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EDUCATION

2019-today	**Doctoral Studies in Economics,** Munich Graduate School of Economics, Ludwig-Maximilian-University of Munich, Germany Advisor: Prof. Dietmar Harhoff, Ph.D.
2016-2018	**M.A. in International Economics,** Graduate Institute of International and Development Studies, Geneva, Switzerland (GPA: 5.4/6)
2017	**Swiss Mobility Exchange,** University of St.Gallen, Switzerland
2012-2016	**B.A. in International Relations,** University of Geneva, Geneva, Switzerland (GPA: 5.25/6)
2014-2015	**University Exchange,** Faculty of Arts and Sciences, American University of Beirut, Lebanon

PROFESSIONAL EXPERIENCE

2019-today	**Junior Research Fellow,** Department for Innovation and Entrepreneurship Research, Max Planck Institute for Innovation and Competition, Munich, Germany
2019	**Junior Research Officer**, Research Department, International Labour Organization, Geneva, Switzerland
2018	**Research Intern,** Economic Research and Statistics Division, World Trade Organization, Geneva, Switzerland
2018	**Research Intern,** International Division of Labour Department, Kiel Institute for the World Economy, Kiel, Germany
2016	**Trainee,** Trade Section, Delegation of the European Union to Switzerland and Liechtenstein, Bern, Switzerland

RESEARCH INTERESTS

Labour Economics, International Trade and Innovation; Automation and Technological Change

COMPLETED DOCTORAL COURSEWORK

2019-2020	Econometrics – Regression Analysis (Dr. Andreas Steinmayr) Structural Microeconometrics (Gregory Veramendi, Ph.D.) Machine Learning for Economists (Prof. Anthony Strittmatter, Ph.D.) Heterogeneous firms in global markets (Prof. Dr. Carsten Eckel; Prof. Dr. Lisandra Flach)
2020-2021	Social and Political Consequences of Globalization and Technological Change (Prof. Italo Colantone, Ph.D.) Firms in the knowledge economy (Dr. Anna Gumpert) Determinants of Individual Productivity (Prof. Dr. Joachim Winter)

Dear Organizing Committee,

Hereby, I would like to express my interest in participating in this year's NBER doctoral student workshop on the economics of artificial intelligence.

My interest in the labour market effects of artificial intelligence and automation started as a junior researcher at the International Labour Organization in 2019. At this occasion, I became aware of how little empirical evidence researchers and policy makers had to assess the consequences of automation on labour markets and new technologies, such as AI, on the economy. Thus, I decided to dedicate my ensuing doctoral studies at the Ludwig-Maximilian-University of Munich (2019-2023) to empirical research on AI and automation.

In my first doctoral project, I explore the political consequences of industrial automation in the US, using local labour market data on industrial automation and data on electoral outcomes and behavior at the county- and individual-level. In a second project, I am studying how increased foreign competition in the context of the 2004 enlargement of the European Union induced firms to increase investments in robot technology, using administrative firm-level data from Portugal. I am very interested in understanding the institutional factors that shape the adoption of automation technologies by firms, and from a policy perspective, determine the direction of AI development. In a third project, I therefore wish to go beyond studying industrial automation and consider AI using novel data and methods.

The upcoming workshop will be the ideal next step on this doctoral journey, as it provides an incredible opportunity to learn from leading scholars in the field and to exchange and connect with other young and passionate doctoral students. I am very excited to develop news ideas for joint or single-authored projects at this unique occasion.

Thank you in advance for your reply. I am very much looking forward to your news.

Best regards,

Klaus Keller