isabel Peixoto da Silva*	**Drug Development in the Face of Patent Extensions: Evidence from Supplementary Protection Certificates** *Satyaki Chakravarty (Università Cattolica del Sacro Cuore), Fabio Montobbio (Università Cattolica del Sacro Cuore), Gabriele Pellegrino (Università Cattolica del Sacro Cuore)* Discussant: *Tuomas Takalo*	**Sourcing Leadership from Science: PhD Knowledge Prominence and Firm Technological Leadership** *Xin Deng (University of Manchester), Cornelia Lawson (University of Manchester), Yang Ding (University of Edinburgh)* Discussant: *Zhihao Wang*	**Immigrants and Ideas** *Jordan Bisset (Max Planck Institute for Innovation and Competition), Leon Steines (ZEW Mannheim, Technical University of Munich)* Discussant: *Cédric Schneider*	**Who Stays, Who Rises, Who Enters? Innovation and Workforce Dynamics at the Firm Level** *Cigdem Ekiz (Maastricht University), Eren Gürer (Middle East Technical University), Erol Taymaz (Middle East Technical University)* Discussant: *Afroza Alam*
Unleashing Productivity: The Role of AI and Data-Driven Investments in Firm Performance *Alexander Ehrlich (ZEW Mannheim, Technical University of Munich), Bettina Peters (ZEW Mannheim, MaCCI, University of Luxembourg)* Discussant: *Giulia Felice*	**Mergers and Rivals' Technology Adoption: Evidence from U.S. Dialysis** *Bernhard Ganglmair (University of Mannheim and ZEW Mannheim), Alex Holcomb (Appalachian State University), Sara Trabetti (Fideres Partners LLP)* Discussant: *Satyaki Chakravarty*	**Tenure-Track Tournaments and Research Performance** *Zhihao Wang (University of Calgary)* Discussant: *Manfredi Aliberti*	**Firm Environments and Inventor Patenting: Evidence from Danish Register Data** *Cédric Schneider (Copenhagen Business School)* Discussant: *Emre Ekinci*	**Labor Effects of Innovation Tax Breaks** *Sabien Dobbelaere (Vrije Universiteit Amsterdam, Tinbergen Institute, LISER), Ana Popovici (Vrije Universiteit Amsterdam, Tinbergen Institute)* Discussant: *Cigdem Ekiz*

15:00 – 16:30 Parallel Session II

Room Brussels **II.A: Innovation Funding I** Chair: Dirk Czarnitzki	Room 1 **II.B: Innovation in Pharmaceuticals II** Chair: Paul G. Peters	Room 2 **II.C: Technology Transfer** Chair: Katrin Hussinger	Media Room **II.D: Gender, Family & Innovation** Chair: Arnim Seidlitz	Heinz König Hall **II.E: Technology Markets** Chair: Valerio Sterzi
From Frontier Research to Innovation: Evidence from ERC Proof of Concept Grants *Martina Iori (Università Cattolica di Milano), Guillermo Kreiman (European Commission, JRC), Pietro Santoleri (European Commission), Stefano Verzillo (European Commission, JRC)* Discussant: *Christoph Grimpe*	**Intellectual Property Rights and Value-based Pricing** *Katharina Blankart (Bern University of Applied Sciences), Paul G. Peters (ZEW Mannheim), Simon Reif (ZEW Mannheim)* Discussant: *Manuel Hermosilla*	**Technology Acquisition from Publicly Funded Research Organisations: Evidence from Indian Patent Commercialisation** *Tanmay Sharma (Indian Institute of Technology Indore), Suma Athreye (Indian Institute of Technology Delhi), Ruchi Sharma (Indian Institute of Technology Indore)* Discussant: *Katrin Hussinger*	**Childcare and Innovation** Jordan Bisset *(Max Planck Institute for Innovation and Competition)* Discussant: *Arnim Seidlitz*	**Patent Enforcement as Value Capture: The Innovation Value Chain and Technology Markets** *Valerio Sterzi (University of Bordeaux)* Discussant: *Anup Agrawal*
