

Duncan Roth

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CURRENT POSITION AND AFFILIATIONS

- 2021- **Head of Junior Research Group Occupations and Employment Trajectories**, Institute for Employment Research
- 2024- **Research Affiliate**, Institute for Labor Economics (IZA)
- 2025- **Research Affiliate**, CESifo

PREVIOUS POSITIONS

- 2016- **Senior Researcher**, Regional Research Network, Institute for Employment Research
- 2015-2016 **Researcher**, Regional Research Network, Institute for Employment Research
- 2008-2014 **Assistant coordinator** of the M.Sc. Economics of the Middle East (funded by the German Academic Exchange Service and the Gesellschaft für Internationale Zusammenarbeit), Philipps-Universität Marburg.
- 2007-2008 **Trainee**, Munich Strategy Group.

EDUCATION

- 2016 **Dr. rer. pol in Economics** (summa cum laude), Philipps-Universität Marburg, Germany
Title: Cohort size and labour-market outcomes, Supervisors: Bernd Hayo and Michael Kirk
- 2006 **M.Sc. Economics**, Warwick University, UK
- 2005 **B.A. (Honours) Philosophy, Politics and Economics** (first class), York University, UK

RESEARCH INTERESTS

Empirical labour economics, occupational mobility, technological progress, urban economics, minimum wage, consequences of economic shocks

PUBLICATIONS

Articles in refereed journals

Entry conditions and the transition from tertiary education to employment: a cross-country perspective (with John Moffat). **International Journal of Manpower**, 2025,47(1): 114-133.

The perceived impact of immigration on native workers' labour market outcomes (with Bernd Hayo). **European Journal of Political Economy**, 2024, 85, 102610.

Dynamic agglomeration effects of foreigners and natives – The role of experience in high-quality sectors, tasks and establishments (with Annekatrien Niebuhr and Cornelius Peters). **Regional Science and Urban Economics**, 2024, 108, 104040.

The Pandemic Push: Digital Technologies and Workforce Adjustments (with Christina Gathmann, Christian Kagerl and Laura Pohlan), **Labour Economics**, 2024, 89, 102541.

How does the COVID-19 pandemic affect regional labour markets and why do cities suffer most (with Silke Hamann, Annekatrien Niebuhr and Georg Sieglén), **Journal of Regional Science**, 2023, 63(5): 1228-1250.

Internal migration dynamics of native and foreign workers: an impulse-response analysis of perturbation and resilience by means of a spatial vector autoregressive model (with Masood Gheasi, Bo Pieter Johannes Andréé and Peter Nijkamp), **Regional Studies**, 2023, 57(12): 2473-2490.

Dynamics of Intra-Urban Employment Geographies: A Comparative Study of US and German Metropolitan Areas (with Bastian Heider, Johannes Mast, Stefan Siedentop, Innes Standfuß, Hannes Taubenböck), **Journal of Urban Affairs**, 2022.

Occupational routine intensity and the costs of job loss: evidence from mass layoffs (with Uwe Blien and Wolfgang Dauth), **Labour Economics**, 2021, 68.

Terror and internal migration in Israel (with Johanna von Borstel and Tom Gobien), **Defence and Peace Economics**, 2019, 30(4): 421-37.

The regional effects of Germany's national minimum wage (with Gabriel Ahlfeldt and Tobias Seidel), **Economics Letters**, 2018, 172: 127-130.

Cohort size and youth labour-market outcomes in Europe (with John Moffat), **Economics Bulletin**, 2017, 37(4): 2735-2740.

The cohort size-wage relationship in Europe (with John Moffat), **LABOUR: Review of Labour Economics and Industrial Relations**, 2016, 30(4): 415-32.

Anyone up for helping the fisherman's wife (with Björn Frank et al.), **Journal of Applied Social Science Studies**, 2011, 131(4): 569-580.

Other publications

Establishments in the Covid-19-Crisis (BeCovid): A High-Frequency Establishment Survey to Monitor the Impact of the Covid-19 Pandemic (with Lutz Bellmann, Patrick Gleiser, Sophie Hensgen, Christian Kagerl, Ute Leber, Jens Stegmaier, Matthias Umkehrer), **Jahrbücher für Nationalökonomie und Statistik**, 2022, 242(3): 421-431.

