

DAVID HÉMOUS

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Personal Information

Date of birth: 24th September 1983
Citizenship: French

Academic Positions

2019 – present	University of Zurich, Associate Professor of Economics of Innovation and Entrepreneurship. UBS Center for Economics in Society, Affiliated Professor
2015 – 2019	University of Zurich, Assistant Professor of Economics of Innovation and Entrepreneurship. UBS Center for Economics in Society, Affiliated Professor
2012 – 2015	INSEAD, Assistant Professor in Economics and Political Sciences

Other Positions

2020 -	Collège de France, Associate Researcher
Spring 2016	Brown University, Visiting Professor
2013 – present	CEPR, Research affiliate

Education

2006 – 2012	PhD in Economics, Harvard University MA in Economics, Harvard University
2003 – 2007	Ecole Polytechnique, Palaiseau, France BS, MS, Diplôme d'Ingénieur Physics, Economics
2001 – 2003	Preparatory classes, Lycée Fermat, Toulouse, France, Mathematics and Physics.

Grants, fellowships and Awards

2019 - 2024	ERC Starting Grant 2018 on “Automation and Income Distribution: a Quantitative Assessment”
2018	Nominee for the “Prize of best young French economist”
2011-2012	The Project on Justice, Welfare, and Economics Fellowship, Weatherhead Center, Harvard University
2010-2011	GSAS Dissertation Completion Fellowship

Teaching experience

2020	“Economic Growth”, University of Zürich, BA class
2017-2020	“Growth, Technical Change and Inequalities”, University of Zürich, 2 nd year Phd class
2016-2020	“Macroeconomics, Economic Development and Future Economic Systems”, University of Zürich, Master of Advanced Studies in European and Chinese Business Management

2019 “Economic Growth”, Kiel Institute, Advanced Study Program.
 2015-2019 “Macroeconomics for Research Students”, Phd core course, University of Zurich
 2019 “Economic Growth”, MA class at the Kiel Institute for the World Economy.
 2012-2015 “Macroeconomics in the Global Economy,” MBA core course, INSEAD

Phd students supervision

Main advisor:

Arber Fazlija (2019) UBS

Secondary advisor:

Liu Liu (2017) WZB Berlin

Presentations at conferences and seminars

Conferences:

2020 Workshop on Structural Transformation and Macroeconomic Dynamics (Cagliari), NBER Economics of Innovation in the Energy Sector
 2019 Swiss Macro Workshop (Sils Maria); Cowles Summer Conference (Macroeconomics, Yale); Collège de France; Swiss Society of Economics and Statistics Annual Congress (Geneva); Symposium on Technical Change Innovation and Climate (LSE); NBER Summer Institute; Alpmacro conference; Future of Work (ECARES); Hitostsubashi conference on International Trade and FDI.
 2018 Swiss Macro Workshop (Sils Maria), Environmental Regulation, International Trade and Innovation (Université Paris-Est Créteil), Collège de France, CEPR-ESSIM (Oslo), CEPR Long-term effects of short-term policies (Tel Aviv), TRISTAN workshop (University of Bayreuth), ADI conference (University of Copenhagen)
 2017 Innovation and Inequality (Washington U, St Louis), Income and Wealth Inequality (Brown), NBER Summer Institute, EEA meetings (Lisbon), Meeting of the society for the study of economic inequality (New York), CIFAR (Zürich), Collège de France (Paris)
 2016 AEA (San Francisco), CEPR-ESSIM (Helsinki), EAERE (Zürich)
 2015 SED (Warsaw), EEA (Mannheim), UZH conference on Growth.
 2014 Banque de France Joint Macro Workshop, SED (Toronto), NBER Summer Institute.
 2013 Georgetown – INSEAD conference, EAERE Annual Conference (Toulouse),
 2012 Pennsylvania State University (New Faces in International Economics), Yale University (Cowles Summer Conference), IIES Stockholm (Conference on Climate and the Economy).
 2011 AEA Denver, Arizona State University.

Seminars:

2020 Collège de France, Toulouse School of Economics, IMF, Berkeley, EIEF, Arizona State University, University of Vienna, EC-OECD Innovation and Growth Webinar Series
 2019 London Business School, Oxford, Helsinki GSE
 2018 Copenhagen Business School, University of Copenhagen
 2017 University of St Gallen, University of Nottingham

2016 Brown, Yale University, Boston University, University of Bath, Universitat Autònoma de Barcelona, CEMFI
 2015 PSE, University of Zurich, NUS, ECARES, Columbia University, EIEF.
 2014 University of Warwick, Graduate Institute Geneva, UCSD, UCLA Anderson, USC Marshall, Ecole des Mines de Paris, Ecole Polytechnique, PSE, University of Chicago (Harris School of Public Policy), University of Zurich
 2013 Sciences-Po Paris, Ecole Polytechnique, CIRED, IIES Stockholm, ETH Zurich
 2012 Toulouse School of Economics, IIES Stockholm, INSEAD, University of Maryland AREC, Ohio State University, EBRD
 2011 Harvard Kennedy School, Harvard University
 2010 Toulouse School of Economics

Discussions:

2019 Economic Policy Panel Meeting (2), Bank of Portugal Conference on Monetary Economics, CEPR MG
 2018 Macroeconomics of AI INET IMF, Economic Policy Panel Meeting (2)
 2017 AEA (Chicago), CEPR ESSIM
 2016 EABCN conference: Medium and long-run implications of financial crises; Shale gas and Energy Transition (CEPREMAP); NBER Summer Institute; CEPR Macroeconomics and Growth
 2014 Political Economy Conference in Paris, HHEI conference on climate change at the University of Minnesota.

