



Paris PILLARS workshop: Digitization, AI and Labor Outcomes

October 5-6, 2023

Université Paris 1 Panthéon-Sorbonne
Maison des Sciences Économiques (6th floor)
112 Bd de l'Hôpital, 75013 Paris

https://www.h2020-pillars.eu/workshop_paris

Organized by : Ariell Reshef

Thursday, October 5

8:50 - 9:00 **Welcome**

9:00 – 10:30 **Perspectives I**

- **Donghyun Suh (University of Virginia):** Scenarios for the Transition to AGI (with Anton Korinek)
- **Maria Savona (University of Sussex):** Emerging digital technologies and the Future of Work (with Tommaso Ciarli, Ed Steinmueller, Simone Vannuccini)

10:30 – 11:00 **Coffee break**

11:00 – 13:00 **Jobs**

- **Roland Rathelot (ENSAE, Polytechnique):** How can AI improve search and matching? Evidence from 59 million personalized job recommendations (with Thomas Le Barbanchon and Lena Hensvik)
- **Katherine Stapleton (World Bank):** AI and services-led growth: Evidence from Indian job adverts (with Alexander Copestake, Max Marczinek, Ashley Pople)
- **Emilie Rademakers (University of Utrecht):** Resilience to Automation: The Role of Task Overlap for Job Finding (with Diego Dabed, Sabrina Genz)

13:00 – 14:30 **Lunch**

14:30 – 16:00 **Labor and firms**

- **Sabrina Genz (University of Utrecht):** Task Shifts in the Fourth Industrial Revolution: Firm-Level Evidence (with Melanie Arntz, Terry Gregory, Florian Lehmer, Ulrich Zierahn-Weilage)
- **Ariell Reshef (Paris 1, PSE):** Digitalization, Polarisation in Non-Pecuniary Working Conditions and Work Satisfaction (with Sarah Fleche, Eva Moreno-Galbis, Lorenzo Rotunno, Claudia Senik)

16:00 – 16:30 **Coffee break**

16:30 – 18:15 **Trade**

- **Daniel Trefler (University of Toronto):** The Impact of AI and Cross-Border Data Regulation on International Trade in Digital Services: A Large Language Model Approach (with Ruiqi Sun)
- **Christian Volpe Martinicus (IADB):** Trade Policy Meets Digital Technologies: How Digitalization of Trade Procedures Affects Firms' Exports (with Jerónimo Carballo, Alejandro Graziano, Georg Schaur)

20:00 – **Workshop dinner**

Friday, October 6

9:00 – 10:30 Firms

- **Flavio Calvino (OECD):** A portrait of AI adopters across countries: Firm characteristics, assets' complementarities and productivity (with Luca Fontanelli)
- **Tomasz Michalski (HEC):** Knowledge workers and Firm Capabilities (with Eric Mengus)

10:30 – 11:00 Coffee break

11:00 – 12:30 Perspectives II

- **Elena Verdolini (University of Brescia):** Interlinkages between the just ecological transition and the digital transformation
- **Ana Oliveira (UNU-MERIT, Utrecht):** The Future of digital automation technologies tasks and skills. A Delphi survey (with Tommaso Ciarli, Rafael Consentino de la Vega, Chiel Scholten)

12:30 – 14:00 Lunch

14:00 – 15:30 Impacts

- **Simon Bunel (Banque de France):** Modern Manufacturing Capital, Labor Demand, and Product Market Dynamics: Evidence from France
- **Tommaso Ciarli (UNU-MERIT, University of Sussex):** Industry and occupation exposure to emerging digital automation technologies
- **15:30 – 16:00 Coffee break**

16:00 – 17:30 Training and skills

- **Oliver Falck (ifo, LMU):** Training, Automation, and Wages: Individual-Level Evidence from PIAAC (with Yuchen Guo, Simon Wiederhold)
- **James Bessen (Boston University; via zoom):** Technology and the Total Demand for Skills (with Erich Denk, Chen Meng)

List of participants

James Bessen	Technology & Policy Research Initiative, Boston University
Simon Bunel	Banque de France and PSE
Flavio Calvino	OECD Directorate for Science, Technology and Innovation
Tommaso Ciarli	UNU-MERIT, United Nations University and SPRU, University of Sussex
Oliver Falck	Ifo Institute and LMU Munich
Sabrina Genz	Utrecht University
Christian Volpe Martinicus	IADB
Tomasz Michalski	HEC Paris
Ana Oliveira	Utrecht University and UNU-MERIT
Emilie Rademakers	Utrecht University
Roland Rathelot	ENSAE, Institut Polytechnique de Paris
Ariell Reshef	Paris 1 and Paris School of Economics
Maria Savona	SPRU
Katherine Stapleton	World Bank
Donghoon Suh	University of Virginia
Daniel Trefler	University of Toronto
Elena Verdolini	University of Brescia