

22<sup>nd</sup> Conference on the

# Economics of Information and Communication Technologies

27-28 June 2024, Mannheim - program as of 20 June 2024

THURSDAY, 27 June 2024

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**PROGRAMME**

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08:30

**REGISTRATION**

09:00

**OPENING REMARKS**

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09:15 – 10:45

Session I A – Room Strasbourg

**TECHNOLOGY ADOPTION AND IMPACT**

Chair: Francesco Venturini (Università degli Studi di Urbino)

**ARE WE YET SICK OF NEW TECHNOLOGIES? THE UNEQUAL HEALTH EFFECTS OF DIGITALIZATION**

Melanie Arntz\* (ZEW Mannheim and University of Heidelberg), Sebastian Findeisen (University of Konstanz), Stephan Maurer (University of Edinburgh), Oliver Schlenker (University of Konstanz and ZEW Mannheim)

Discussant: Sebastian Steffen (Boston College)

**FIRMS AND BIG DATA: ADOPTION, USE AND IMPACTS**

Alejandro Rabano\* (Universitat Pompeu Fabra)

Discussant: Shasha Li (Halle Institute for Economic Research)

Session I B – Room Luxembourg

**SOCIAL MEDIA**

Chair: Julius Göttele (Paris School of Economics)

**MORAL CHARACTERS: SOCIAL MEDIA AND U.S. CONGRESSIONAL ELECTIONS**Edoardo Grillo\* (University of Padova), Juan S. Morales (Wilfrid Laurier University) and Alessandra Moresi (Collegio Carlo Alberto)  
Discussant: Marita Freimane (University of Zurich and KU Leuven)**HOW DIGITAL MEDIA MARKETS AMPLIFY NEWS SENTIMENT**

Lara Marie Berger\* (University of Cologne)

Discussant: Raphaela Andres (ZEW)

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	<p><b>MOBILE TECHNOLOGIES AND FIRM FORMALIZATION: EVIDENCE FROM UGANDA</b></p> <p>Marina Dodlova* (University of Münster, CESifo), Krisztina Kis-Katos (University of Göttingen), Anna Kochanova (University of Cardiff), Olivia Wirth (University of Passau)</p> <p>Discussant: Francesco Venturini (Università degli Studi di Urbino)</p>	<p><b>CONTENT REGULATION AND CONTENT PRODUCTION ON SOCIAL MEDIA: EVIDENCE FROM NETZDG</b></p> <p>Raphaela Andres (ZEW) and Olga Slivko* (Rotterdam School of Management, Erasmus University)</p> <p>Discussant: Julius Gödde (Paris School of Economics)</p>
10:45 – 11:15	BREAK	
11:15 – 12:45	<p>Session II A – Room Strasbourg</p> <p><b>DIGITAL SKILLS</b></p> <p>Chair: Enrico De Monte (ZEW)</p> <p><b>SKILLS OR DEGREE? THE RISE OF SKILL-BASED HIRING FOR AI AND GREEN JOBS</b></p> <p>Eugenia Gonzales-Ehlinger (OECD) and Fabian Stephany* (University of Oxford)</p> <p>Discussant: Luca Fontanelli (University of Brescia)</p> <p><b>SKILLS, JOB APPLICATION BEHAVIOR AND THE GENDER WAGE GAP: EVIDENCE FROM ONLINE FREELANCING</b></p> <p>Otto Kässi (ETLA Research), Eliza Stenzhorn* (ZEW) and Ole Teutloff (Copenhagen University)</p> <p>Discussant: Marina Dodlova (University of Münster, CESifo)</p> <p><b>MIND OVER MATTER: THE IMPACT OF IT HUMAN CAPITAL ON FIRM PRODUCTIVITY IN THE DIGITAL AGE</b></p> <p>Erik Brynjolfsson, Wang Jin (Stanford University) and Sebastian Steffen* (Boston College)</p> <p>Discussant: Enrico De Monte (ZEW)</p>	<p>Session II B – Room Luxembourg</p> <p><b>ARTIFICIAL INTELLIGENCE I</b></p> <p>Chair: Luca Sandrini (ZEW)</p> <p><b>THE EFFECT OF VOICE AI ON DIGITAL COMMERCE</b></p> <p>Chenshuo Sun* (National University of Singapore), Zijun Shi, (HKUST), Xiao Liu and Anindya Ghose (New York University)</p> <p>Discussant: Carlo Reggiani (JRC Sevilla and Manchester University)</p> <p><b>GENERATIVE AI AND DISTRIBUTED WORK: EVIDENCE FROM OPEN SOURCE SOFTWARE</b></p> <p>Manuel Hoffmann*, Sam Boysel, Frank Nagle (Harvard Business School), Sida Peng (Microsoft Corporation) and Kevin Xu (GitHub Inc.)</p> <p>Discussant: Yanli Liu (Northeastern University)</p> <p><b>THE POTENTIAL WELFARE BENEFITS OF AI IN A DIFFERENTIATED PRODUCT MARKET</b></p> <p>Imke Reimers (Cornell University and ZEW), Chris Riedl (Northeastern University) and Joel Waldfogel* (University of Minnesota, NBER and ZEW)</p> <p>Discussant: Luca Sandrini (ZEW)</p>

