

Pillars EconPol Conference

European Labor Markets Mastering Technological and Structural Change

11 – 12 July 2022 in Brussels

Representation of the Free State of Bavaria to the EU, Rue Wiertz 77

Program (all times in CEST)

Monday, 11 July 2022

8:30 **Registration and Coffee**

9:00 **Welcome Address**
Oliver Falck (Pillars Coordinator and CESifo Program Director)

Parallel Session A: Main conference room

Parallel Sessions B: Institute, 2nd floor

9:10–11:10 **Parallel Sessions I**

1a) REGIONAL TRANSFORMATION OF TECHNOLOGIES, SKILLS AND INDUSTRIES

Session chair: Maria Savona (University of Sussex)

The UNESCO Recommendation on the Ethics of AI: Leveraging on AI for a More Inclusive Future

Mariagrazia Squicciarini (UNESCO)

Online

Skill Complexity and the Future of Work

Morgan Frank (University of Pittsburgh)

The Reallocation of Employment over Automation Waves: An Analysis of EU regions

Florencia Jaccoud (UNU-MERIT, United Nations University)

Regional Diversification and Regional Inequality

Ron Boschma (Utrecht University)

1b) SKILLS AND THE LABOR MARKET

Session chair: Simon Wiederhold (Catholic University of Eichstätt-Ingolstadt)

Global Universal Basic Skills: Current State and Implications for World Development

Eric Hanushek (Stanford University)

The Value of Skills: New Evidence from Apprenticeship Plans

Simon Wiederhold (Catholic University of Eichstätt-Ingolstadt)

Worker Resilience to Automation: The Role of Task Overlap and Worker Mobility in Job Search

Emilie Rademakers (Utrecht University)

Using Real-Time Data to Understand the Diffusion and Adoption of AI across Europe

Bledi Taska (Burning Glass Technologies)

11:10–11:30 **Coffee break**



11:30–13:00 **Parallel Sessions II**

2a) RESEARCH WITH TASK DATA FROM DIFFERENT COUNTRIES

Session chair: Oliver Falck (ifo Institute for Economic Research, Munich)

Jobs and Technology in Uruguay in the Context of the Pandemic: Preliminary Results from Social Security Data and the O*NET Survey

Alvaro Lalanne (UN ECLAC - Economic Commission for Latin America and the Caribbean, Universidad de Montevideo)

The Professional Lens: What Online Job Advertisements Can Say About Occupational Task Profiles

Matteo Sostero (European Commission Joint Research Centre, Brussels)

The European Union's Emissions Trading System and its Effects on Individual Employment Biographies

Florian Lehmer (Institute for Employment Research (IAB), Occupations in the Transformation, Nürnberg)

2b) TECHNOLOGY, FIRMS AND WORKERS: IMPLICATIONS FOR THE FUTURE OF WORK IN EUROPE

Session chair: Tommaso Ciarli (UNU-MERIT, United Nations University and SPRU, University of Sussex Business School)

The Future of Work: Implications for Equity and Growth in Europe

Rafael De Hoyos (World Bank)

Vocational Education and the Changing Labor Market in Europe

Iván Torre (World Bank)

Technology Adoption, Tasks and Demand for Skills in the EU

Nicolo Dalvit/Leo Iacovone/Jonathan Stöterau (World Bank)

13:00–14:00 **Lunch**

14:00–16:00 **Parallel Sessions III**

3a) ESTIMATING INDUSTRY AND OCCUPATION EXPOSURE TO EMERGING AUTOMATION TECHNOLOGIES

Session chair: Tommaso Ciarli (UNU-MERIT, United Nations University and SPRU, University of Sussex Business School)

AI Adoption in America: Who, What, and Where

Kristina McElheran (University of Toronto)

Online

How to Estimate Industry Exposure to Emerging Automation Technologies?

Ekaterina Prytkova (University of Sussex)

Online

Labour Saving Automation: A Direct Measure of Occupational Exposure

Jacopo Staccioli (Università Cattolica del Sacro Cuore, Milano)

Efforts to Improve Labour Market Information in the UK

Cath Sleeman (Nesta, UK)

3b) MIGRATION AND TECHNOLOGICAL CHANGE

Session chair: Panu Poutvaara (ifo Institute for Economic Research, Munich)

Global Mobile Inventors as Agents of Technological Change

Ernest Miguelez (Université de Bordeaux, CNRS)

Robots, AI and Immigration - A Race for Talent or of Displaced Workers

Britta Rude (ifo Institute for Economic Research, Munich)

Mobile Internet Access and the Desire to Emigrate

Joop Adema (ifo Institute for Economic Research, Munich)

16:00–16:30 **Coffee break**

16:30–18:30 **Parallel Sessions IV**

4a) PREDICTING THE LABOR MARKET WITH INTERNET DATA

Session chair: Oliver Falck (ifo Institute for Economic Research, Munich)

Offshoring and the Demand for Skills

Hani Mansour (University of Colorado Denver)

LinkedIn's Global Green Skills Report

Séin Ó Muineacháin (Economic Graph Research and Insights at LinkedIn, Dublin)

What 100 Terabytes of Public Data Has to Say About Attrition

Ben Zweig (Revelio Labs, New York)

The Covid-19 Shock and the Future of Working from Home: Evidence from Job Vacancy Postings in Germany

Christina Langer (Catholic University of Eichstätt-Ingolstadt)