Academic Activities:

Associate Editor at the European Economic Review (2019-)
 Economic Policy panelist (2017-2019).

Referee: The American Economic Journal: Economic Policy, The American Economic Journal: Macroeconomics, The American Economic Review, Ecological Economics, Econometrica, The Economic Journal, Economic Letters, Economica, The Economics of Transition, Energy Economics, Environmental and Resource Economics, The European Economic Review, The International Economic Review, Journal of the Association of Environmental and Resource Economists, Journal of Development Economics, Journal of Economic Growth, The Journal of Economic Theory, Journal of Environmental Economics and Management, Journal of International Economics, The Journal of Monetary Economics, The Journal of Political Economy, The Journal of Public Economic Theory, Journal of the European Economic Association, Macroeconomic Dynamics, The Quarterly Journal of Economics, Review of Economic Dynamics, The Review of Economic Studies, The Review of Economics and Statistics, The Scandinavian Journal of Economics, Swiss National Bank Working Papers series.

Excellence in Refereeing Award: Economic Journal (2016), Journal of the European Economic Association (2018)

Conference involvement: 2017 and 2015 EEA Meetings Program Committee.

Research areas:

Economic Growth, Innovation, Macroeconomics, International Trade, Environmental Economics, Income Inequality.

Publications:

- [1] Daron Acemoglu, Philippe Aghion, Leonardo Bursztyn, and David Hémous (2012), “The Environment and Directed Technical Change,” *The American Economic Review*, 102 (1), 131-66.
- [2] Philippe Aghion, David Hémous and Enisse Kharroubi (2014), “Cyclical Fiscal Policy, Credit Constraints, and Industry Growth,” *The Journal of Monetary Economics*, 62, 41-58.
- [3] Daron Acemoglu, Philippe Aghion and David Hémous (2014), “The Environment and Directed Technical Change in a North-South Model,” *The Oxford Review of Economic Policy*, 30 (3), 513-530.
- [4] Adam Guren, David Hémous and Morten Olsen, (2015) “Sector Specific Human Capital and Transitional Dynamics,” *The Journal of International Economics*, 97 (1), 126-147.
- [5] Philippe Aghion, Antoine Dechezleprêtre, David Hémous, Ralf Martin and John Van Reenen (2016), “Testing for Path Dependence in Clean versus Dirty Innovation: Evidence from the Automotive Industry,” *The Journal of Political Economy*, 124 (1), 1-51 (lead article).
- [6] David Hémous (2016), “The Dynamic Impact of Unilateral Environmental Policies”, *Journal of International Economics*, 103, 80-95.
- [7] David Hémous and Morten Olsen (2018), “Long-term Relationships, Static Gains and Dynamic Inefficiencies,” *Journal of the European Economic Association*, 16 (2), 383-435.
- [8] Philippe Aghion, Ufuk Akcigit, Antonin Bergeaud, Richard Blundell and David Hémous (2019), “Innovation and Top Income Inequality,” *Review of Economic Studies*, 86 (1), 1-45.
- [9] David Hémous and Morten Olsen (forthcoming), “The Rise of the Machines: Automation, Horizontal Innovation and Income Inequality,” *American Economic Journal: Macroeconomics*.
- [10] David Hémous and Morten Olsen (forthcoming), “Directed Technical Change in Labor and Environmental Economics,” *Annual Review of Economics*.

Working paper:

- [11] “The spillover effect of top income inequality” joint with Joshua Gottlieb, Jeffrey Hicks and Morten Olsen
- [12] “Automating labor: Evidence from firm-level patent data” joint with Antoine Dechezleprêtre, Morten Olsen and Carlo Zanella
- [13] “Climate Change, Directed Innovation and Energy Transition: The Long-run Consequences of the Shale Gas Revolution” joint with Daron Acemoglu, Philippe Aghion and Lint Barrage.
- [14] “Unravelling climate change” joint with Steven Cicala and Morten Olsen

Work in progress:

- [15] “Offshoring Origin and Firm Innovation” joint with Antoine Dechezleprêtre, Damien Dussaux and Mirabelle Muûls
- [16] “Growth, Trade and Patents: A Quantitative Evaluation of TRIPS” joint with Ralph Ossa, Tom Sampson and Julian Schärer

[17] “The Dynamics of the Labor Share: Evidence from Danish Microdata” joint with Morten Olsen

Published discussions (non-refereed):

David Hémous (2019), “Discussion of ‘where do people get their news’ by P. Kennedy and A. Prat”, *Economic Policy*, Volume 34 (97): 41-43.

David Hémous (2019), “Discussion of ‘Mars or Mercury? The geopolitics of international currency choice’ by B. Eichengreen, A. Mehl and L. Chițu”, *Economic Policy*, Volume 34 (98): 356-358.

David Hémous (2020), “Discussion of ‘Who is afraid of machines?’ by S. Blanas, G. Gancia and s. Y. Lee”, *Economic Policy*, Volume 34 (100): 662-664.

Non-academic publication:

Philippe Aghion, David Hémous and Reinhilde Veugelers (2009). “No Green Growth without Innovation”. Bruegel Policy brief 2009/07.