Energiekrise und Gas-Lieferstopp: Auswirkungen auf die Betriebe in Deutschland (with Christian Kagerl, Michael Moritz, Jens Stegmaier, Ignat Stepanok and Enzo Weber), **Wirtschaftsdienst**, 2022, 102(6): 1-6.

Digitalisierungsschub in Firmen während der Corona-Pandemie (with Lutz Bellmann, Pauline Bourgeon, Christina Gathmann, Christian Kagerl, David Marguerit, Ludivine Martin and Laura Pohlan), **Wirtschaftsdienst**, 2021, 101(9): 713-18.

Arbeitsmarkteffekte der Corona-Krise – sind Berufe mit niedrigem Einkommen besonders betroffen? (with Tanja Buch, Silke Hamann, Annekatriin Niebuhr and Georg Siegl), **Wirtschaftsdienst**, 2021, 101(1): 14-17.

Rückwanderung von Beschäftigten im Ost-West-Kontext – Eine regionale Perspektive (with Michaela Fuchs, Stefan Theuer and Antje Weyh), **Geographische Rundschau**, 2020.

Chapters in edited volumes

Regional population structure and young workers' wages (with Alfred Garloff) in U. Blien, K. Kourtit, P. Nijkamp and R. Stough (eds) **Modelling Aging and Migration Effects on Spatial Labor Markets**, Springer, 2018.

Monographs

Cohort size and labour-market outcomes, W. Bertelsmann Verlag, Bielefeld, 2018.

UNDER REVIEW

Optimal minimum wages in spatial economies (with Gabriel Ahlfeldt and Tobias Seidel). **Reject and Resubmit, Review of Economic Studies.**

The COVID-19 pandemic and international supply chains (with Eva Kleifgen and Ignat Stepanok). **Revise and Resubmit, Review of World Economics.**

Job Mobility and Assortative Matching (with Luisa Braunschweig and Wolfgang Dauth). **Revise and Resubmit, ILR Review.**

Worker skills or firm wage-setting practices? Decomposing wage inequality across 20 OECD countries (with Chiara Criscuolo et al.). **Revise and Resubmit, ILR Review.**

The Covid-19 pandemic and worker careers (with Mara Buhmann and Laura Pohlan).

Measuring quality of life under spatial frictions (with Gabriel Ahlfeldt, Fabian Bald and Tobias Seidel).

WORK IN PROGRESS

Changes in dynamic agglomeration effects over time (with Annekatriin Niebuhr and Cornelius Peters).

Artificial Intelligence and the Transformation of Work in Establishments (with Johannes Dahlke, Maria Sirvent and Alexandra Spitz-Oener).

Choosing where to train: the role of workplace amenities (with Anna Heusler).

Inheritance taxes and family firms in Germany (with Charlotte Bartels, Theresa Buehrle, Kerstin Holzheu and Gedeão Locks).

Matching advantages in big cities (with Annekatriin Niebuhr, Cornelius Peters and Meike Rudolph).

The value of transport infrastructure (with Clemens Fuest and Florian Neumeier).

Transitions out of apprenticeship training during the COVID-19 pandemic (with Stefan Fuchs, Gabriele Wydra-Somaggio and Thomas Zwick).

DISCUSSION PAPERS

Measuring quality of life under spatial frictions (with Gabriel Ahlfeldt, Fabian Bald and Tobias Seidel), **IZA Discussion Paper No. 17549.**

Economic Shocks and Worker Careers: Has the COVID-19 Pandemic Affected Transitions Out of Unemployment? (with Mara Buhmann and Laura Pohlan), **IZA Discussion Paper No. 17268.**

Job Mobility and Assortative Matching (with Luisa Braunschweig and Wolfgang Dauth), **IZA Discussion Paper No. 17207.**

The COVID-19 pandemic and international supply chains (with Eva Kleifgen and Ignat Stepanok), **IAB Discussion Paper 05/2022.**

Optimal minimum wages (with Gabriel Ahlfeldt and Tobias Seidel), **CEPR Discussion Paper 16913.**

Wages, rents, and the quality of life in the stationary spatial equilibrium with migration costs (with Gabriel Ahlfeldt, Fabian Bald and Tobias Seidel), **CEPR Discussion Paper 15594.**