4b) INTERNATIONAL TRADE AND ROBOTIZATION ALONG THE VALUE CHAIN

Session chair: Lisandra Flach (ifo Institute for Economic Research, Munich)

Robots and the Rise of European Superstar Firms

Jens Südekum (Heinrich-Heine-University, Düsseldorf)

Robotizing to Compete: Evidence from the Eastern European Enlargement

Lisandra Flach (ifo Institute for Economic Research, Munich)

Automation, GVCs and Functional Specialization

Ariell Reshef (CNRS - Centre National de la Recherche Scientifique, Paris)

North-South Trade: The Impact of Robotization

Isabella Gourevich (ifo Institute for Economic Research, Munich)

19:00–19:30 **Advisory Board Meeting** (Pillars internal)

20:00 **Conference Dinner** (invited guests only)

Tuesday, 12 July 2022

9:00 **Registration and Coffee**

9:25 **Welcome Address**

Barbara Schretter (Director of the Representation of the Free State of Bavaria to the EU)

9:30–10:30 **IMPLICATIONS OF COMPETITION WITH EMERGING COUNTRIES FOR THE EUROPEAN LABOR MARKET WITH A SPECIAL FOCUS ON CHINA AND LATIN AMERICA**

Many emerging countries have quickly caught up to the world technology frontier over the past decades, often supported by an active industrial policy favoring national firms. Accordingly, these countries no longer supply only raw materials and low-tech intermediate goods, but have also become competitors to industrial countries in high-tech goods – especially in fast-growing emerging economies. The last two years have also highlighted the fragility of global value chains. In this panel, we discuss which policies Europe should adopt and their possible consequences on European labor markets, as well as the externalities of such policies on emerging economies.

Moderator: Carolin Roth

Panelists:

Jens Südekum (Heinrich-Heine-University, Düsseldorf)

Lisandra Flach (ifo Institute for Economic Research, Munich)

Jose Porcile Meirelles (Economic Commission for Latin America and the Caribbean - ECLAC)

Diane Coyle (University of Cambridge)

10:30–11:00 **Coffee break**

11:00–12:00 **UNDERSTANDING AND IMPROVING THE IMPACT OF AUTOMATION TECHNOLOGY ON LABOR MARKETS: PANEL DISCUSSION AND PRESENTATION OF EU-LED INITIATIVES**

In 2019, the former European Commissioner for Employment, Social Affairs, Skills and Labor Mobility, Marianne Thyssen, remarked: "In a changing world of work, we cannot just expect people to get ready for and adapt to change. We, as policy-makers, must also adapt our social institutions, our rulebooks and education systems to support people, so that people can be confident about their future, and the future of their children, also in the new world of work." During this session we will showcase some examples of European initiatives that support the adaptation of institutions and policies to the new world of work, in a manner that is inclusive both for present and future labor.

Opening remark and moderation by Tatjana Guznajeva (Co-designing future policies for inclusive labour markets, Technopolis Group)

Strengthening the Europeans' Digital Skills to Improve their Inclusion in the Labour Market: What the EU does?

Arthur Treguier (Digital Economy, Recovery Plan and Skills Unit, DG CONNECT)

Foreseeing the Impact of Automation Technology on both the Current and the Future Labour Markets in Europe

Frank Siebern Thomas (Head of Unit for Fair Green and Digital Transitions, DG EMPLOYMENT)

Preparedness of the Education System in View of the Technological Transformation- Investment Insights from the European Investment Bank – EIB

Martin Humburg (Sector Economist, European Investment Bank)

Automation of Labour in the EU: Hype versus Evidence

Matteo Sostero (European Commission Joint Research Centre, Human Capital and Employment Unit)



12:00–13:00 **BUILDING LABOR MARKET POLICIES RESILIENT TO TECHNOLOGICAL CHANGE: PANEL DISCUSSION ON REGIONAL EXAMPLES ACROSS EUROPE**

Automation technology (AT) will fundamentally change many established industries, with their labor bearing the brunt of this change. Regions that are able to establish a framework to manage the upcoming challenges will have significant advantages and enhance their competitiveness vis-à-vis inactive ones. Regions need to prepare for the impending demand for new labor skills by *anticipating* the changes and nimbly adapting to the introduction of disruptive technologies. During this session we will present some examples of pertinent regional-level initiatives.

Moderator:

Stefaan Verhulst (Co-founder of the Governance Laboratory, The GovLab, at New York University and Member of the Pillars Expert Stakeholder Group)

Tools for Labour Market Policy Makers to Predict the Forthcoming Technological Changes: The Case of Estonia

Ave Ungro (Program Coordinator at Estonian Qualifications Authority (SA Kutsekoda))

Increasing the Resiliency of the Local Economy in the Face of Economic Downturns and Automation

Pirita Ihamaki (International Business Development Manager, Robocoast Digital Innovation Hub – DIH)

Insights from LinkedIn's Economic Graph in Informing Policy-Making

Séin Ó Muineacháin (Economic Graph Research and Insights at LinkedIn, Dublin)

The Role of VETs in Building Skills and Labour Markets that Are Resilient to Technological Change

Rafael de Hoyos (Program Leader Human Development – EU, World Bank)

13:00

Closing Remarks

Oliver Falck (Pillars Coordinator and CESifo Program Director)

Light Lunch and Networking

For more information about Pillars and the project partners: www.h2020-pillars.eu