

22nd Conference on the Economics of Information and Communication Technologies

27-28 June 2024, Mannheim preliminary program as of June 10, 2024

THURSDAY, 27 June 2024

PROGRAMME

08:30

REGISTRATION

09:00

OPENING REMARKS

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 Institut fo Economic Research and
OVGU)

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 Padua), 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)

MOBILE TECHNOLOGIES AND FIRM FORMALIZATION: EVIDENCE FROM UGANDA

Marina Dodlova* (University of Münster, CESifo), Krisztina Kis-Katos (University of Göttingen), Anna Kochanova (University of Cardiff), Olivia Wirth (University of Passau)

Discussant: Francesco Venturini (Università degli Studi di Urbino)

CONTENT REGULATION AND CONTENT PRODUCTION ON SOCIAL MEDIA: EVIDENCE FROM NETZDG

Raphaella Andres (ZEW) and Olga Slivko* (Rotterdam School of Management, Erasmus University)

Discussant: Julius Gödde (Paris School of Economics)

10:45 – 11:15

BREAK

11:15 – 12:45

Session II A – Room Strasbourg

DIGITAL SKILLS

Chair: Enrico De Monte (ZEW)

Session II B – Room Luxembourg

ARTIFICIAL INTELLIGENCE I

Chair: Luca Sandrini (ZEW)

SKILLS OR DEGREE? THE RISE OF SKILL-BASED HIRING FOR AI AND GREEN JOBS

Eugenia Gonzales-Ehlinger (OECD) and Fabian Stephany* (University of Oxford)

Discussant: Luca Fontanelli (University of Brescia)

THE EFFECT OF VOICE AI ON DIGITAL COMMERCE

Chenshuo Sun* (National University of Singapore), Zijun Shi, (HKUST), Xiao Liu (NYU) and Anindya Ghose (NYU)

Discussant: Carlo Reggiani (JRC Seville and Manchester University)

SKILLS, JOB APPLICATION BEHAVIOR AND THE GENDER WAGE GAP: EVIDENCE FROM ONLINE FREELANCING

Otto Kässi (ETLA Research), Eliza Stenzhorn* (ZEW) and Ole Teutloff (Copenhagen University)

Discussant: Marina Dodlova (University of Münster, CESifo)

GENERATIVE AI AND DISTRIBUTED WORK: EVIDENCE FROM OPEN SOURCE SOFTWARE

Manuel Hoffmann*, Sam Boysel, Frank Nagle (Harvard Business School), Sida Peng (Microsoft Corporation) and Kevin Xu (GitHub Inc.)

Discussant: Yanli Liu (Northeastern University)

MIND OVER MATTER: THE IMPACT OF IT HUMAN CAPITAL ON FIRM PRODUCTIVITY IN THE DIGITAL AGE

Erik Brynjolfsson, Wang Jin (Stanford University) and Sebastian Steffen* (Boston College)

Discussant: Enrico De Monte (ZEW)

THE POTENTIAL WELFARE BENEFITS OF AI IN A DIFFERENTIATED PRODUCT MARKET

Imke Reimers (Cornell University and ZEW), Chris Riedl (Northeastern University) and Joel Waldfogel* (University of Minnesota, NBER and ZEW)

Discussant: Luca Sandrini (ZEW)

12:45 – 14:00 LUNCH BREAK

14:00 – 15:00

KEYNOTE I – ROOM LUXEMBOURG

Chair:

TOMMASO VALLETTI (IMPERIAL COLLEGE LONDON)

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

15:00 – 15:15

SHORT BREAK

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

Discussant: Chris Forman (Cornell University)

16:15 – 16:45

BREAK

16.45 – 18:15

Session IV A – Room Strasbourg

PRICING IN DIGITAL MARKETS

Chair: Muxin Li (University of Bocconi)

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 (University of Bocconi)

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:

MARIA PETROVA (UNIVERSITAT POMPEU FABRA)

TBA

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 Seville), 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 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)

12:30 – 13:30

LUNCH BREAK

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) 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 Institut for Economic Reserach and OVGU)

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 (NYU), Ginger Zhe Jin* (University of Maryland) and Meng Liu (Washington University in Saint Louis)

Discussant: Imke Reimers (Cornell University and ZEW)

15:00 – 15:30

BREAK

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, Andrea Mantovani, Carlo Reggiani* (JRC and University of Manchester), Annette Broocks and Nestor Duch-Brown

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