Risk and Reward in Science Funding: A Field Experiment on Grant Evaluation *Lakshya Katariya (KU Leuven), Cindy Lopes-Bento (KU Leuven, LISER, ZEW Mannheim), Christoph Grimpe (Copenhagen Business School, ZEW Mannheim)* Discussant: *Johar Arrieta Vidal*	**Biosimilar Turf Wars** *Manuel Hermosilla (University of Illinois), Kelly E. Anderson (Harvard Medical School and Brigham and Women's Hospital), Joseph F. Levy (Johns Hopkins Bloomberg School of Public Health)* Discussant: *Ekaterina Khmelnitskaya*	**Crowding Out Disclosure: Evidence from Patentability Expansion** *Bernhard Ganglmair (University of Mannheim and ZEW Mannheim) Alexander Kann (University of Mannheim and ZEW Mannheim)* Discussant: *Tanmay Sharma*	**Cluster-Based Funding and the Gender Gap in Scientific Collaboration Networks: Evidence from a Quasi-Experiment** *Amal Boughnim (Bordeaux School of Economics), Nicolas Carayol (Bordeaux School of Economics), Pascale Roux (Bordeaux School of Economics)* Discussant: *Jordan Bisset*	**Frontier Emerging Technologies, IPO Valuation, and Firm Policies** *Hoang Nguyen (University of Alabama), Anup Agrawal (University of Alabama)* Discussant: *Simon Trlifaj*
Public Procurement, the Nature of Innovation, and Growth: Firm-Level Evidence from Germany *Johar Arrieta Vidal (University of Michigan), Jorge Zavala (WZB Berlin / Humboldt University)* Discussant: *Bastian Krieger*	**Valuing Pharmaceutical Drug Innovations** *Gaurab Aryal (Boston University), Federico Ciliberto (University of Virginia, DIW, CEPR), Leland E. Farmer (University of Virginia), Ekaterina Khmelnitskaya (University of British Columbia)* Discussant: *Paul G. Peters*	**How Institutions Shape the Governance of Intellectual Property in Hybrid Organizations: Evidence from University Technology Transfer** *Katrin Hussinger (University of Luxembourg)* Discussant: *Alexander Kann*	**The Missing Female Inventors: Family Formation and the Gender Gap in Innovation** *Clemens Mueller (Erasmus School of Economics), Stefan Obernberger (Erasmus School of Economics), Arnim Seidlitz (Institute for Employment Research)* Discussant: *Amal Boughnim*	**Government Transparency and Innovation: Evidence from Wireless Products** *Simon Trlifaj (Central European University)* Discussant: *Valerio Sterzi*

16:45 – 18:15 Parallel Session III			
Room Brussels **III.A: Direction of Innovation** Chair: David Heller	Room 1 **III.B: Ownership, Innovation & Workplace Organization** Chair: Elisabeth Mueller	Room 2 **III.C: Venture Capital & Innovation** Chair: Leon Steines	Media Room **III.D: Measuring Patent Content & Value** Chair: Michael E. Rose
Supply-Chain Spillovers and the Direction of Innovation: Evidence from California's Cap-and-Trade Program *Daniela Maggioni (Università Cattolica), Maria Luisa Mancusi (Università Cattolica), Franziska Tinnefeld (Fondazione Eni Enrico Mattei)* Discussant: *Benjamin Balsmeier*	**Owner-Managers and their Embeddedness in the Ownership Team - Which Structures are Good for Innovation?** *Elisabeth Mueller (IÉSEG School of Management), Jordi Geeraerts (KU Leuven)* Discussant: *Mattice Notebaert*	**Venture Capital Investments and Innovation in Strategic Cleantech Domains** *Sara Amoroso (German Institute for Economic Research), Marco Grazzi (Università Cattolica del Sacro Cuore), Fabio Lamperti (Università Cattolica del Sacro Cuore), Francesco Matteucci (Fondazione Bruno Kessler) Knarik Poghosyan (German Institute for Economic Research)* Discussant: *Julia Weber*	**Patents as Indicators of Innovation: Large Language Models Meet Ground Truth in the LCD Industry** *Mitsuru Igami (University of Toronto), Shoki Kusaka (Yale University), Simon Scheidegger (University of Lausanne), Anna Smirnova (University of Lausanne)* Discussant: *Michael E. Rose*