Workforce composition, productivity and pay: the role of firms in wage inequality (with Chiara Criscuolo, Alexander Hijzen, Cyrille Schwellnus, Erling Barth, Wen-Hao Chen, Richard Fabling, Priscilla Fialho, Katarzyna Grabska, Ryo Kambayashi, Timo Leidecker, Oskar Nordström Skans, Capucine Riom, Balazs Stadler, Richard Upward and Wouter Zwysen), **IZA Discussion Paper No. 13212.**

Varying Youth Cohort Effects on Regional Labour Market Outcomes in Germany (with Thomas de Graaff and Ceren Ozgen), **IZA Discussion Paper No. 11932.**

Public Attitudes Towards Asylum Seekers, Immigrants in the Workplace, Inflation, and Local Budgets: Evidence from a Representative Survey of the German Population (with Bernd Hayo, Israel García, Pierre-Guillaume Meon and Florian Neumeier), **MAGKS Joint Discussion Paper No. 19-2018.**

Cohort size and transitions into the labour market, **IAB-Discussion Paper 02/2017.**

MEDIA COVERAGE

Abendzeitung München, Bild der Wissenschaft, Frankfurter Rundschau, ZeitMagazin.

REFEREEING

Applied Economics; Annals of Regional Science; British Journal of Industrial Relations; Cambridge Journal of Regions, Economy and Society; Cogent Economics & Finance; Comparative Economic Studies; Economia Politica; Economica; Economics Bulletin; The Economics of Transition; Empirical Economics; European Journal of Political Economy; European Journal of Political Research; Industrial Relations; International Journal of Emerging Markets; IZA Journal of Labor Economics; Jahrbücher für Nationalökonomie und Statistik; Journal of Economic Behavior and Organization; Journal of Economic Geography; Journal of Economic Inequality; Journal of Economics, Race, and Policy; Journal of International Development; Journal of Labor Market Research; Journal of Population Economics; Journal of Regional Science; Labour Economics; Macroeconomic Dynamics; Oxford Economics Papers;

Regional Science and Urban Economics; Review of Middle East Economics and Finance; Scottish Journal of Political Economy; Work and Occupations.

INVITED SEMINAR PRESENTATIONS

- 2023 Philipps-Universität Marburg, OECD (Paris)
 2018 ZEW (Mannheim)

CONFERENCE AND WORKSHOP PRESENTATIONS

- 2026 Royal Economic Society (Newcastle, forthcoming), Workshop in Urban Economics and Economic Geography (University of Reading, forthcoming).
- 2025 Urban Economic Association (Berlin), Italian Association of Labour Economists (Milano), ELMI conference – Jobs, Skills, and Productivity in Structural Transformations (Warsaw), Workshop on Frontiers of Macro – Labour Economics (Edinburgh).
- 2024 Royal Economic Society (Belfast), Society of Labor Economists (Portland), European Economic Association (Rotterdam), Verein für Socialpolitik (Berlin), Italian Association of Labour Economists (Naples).
- 2023 Allied Social Science Association (New Orleans), Western Economic Association International (virtual), Urban Economic Association (Milano), Society of Labor Economists (Philadelphia), GINI Conference (Agder), UNTANGLED workshop (Warsaw), European Economic Association (Barcelona), Italian Association of Labour Economists (Genoa), European Association of Labour Economists (Prague), Verein für Socialpolitik (Regensburg).
- 2022 Society of Labor Economists (Minneapolis), Western Economic Association International (virtual), European Economic Association (Milano), Verein für Socialpolitik (Basel), 5th Workshop on Spatial Dimensions of the Labour Market (Nuremburg), Urban Economic Association (Washington), 4th Forum “Higher Education and the Labour Market” (virtual).
- 2021 Refugee migration and the integration revisited: Lessons from the recent past (virtual), Counterfactual Methods for Policy Impact Evaluation (virtual), Gesellschaft für Regionalforschung (virtual), Wissenschaftsworkshop Mindestlohn (virtual).
- 2020 European Economic Association (virtual), EALE-SOLE-AASLE World Conference (virtual), 1st LISER-IAB Conference on the Digital Transformation and the Future of Work (Esch-sur-Alzette), American Economic Association (San Diego).
- 2019 Asian and Australasian Society of Labour Economists (Singapore), International Workshop on New Economic & Statistical Perspectives on Urban & Territorial Themes (Milano), Wissenschaftsworkshop Mindestlohn (Berlin), Verein für Socialpolitik (Leipzig), European Association of Labour Economists (Uppsala), Italian Association of Labour Economists (Novara), European Regional Science Association (Lyon), 4th Workshop on Spatial Dimensions of the Labour Market (Marseille), T.A.S.K.S. V conference (Bonn), American Economic Association (Atlanta).
- 2018 Spanish Economic Association (Madrid), Counterfactual Methods for Policy Impact Evaluation (Berlin), Italian Association of Labour Economists (Ancona), European Association of Labour Economists (Lyon), Sommerkonferenz der Gesellschaft für Regionalforschung (Berlin), Verein

