

VENICE SUMMER INSTITUTE 2023

Technological Change and the Future of Work: Combining Disciplinary Approaches

San Servolo, 21–22 June 2023

Organizers: Maria Savona and Oliver Falck

Program

Presenting authors are denoted in capital letters | Timing for regular papers: 20 minutes presentation and 10 minutes discussion

Wednesday, 21 June 2023

9:00 – 9:15 **Welcome and Brief Introduction to the Workshop within PILLARS**
MARIA SAVONA (University of Sussex) and SIMON WIEDERHOLD

Keynote Debate I
Moderator: Maria Savona

9:15 – 10:30 **Technology and the Future of Work: A Policy Conundrum**
JUDY WAJCMAN (LSE) and LUC SOETE (UNU-Merit)

10:30 – 11:00 **Coffee Break**

Session 1:
Measuring Exposure to Emerging Technologies
Chair: Tommaso Ciarli

11:00 – 11:30 **Emerging Technologies, Tasks, Skills, and Industry Exposure:
Result from a Real Time Delphi Survey**
ANA OLIVEIRA (UNU-Merit), Tommaso Ciarli, Chiel Scholten

11:30 – 12:00 **Revealing Semantics: Exposure of Industries and Occupations to Emerging STI
Areas**
EKATERINA PRYTKOVA (University of Sussex), Fabien Petit, Deyu Li, Tommaso Ciarli,
Deyu Li

12:00 – 12:30 **Forecasting Emerging Technologies: The Case of Blockchain Skills**
KLAVS CIPRIKIS (Economic and Social Research Institute), Adele Whelan, Paul
Redmond, Abian Garcia Rodriguez, Seamus McGuinness

12:30 – 14:00 **Lunch**

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Session 2:

European Comparative Evidence on the Effects of Digital Automation on Labor Markets

Chair: Simon Wiederhold

- 14:00 – 14:30 **The Future Geography of Occupations in the European Union**
MILENE TESSARIN (Utrecht University), Deyu Li, Sergio Petralia, Ron Boschma
- 14:30 – 15:00 **Investment Cycles in Automation Technologies and Labor Markets:
Evidence from European Regions**
FABIEN PETIT (University of Sussex), Tommaso Ciarli, Teresa Farinha, Florencia Jaccoud, Maria Savona

Session 3:

Impacts of Innovation on the Labor Market

Chair: Maria Savona

- 15:00 – 15:30 **The Past and Future of Work: How History Can Inform the Age of Automation**
BENJAMIN SCHNEIDER (Oslo Metropolitan University) and HILLARY VIPOND
(London School of Economics and Political Science)
- 15:30 – 16:00 **How Task-Biased is Capital-Embodied Innovation?**
HYEJIN PARK (Université de Montréal), Younghun Shim
- 16:00 – 16:30 **Coffee Break**

Session 4:

Firms and Workers' Behaviors

Chair: Simon Wiederhold

- 16:30 – 17:00 **Automation Potential of Occupations and Workers' Labor Market Expectations**
KATHARINA WEDEL (ifo Institute), Philipp Lergetporer, Katharina Werner
- 17:00 – 17:30 **Automation, Firm-Level Employment and Industry Dynamics: New Evidence from
Italy**
DANIELE MOSCHELLA (Scuola Superiore Sant'Anna), Laura Bisio, Angelo Cuzzola,
Marco Grazzi
- 17:30 – 18:00 **The Value of Skills: New Evidence from Apprenticeship Plans**
CHRISTINA LANGER (KU Eichstätt-Ingolstadt), Simon Wiederhold
- 19:30 **Conference Dinner on San Servolo (English Courtyard)**

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Thursday, 22 June 2023

Keynote Debate II

Moderator: Tommaso Ciarli

9:15 – 10:30 **Articulating Skill Complementarity Between Workers and Machines**
ALEXANDRA SPITZ-OENER (Humboldt University Berlin) and FRANK NEFFKE
(Complexity Science Hub Vienna)

10:30 – 11:00 **Coffee Break**

Session 5:

Skills

Chair: Simon Wiederhold

11:00 – 11:30 **What Is the Price of a Skill? Understanding the Role of Complementarity**
FABIEN STEPHANY (University of Oxford), Ole Teutloff, Vili Lehdonvirta

11:30 – 12:00 **The Human Behind the Machine: Employers, Jobs, and Skills in the Age of AI in 14 OECD Countries**
LAYLA O’KANE (Lightcast), Julia Nania, Julia Nitschke, Flavio Calvino, Chiara Criscuolo, Lea Samek, Francesca Borgonovi, Helke Seitz

12:00 – 12:30 **Training, Automation, and Wages: Individual-Level Evidence from PIAAC**
YUCHEN MO GUO (KU Eichstätt-Ingolstadt), Oliver Falck, Christina Langer, Valentin Lindlacher, Simon Wiederhold

12:30 **Lunch** (San Servolo Restaurant is open until 2.30 pm)

End of Conference