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12:45 – 14:00

LUNCH BREAK

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14:00 – 15:00

**KEYNOTE I – ROOM LUXEMBOURG**

Chair: Luca Sandrini (ZEW)

**TOMMASO VALLETTI (IMPERIAL COLLEGE LONDON)**

**MARKET POWER AND POLITICAL POWER: IS THERE A CURSE OF BIGNESS?**

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15:00 – 15:15

SHORT BREAK

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15:15 – 16:15

Session III A – Room Strasbourg

**SEARCH AND BIAS**

Chair: Jacopo Gambato (University of Mannheim and ZEW)

**A FRAMEWORK FOR DETECTION, MEASUREMENT AND WELFARE ANALYSIS OF PLATFORM BIAS**

Imke Reimers\* (Cornell University and ZEW) and Joel Waldfogel (University of Minnesota, NBER and ZEW)

Discussant: Manuel Hoffmann (Harvard Business School)

**CONSUMER SEARCH AND PRICE COMPARISON IN THE RIDE SHARING MARKET, THEORY AND CALIBRATION**

Jeffrey Fossett\*, Michael Luca (Harvard Business School), Fiona Scott-Morton (Yale School of Management) and Yejia Xu (Harvard Business School)

Discussant: Jacopo Gambato (University of Mannheim and ZEW)

Session III B – Room Luxembourg

**ONLINE ADVERTISING**

Chair: Chris Forman (Cornell University)

**USING THE DUAL-PRIVACY FRAMEWORK TO UNDERSTAND CONSUMERS' PERCEIVED PRIVACY VIOLATIONS UNDER DIFFERENT FIRM PRACTICES IN ONLINE ADVERTISING**

Kinshuk Jerath (Columbia Business School) and Klaus M. Miller\* (HEC Paris)

Discussant: Timo Müller-Tribbensee (Goethe University)

**LEARNING, SOPHISTICATION, AND THE RETURNS TO ADVERTISING: IMPLICATIONS FOR DIFFERENCES IN FIRM PERFORMANCE**

Steve Tadelis\* (University of California Berkeley), Christopher Hooton, Utsav Manjeer, Daniel Deisenroth (META Inc.), Nils Wernerfelt (Northwestern University), Nick Dadson, Lindsay Greenbaum (Analysis Group)

Discussant: Chris Forman (Cornell University)

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16:15 – 16:45

BREAK

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16:45 – 18:15

Session IV A – Room Strasbourg

**PRICING IN DIGITAL MARKETS**

Chair: Muxin Li (Bocconi University)

**DIFFERENTIAL PRICING OF INTERNET TRAFFIC: THEORY AND EMPIRICAL ANALYSIS**

Danhou Li (National University of Singapore) and C. Matthew Shi\* (Chinese University of Hong Kong)

Discussant: Klaus M. Miller (HEC Paris)

**HUMAN-MACHINE INTERACTIONS IN PRICING: EVIDENCE FROM TWO LARGE-SCALE FIELD EXPERIMENTS**

Tobias Huelden\*, Vitalijs Jascisens, Lars Roemheld (Zalando) and Tobias Werner (Center for Humans and Machines at MPI for Human Development)

Discussant: Chenshuo Sun (National University of Singapore)