Do Technology Clusters Distort Innovation? *Benjamin Balsmeier (University of Luxembourg), Gustavo Manso (University of California), Lee Fleming (University of California)* Discussant: *David Heller*	**When Innovation Comes at a Cost: Inventor CEOs and Workplace Safety** *Mattice Notebaert (KU Leuven)* Discussant: *Linus Strecke*	**Investor Configuration and the Venture-Financing Ladder: Regional Heterogeneity Across Entrepreneurial Ecosystems** Andre Cazor Katz, Edwin A. Goni Pacchioni, Sergio Pelaez Discussant: *Fabio Lamperti*	**Predicting Inventive Step** *Michael E. Rose (Max Planck Institute for Innovation and Competition), Dietmar Harhoff (Max Planck Institute for Innovation and Competition, Ludwig Maximilian University of Munich, CEPR)* Discussant: Hanna Hottenrott
TV and the Direction of Technical Change – Evidence from the German Democratic Republic *Dietmar Harhoff (Max Planck Institute for Innovation and Competition, CEPR), David Heller (University of Passau, Politecnico di Milano, Max Planck Institute for Innovation) and Kathrin Wernsdorf (Max Planck Institute for Innovation and Competition)* Discussant: *Maria Luisa Mancusi*	**Doing Well by Doing Good - Until You Do It Again: Empirical Firm-Level Evidence on the Returns to Adoption of Inclusive Work Organization** *Bastian Krieger (ZEW Mannheim, Technical University of Munich), Linus Strecke (ZEW Mannheim, Technical University of Berlin)* Discussant: *Elisabeth Mueller*	**Financing Innovation: The Role of Venture Capital in Firm Dynamics and Economic Growth** *Julia Weber (Walter Eucken Institut, Universität Freiburg) Leon Steines (ZEW Mannheim, Technical University of Munich)* Discussant: Edwin A. Goni Pacchioni	

09:00 – 10:30 Parallel Session IV			
Room Brussels **IV.A: Innovation Funding II** Chair: Christian Rammer	Room 1 **IV.B: AI** Chair: Mark Hellsten	Room 2 **IV.C: Science II** Chair: Thomas Schaper	Media Room **IV.D: Green Innovation I** Chair: Valeriia Tishakova
The Optimal Design of Innovation Policy: Evidence from French R&D Support Programs *Katarzyna Bilicka (Utah State University), Naomi Feldman (Hebrew University of Jerusalem), Alexandre Gnaedinger (University of Mannheim, ZEW Mannheim), Irem Güceri (Oxford University)* Discussant: *Christian Rammer*	**Measuring AI Innovation with Trademark Data** *Carolina Castaldi (Utrecht University), Fulvio Castellacci (University of Oslo), Andrea Fronzetti Colladon (Roma Tre University), Ludovica Segneri (University of Urbino Carlo Bo), Francesco Venturini (NIESR and ESCoE)* Discussant: *Mark Hellsten*	**The Organization of Scientific Teams in the Age of LLMs** *Stefano Bianchini (BETA, University of Strasbourg), Georgiana-Ioana Coroama (BETA, University of Strasbourg)* Discussant: *Maikel Pellens*	**Innovation, Green Products and Trade: Evidence from Multiproduct Firms** Laura Bisio (Italian National Institute of Statistics), Angelo Cuzzola (Scuola Superiore Sant'Anna), Marco Grazzi (Università Cattolica del Sacro Cuore), Daniele Moschella (Scuola Superiore Sant'Anna) Discussant: *Valeriia Tishakova*
