

## **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:** Dr. Carl Benedikt Frey, Director, Future of Work, Oxford Martin School, University of Oxford

- [The Technology Trap: Capital, Labor, and Power in the Age of Automation](#) (2019) by Carl Benedikt Frey
- [Covid-19 Will Only Increase Automation Anxiety](#) (2020) by Carl Benedikt Frey
- [TECHNOLOGY AT WORK v5.0: A New World of Remote Work](#) (2020) by Carl Benedikt Frey et al.
- [Attitudes to Technology: Part 2](#) (2020) by Carl Benedikt Frey
- [Drivers of disruption? Estimating the Uber effect](#) (2018) by Thor Berger, Chinchih Chen, and Carl Benedikt Frey
- [The Future of Employment: How Susceptible are Jobs to Computerisation?](#) (2017) by Carl Benedikt Frey and Michael A. Osborne

*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