**THE WELFARE EFFECTS OF BEHAVIOR-BASED PRICE DISCRIMINATION IN E-COMMERCE**

Francesco Gabriele\* (University of Southern California)

Discussant: Muxin Li (Bocconi University)

Session IV B – Room Luxembourg

**DIGITAL PLATFORMS I**

Chair: Mike Ward (University of Texas at Arlington)

**NOT AS GOOD AS IT USED TO BE: DO STREAMING PLATFORMS PENALIZE QUALITY?**

Jacopo Gambato\* (University of Mannheim and ZEW) and Luca Sandrini (ZEW)

Discussant: Simon Anderson (University of Virginia and CEPR)

**FREE AND OPEN-SOURCE SOFTWARE: COORDINATION AND COMPETITION**

Robin Ng\* (University of Mannheim)

Discussant: Michael Kummer (Universidade Nova de Lisboa)

**LET THAT SYNC IN: THE EFFECT OF MUSIC REUSE ON PRODUCT DISCOVERY**

Luis Aguiar\* and Zhizhong Chen (University of Zurich)

Discussant: Mike Ward (University of Texas at Arlington)

19:00

CONFERENCE DINNER AT ZEW

09:30 – 10:30

**KEYNOTE II – ROOM LUXEMBOURG**

Chair: Irene Bertschek (ZEW)

**MARIA PETROVA (UNIVERSITAT POMPEU FABRA)**

**SOCIALIZING ALONE: HOW ONLINE HOMOPHILY HAS UNDERMINED SOCIAL COHESION IN THE US**

10:30 – 11:00

BREAK

11:00 – 12:30

Session V A – Room Strasbourg

**DIGITAL PLATFORMS II**

Chair: Ginger Zhe Jin (University of Maryland)

**ENTRY AND COMPETITION IN PLATFORM MARKETS. EVIDENCE FROM THE EUROPEAN TABLET INDUSTRY**

Nestor Duch-Brown (JRC Sevilla), Maciej Sobolewski\* (Warsaw University)

Discussant: Riccardo Silvestrini (Erasmus School of Economics)

**MARKET POWER INCREASE AND SECTORAL HETEROGENEITY: THE ROLE OF E-COMMERCE PLATFORMS**

Riccardo Silvestrini\* (Erasmus School of Economics)

Discussant: Luis Aguiar (University of Zurich)

**PLATFORM DESIGN, HARASSMENT, AND PRODUCTIVITY**

Marita Freimane\* (University of Zurich and KU Leuven)

Discussant: Ginger Zhe Jin (University of Maryland)

Session V B – Room Luxembourg

**PRIVACY**

Chair: Daniil Larionov (ZEW)

**HOW DOES DISABLING COOKIE TRACKING IMPACT ONLINE NEWS CONSUMPTION?**

Yufei Shen\* (Nova School of Business and Economics), Klaus M. Miller and Xitong Li (HEC Paris)

Discussant: Edoardo Grillo (University of Padova)

**PAYING FOR PRIVACY: PAY OR TRACKING WALLS**

Timo Müller-Tribbensee\* (Goethe University), Klaus M. Miller (HEC Paris), Bernd Skiera (Goethe University)

Discussant: Matthew Shi (Chinese University of Hong Kong)

**MERCHANTS OF VULNERABILITIES: BUG BOUNTY PROGRAMS AND THEIR IMPACT ON SOFTWARE**

Esther Gal-Or, Muhammad Zia Hydari (University of Pittsburgh), and Rahul Telang\* (Carnegie Mellon University)

Discussant: Daniil Larionov (ZEW)

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12:30 – 13:30

LUNCH BREAK

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13:30 – 15:00

Session VI A – Room Strasbourg

**ARTIFICIAL INTELLIGENCE II**

Chair: Rahul Telang (Carnegie Mellon University)

**AUTOMATED SOCIAL SCIENCE: A STRUCTURAL CAUSAL MODEL-BASED APPROACH**

Benjamin Manning\* (MIT), Kehang Zhu (Harvard University) and John J. Horton (MIT and NBER)

Discussant: Joel Waldfogel (University of Minnesota, NBER and ZEW)

**ADVISED BY AN ALGORITHM: LEARNING WITH DIFFERENT INFORMATIONAL RESOURCES AND REACTIONS TO HETEROGENEOUS ADVICE QUALITY**