How does Place-based Innovation Funding Affect Skill Demand? Evidence from Online Job Postings *Lisa Keding (RWTH Aachen University), Torsten-Oliver Salge (RWTH Aachen University), Christina Dienhart (RWTH Aachen University), David Antons (University of Bonn)* Discussant: *Stefano Verzilla*	**AI and Subsequent Innovation: Evidence from Patent** *Flavio Calvinoa (OECD), Jelmer Reijerinka (OECD), Lea Sameka (OECD)* Discussant: *Martin Woerter*	**How Scientific Fields Evolve: Evidence from Digital Economy Research** *Franziska Kaiser (University of Zurich)* Discussant: *Georgiana-Ioana Coroama*	**Does Artificial Intelligence Make German Firms Greener?** *Sefa Takmaz (Universitat Autònoma de Barcelona), Sedat Alataş (Aydın Adnan Menderes University)* Discussant: *Jiwei Liu*
Proposal Success in a European Call for Digital Innovation Intermediaries: A Text Analysis of Applications *Anna Lejpras (Business and Law School Berlin), Daniel Nepelski (European Commission, Joint Research Centre)* Discussant: *Alexandre Gnaedinger*	**What is an AI worker? Evidence from Matched Vacancy-Hires** *Mark Hellsten (University of Tübingen)* Discussant: *Flavio Calvinoa*	**How to Silence Researchers? Evidence from Illiberal Policies in Hungary** *Luc Paluskiewicz (Paris School of Economics), Raphael Wargon (Paris School of Economics)* Discussant: *Franziska Kaiser*	**CVC Investments in Green Technologies: Their Impact on Environmental Performance** *Valeriia Tishakova (Maastricht University), Boris Lokshin (Maastricht University), Simon Kleinert (Leibniz Universität Hannover)* Discussant: *Sefa Takmaz*

11:00 – 12:00 Parallel Session V			
Room Brussels **V.A: Trademarks & Patent Oppositions** Chair: Bernhard Ganglmair	Room 1 **V.B: Innovation Incentives** Chair: Luca Sandrini	Room 2 **V.C: Innovation in the Automotive Industry** Chair: Georg Licht	Media Room **V.D: Green Innovation II** Chair: Alexandra Badort
Trademark Bullying *Christian Helmers (Santa Clara University & KU Leuven)* Discussant: *Carolina Castaldi*	**Abundance of Ideas, R&D Subsidies, and Patent Policy** *Nisvan Erkal (University of Melbourne), Paveenapat Niennattrakul (University of Melbourne)* Discussant: *Edward Brookman*	**Measuring the Impact of EV Demand-Side Incentives on Innovation** *Antoine Dechezlepretre (OECD), Antton Haramboure (OECD), and Marco Zeppi (OECD, KU Leuven)* Discussant: *Georg Licht*	**Green Innovation Spillovers Through Production Networks** *Jiwei Liu (Durham University)* Discussant: *Daniele Moschella*
Pre-Grant Patent Oppositions: Evidence from Chile Jorge Lemus (University of Illinois), Tatiana Rosa (Development Bank of Latin America and the Caribbean), Danica Mardesic (Clarke Modet) Discussant: *Bernhard Ganglmair*	**Innovation Races with Public Benchmarks: Theory and Evidence from AI** *Edward Brookman (University of Nottingham)* Discussant: *Luca Sandrini*	**Automotive Emissions-Control Innovation under Emission Regulation: Evidence from India's Bharat Stage Standards** Tsewang Stanzin (Indian Institute of Technology), Ruchi Sharma (Indian Institute of Technology) Discussant: *Marco Zeppi*	**Twin Transition Skill Demand and Regional Productivity** *Alexandra Badort (LUISS Guido Carli, UNU-MERIT, Technical University of Munich), Bernardo Caldarola (European Commission, UNU-MERIT, University of Manchester), Tommaso Ciarli (UNU-MERIT, University of Sussex), Sidharth Rony (UNU-MERIT)* Discussant: *Lisa Keding*