- für Socialpolitik (Freiburg), European Regional Science Association (Cork), 2nd IZA/OECD Workshop: Labor Productivity and the Digital Economy (Paris), Evaluation of the Minimum Wage (Berlin), IZA World Labor Conference (Berlin), French Economic Association (Paris), IAEEU Workshop on Labour Economics (Trier), Regional Inequalities – Patterns, Causes, Effects and Policies (Marburg), Technological progress and the labour market (Nuremberg), Western Regional Science Association (Pasadena).
- 2017 European Regional Science Association (Groningen), French Economic Association (Nice), 3rd Workshop on Spatial Dimensions of the Labour Market (Mannheim), IAW Workshop on Education, Skills, and the Economic Challenges of the Future (Tübingen), Italian Association of Labour Economists (Cosenza), North American Regional Science Council (Vancouver), 5th EU-Microdata User Conference (Mannheim).
- 2016 European Association of Labour Economists (Ghent), European Regional Science Association (Vienna), Italian Association of Labour Economists (Trento), North American Regional Science Council (Minneapolis), Regional Science Academy (Amsterdam).
- 2015 Society of Labor Economists/European Association of Labour Economists (Montreal), 5th ifo Workshop on Labour Markets and Social Policy (Dresden), 15th Jan Tinbergen Peace Science Conference (Warwick).
- 2014 European Regional Science Association (St. Petersburg), French Economic Association (Lyon), Sommerkonferenz der Gesellschaft für Regionalforschung (Marburg).
- 2013 Alpine Population Conference (La Thuile), Doctoral Meeting of Montpellier in Economics, Management and Finance (Montpellier), Economic Association of Labour Economics (Torino), European Regional Science Association (Palermo), 3rd EU-Microdata User Conference (Mannheim), 8th European Workshop on Labour Markets and Demographic Change (Vienna).
- 2012 Dutch Demographic Day (Utrecht).

SUMMER SCHOOLS AND WORKSHOPS

- 2015 Survival Analysis and Event History Modelling (Essex Summer School).
- 2014 EU-SILC user workshop (Data without Boundaries), Labour Economics (MAGKS doctoral programme), Spatial Econometrics (MAGKS doctoral programme).
- 2013 Advanced Programming with STATA (Essex Summer School).
- 2010 Determination of Wages (Barcelona Labor Economics Summer School).
- 2009 Causal Inference and Program Evaluation (Barcelona Microeconometrics Summer School), Dynamic and Non-Linear Panel Data Methods (Barcelona Microeconometrics Summer School).
- 2008 Empirical Analysis of Microdata (MAGKS doctoral programme), Introduction to Time-Series Econometrics (EFI Summer School).

WORKSHOP ORGANISATION

- 2025 Workshop “Identifying worker and firm quality (2nd edition)” (IAB).
- 2023 Workshop “Identifying worker and firm quality” (IAB).

- 2022 3rd LISER-IAB Conference “Labour markets during and after the COVID-19 pandemic” (IAB).
2021 Virtual Seminar Series on Minimum Wage and Low Wage Policies (IAB).
2018 Technological Progress and the Labour Market (IAB).

TEACHING

Philipps-Universität Marburg

Introduction to Economics (lecture: SS 2025, SS 2024, SS 2023, SS 2022, SS 2021, SS 2020, SS 2019, SS 2018)

Microeconomic Principles (lecture: WS 2011, WS 2012)

Microeconomics (preparatory course: WS 2009, WS 2010, WS 2011, WS 2012, WS 2013)

Introduction to Development Economics (seminar: SS 2015)

Selected Topics in Arab Economies (tutorial: SS 2012, SS 2013)

Technische Hochschule Nürnberg Georg Simon Ohm

Wirtschaftsmathematik (lecture: 2026)

Frankfurt University of Applied Sciences

Introduction to Econometrics (lecture: WS 2019, WS 2018, WS 2017, WS 2016)