

Automation, Digitization and the Future of Work

Hosted by Anke Hassel, Hertie School, in cooperation with Laura Tyson, UC Berkeley, funded by the Federal Ministry of Labour and Social Affairs

Background papers:

- [Humans versus Machines: An Overview of Research on the Effects of Automation of Work](#) (2020) by Didem Özkiziltan and Anke Hassel
- [Automation and the Future of Work in Germany: A Summary of Research and Policy Recommendations](#) (2020) by Laura Tyson

Day 1: September 1, 2020 5-7PM CET / 8-10AM PDT

The Effects of Automation and Digitization on Wages and Inequality

Chair: Prof. Laura Tyson and Prof. Anke Hassel

Session 1 - 5:00 - 6:00 PM CET

Presenter: Prof. Christian Dustmann, Professor of Economics Department of Economics, University College London; Director of CReAM – Centre for Research and Analysis of Migration

- Forthcoming paper on wage inequality in Germany
- [Reallocation Effects of the Minimum Wage](#) (2020) by Christian Dustmann, Attila Lindner, Uta Schönberg, Matthias Umkehrer, and Philipp vom Berge
- [From Sick Man of Europe to Economic Superstar: Germany's Resurgent Economy](#) (2014) by Christian Dustmann, Bernd Fitzenberger, Uta Schönberg, Alexandra Spitz-Oener
- [Revisiting the German Wage Structure](#) (2009) by Christian Dustmann, Johannes Ludsteck, Uta Schönberg

Discussant: Dr. Georgios Petropoulos, Marie Skłodowska-Curie research fellow at MIT Sloan School of Management and at Bruegel

- [Occupational Change, Artificial Intelligence and the Geography of EU Labour Markets](#) (2020) by Sybrand Brekelmans and Georgios Petropoulos
- [Digitalization and European Welfare States](#) (2019) by Georgios Petropoulos, J. Scott Marcus, Nicolas Moës, and Enrico Bergamini
- [The impact of AI on employment](#) (2018) by Georgios Petropoulos
- [The impact of industrial robots on EU employment and wages: A local labour market approach](#) (2018) by Francesco Chiacchio, Georgios Petropoulos, and David Pichler

Session 2 - 6:00 - 7:00 PM CET

Presenter: Dr. Zachary Parolin, Post-doc researcher, Columbia University

- [Automation, Occupational Earnings Trends, and the Moderating Role of Organized Labor](#) (2020) by Zachary Parolin
- [Organized labor and the employment trajectories of workers in routine jobs: Evidence from US panel data](#) (2020) by Zachary Parolin
- [Automation and Occupational Wage Trends: What Role for Unions and Collective Bargaining?](#) (2019) by Zachary Parolin

Discussant: Prof. Uta Schoenberg, Professor of Economics at University College London

- [Reallocation Effects of the Minimum Wage](#) (2020) by Christian Dustmann, Attila Lindner, Uta Schönberg, Matthias Umkehrer, and Philipp vom Berge
- [Productivity Growth, Wage Growth, and Unions](#), (2018) with Alice Kügler and Ragnhild Schreiner
- [Technological and Organizational Change and the Careers of Workers](#) (2017/19) with Michele Battisti and Christian Dustmann
- [From Sick Man of Europe to Economic Superstar: Germany's Resurgent Economy](#) (2014) by Christian Dustmann, Bernd Fitzenberger, Uta Schönberg, Alexandra Spitz-Oener

Day 2: September 2, 2020 5-7PM CET / 8-10AM PDT

The Effects of COVID-19 on Automation, Digitization and the Future of Work

Chair: Prof. Anke Hassel and Prof. Laura Tyson

Session 1- 5:00 - 6:00 PM CET

Presenter: Prof. David Autor, Ford Professor of Economics, MIT

- [The Nature of Work after the COVID Crisis: Too Few Low-Wage Jobs](#) (2020) by David Autor and Elisabeth Reynolds for the Brookings Hamilton Project
- [An Evaluation of the Paycheck Protection Program Using Administrative Payroll Data](#) (2020, preliminary) by David Autor, David Cho, Leland Crane, Mita Goldar, Byron Lutz, Joshua Montes, William Peterman, David Ratner, Daniel Villar, Ahu Yildirmaz
- [Extending the Race between Education and Technology](#) (2020) by David Autor, Claudia Goldin, Lawrence Katz
- [Toward Understanding the Impact of AI on Labor](#) (2019) by Morgan R Frank, David Autor, James E Bessen, Erik Brynjolfsson, Manuel Cebrian, David J Deming, Maryann

Feldman, Matthew Groh, José Lobo, Esteban Moro, Dashun Wang, Hyejin Youn, Iyad Rahwan

- [Work of the Past, Work of the Future](#) (2019) by David Autor
- [Is automation labor-displacing? Productivity growth, employment, and the labor share](#) (2018) by David Autor and Anna Salomons

Discussant: Prof. Melanie Arntz, Deputy of ZEW's Research Department "Labour Markets and Human Resources" and Leibniz Professor of Labour Economics at the University of Heidelberg

- [Digitalization and the Future of Work: Macroeconomic Consequences](#) (2019) by Melanie Arntz, Terry Gregory, Ulrich Zierahn
- [Technology adaption, employment stability and wage changes](#) (2019) by Melanie Arntz, Sabrina Genz, Terry Gregory, Markus Janser, Florian Lehmer, Britta Matthes, Ulrich Zierahn
- [Revisiting the Risk of Automation](#) (2017) by Melanie Arntz, Terry Gregory, Ulrich Zierahn
- [The Risk of Automation for Jobs in OECD Countries](#) (2016) by Melanie Arntz, Terry Gregory, Ulrich Zierahn

Session 2 - 6:00 - 7:00 CET

Presenter: Prof. Werner Eichhorst, Team Leader, Coordinator of Labor Market and Social Policy in Europe

- [COVID-19 Crisis Response Monitoring: Short-Run Labor Market Impacts of COVID-19, Initial Policy Measures and Beyond](#) (2020) by Werner Eichhorst et al.
- [Welfare States, Labor Markets, Social Investment and the Digital Transformation](#) (2020) by Werner Eichhorst, Anton Hemerijck, and Gemma Scalise
- [How stable is labour market dualism? Reforms of employment protection in nine European countries](#) (2019) by Werner Eichhorst and Paul Marx

Discussant: Dr. Monika Queisser, Head of Social Policy, OECD

- [COVID-19, employment and women in OECD countries](#) (2020) by Monika Queisser, Willem Adema, and Chris Clarke
- [Covid-19: Gender Inequalities in the Labour Market](#) (2020) interview with Monika Queisser