Jan Biermann (University of Hamburg), John J. Horton (MIT and NBER) and Johannes Walter\* (ZEW and KIT)

Discussant: Yufei Shen (Nova School of Business and Economics)

**PRODUCTIVITY PERFORMANCE, DISTANCE TO FRONTIER AND AI INNOVATION: FIRM-LEVEL EVIDENCE FROM EUROPE**

Larissa da Silva Marioni (NIESR), Ana Rincon-Aznar (CMA) and Francesco Venturini\* (Università degli Studi di Urbino)

Discussant: Rahul Telang (Carnegie Mellon University)

Session VI B – Room Luxembourg

**ALGORITHMS AND DATA**

Chair: Imke Reimers (Cornell University and ZEW)

**DEFAULT DATA MANIPULATION IN MARKETPLACE LENDING**

Yutong Hu (London Business School) and Shasha Li\* (Halle Institute for Economic Research)

Discussant: Patrick Breithaupt (ZEW)

**AN EXPERIMENTAL APPROACH TO MEASURE SOCIAL BIAS IN VISION-LANGUAGE MODELS**

Carina Hausladen\*, Manuel Knott (ETH Zurich), Pietro Perona and Colin F. Camerer (California Institute of Technology)

Discussant: Eliza Stenzhorn (ZEW)

**DOES HUMAN-ALGORITHM FEEDBACK LOOP LEAD TO ERROR PROPAGATION? EVIDENCE FROM ZILLOW'S ZESTIMATE**

Runshan Fu (New York University), Ginger Zhe Jin\* (University of Maryland) and Meng Liu (Washington University in Saint Louis)

Discussant: Imke Reimers (Cornell University and ZEW)

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15:00 – 15:30

BREAK

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15:30 – 17:00

Session VII A – Room Strasbourg

**PLATFORM REGULATION**

Chair: Atabek Atayev (ZEW)

**THE PRICE EFFECTS OF PROHIBITING PRICE PARITY CLAUSES:  
EVIDENCE FROM INTERNATIONAL HOTEL GROUPS**

Jack Ma (University of Oxford), Andrea Mantovani Toulouse School of Economics), Carlo Reggiani\* (JRC Sevilla and University of Manchester), Annette Broocks and Nestor Duch-Brown (JRC Sevilla)  
Discussant: Bernhard Ganglmair (ZEW and University of Mannheim)

**PRODUCT RECOMMENDATIONS AND PRICE-PARITY CLAUSES**

Martin Peitz\* and Anton Sobolev (University of Mannheim and MaCCI)  
Discussant: Francesco Gabriele (University of Southern California)

**APP PLATFORM MODEL**

Simon Anderson\* (University of Virginia and CEPR) and Özlem Bedre-Defolie (European University Institute, ESMT Berlin and CEPR)  
Discussant: Atabek Atayev (ZEW)

Session VII B – Room Luxembourg

**DIGITIZATION AND THE LABOR MARKET**

Chair: Mary O'Mahony (King's College London)

**THE RISE OF DIGITAL TECHNOLOGIES AND THEIR IMPACT ON  
DEMAND FOR LABOR AND SKILLS**

Niklas Benner, Felix Heuer, Roman Klauser\* and Eduard Storm (RWI - Leibniz Institute for Economic Research)  
Discussant: Effrosyni Adamopoulou (ZEW and University of Mannheim)

**THE HUMAN CAPITAL OF FIRMS USING AI**

Flavio Calvino, Chiara Criscuolo (OECD), Luca Fontanelli\* (University of Brescia), Lionel Nesta (Université Cote D'Azur) and Elena Verdolini (University of Brescia)  
Discussant: Thomas Niebel (ZEW)

**THE EMPLOYMENT IMPACT OF EMERGING DIGITAL TECHNOLOGIES**

Ekaterina Prytkova\* (University of Sussex), Fabien Petit (University College London), Deyu Li (Utrecht University), Sugat Chaturvedi (Ahmedabad University), Tommaso Ciarli (United Nations University, UNU-MERIT)  
Discussant: Mary O'Mahony (King's College London)

17:00

CLOSING REMARKS

17:15 – 18:45/19:00

GUIDED CITY TOUR