14:15 – 15:45 Parallel Session VI			
Room Brussels **VI.A: Entrepreneurship** Chair: Hanna Hottenrott	Room 1 **VI.B: AI & Digital Technologies** Chair: Martin Woerter	Room 2 **VI.C: Drivers of Innovation** Chair: Peiyu Zhan	Media Room **VI.D: Standards & Licensing** Chair: Jorge Lemus
Non-Compete Agreements and the Composition of Entrepreneurship *Nic Dorsch (IWH Halle), Alexander Reifschneider (IWH Halle)* Discussant: *Xuelai Li*	**Do Technological Capabilities and Vertical Chain Collaboration Foster AI Adoption in Firms? A Comparative Study of Spain and the Netherlands** *Elene Esiava (Maastricht University), Martin Carree (Maastricht University), Boris Lokshin (Maastricht University), Ester Martínez-Ros (Universidad Carlos III de Madrid)* Discussant: Alexandra Badort	**Strategic Renewal of Resources and Capabilities: Data Breaches and Firm Innovation** *Domenika Uskova (Warwick Business School, Nova School of Business and Economics), Giuliana Battisti (Warwick Business School), Noni Symeonidou (Warwick Business School)* Discussant: Peiyu Zhan	**On Negotiating Prices in Standard-Setting Organizations** *Salvatore Piccolo (University of Bergamo and Econic Partners LLC), Patrick Rey (Toulouse School of Economics), Pekka Sääskilahti (Compass Lexecon), Federico Vaccari (University of Bergamo)* Discussant: *Dominik Fischer*
Multinational Firms and Entrepreneurship *Itai Ater (Tel Aviv University, CEPR), Noam Gruber (International Monetary Fund), Sarit Weisburd (Hebrew University)* Discussant: *Nic Dorsch*	**What Is Accumulated AI Innovation Worth? Selection versus Learning in AI Patenting** *Saleh Zakerinia (IWH Halle, Friedrich Schiller University Jena)* Discussant: *Elene Esiava*	**Measuring drivers of innovation beyond R&D: The case of SMEs in lagging regions** *Leonie Reher (ifh Göttingen, University of Göttingen), Petrik Runst (ifh Göttingen, Thünen Institute of Rural Economics), Jörg Thomä (ifh Göttingen), Kilian Bizer (ifh Göttingen, University of Göttingen)* Discussant: *Domenika Uskova*	**Technology Licensing and the Direction of Innovation** *Fabio M. Manenti (University of Padova), Luca Sandrini (University of Padova and ZEW Mannheim)* Discussant: *Federico Vaccari*
Commercialization Infrastructure, External Finance, and Academic Entrepreneurship *Xuelai Li (Imperial College London), Xizhao Wang (Northwestern University)* Discussant: *Sarit Weisburd*	**Wired for Disruption: Pre-Crisis Digital Technologies and COVID Resilience and Recovery** *Dolores Anón Higón (Universitat de Valencia), Oscar Vicente-Chirivella (Universitat de Valencia), Martin Woerter (ETH Zurich)* Discussant: *Saleh Zakerinia*	**Race and Reconfigure: The Impact of Formal Standardization on Corporate Technology Portfolios** Peiyu Zhan (University of Manchester), Silvia Massini (University of Manchester), Mabel Sanchez Barrioluengo (University of Manchester) Discussant: *Leonie Reher*	**Injunction Frameworks and the Licensing of Standard-Essential Patents** *Benno Buehler (Charles River Associates), Dominik Fischer (Charles River Associates), Bernhard Ganglmair (University of Mannheim and ZEW Mannheim)* Discussant: Jorge Lemus