Douglas Hanley

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4507 W. W. Posvar Hall
Pittsburgh, PA 15260

EMPLOYMENT

Assistant Professor, Department of Economics, University of Pittsburgh, 2014-Present

Visiting Scholar, Federal Reserve Bank of St. Louis, 2017 (short term)

EDUCATION

Ph.D., Economics, University of Pennsylvania, 2014

B.S., Economics, California Institute of Technology, 2006

RESEARCH INTERESTS

Macroeconomics, Knowledge Diffusion, Technological Change, Computational Methods, Climate Economics

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PUBLICATIONS

Optimal Taxation and R&D Policies (with Ufuk Akcigit and Stefanie Stantcheva), *Econometrica*, 2022

High-speed Rail and Collaborative Innovation (with Mingqin Wu), *Regional Science and Urban Economics*, 2021

Back to Basics: Basic Research Spillovers, Innovation Policy and Growth (with Ufuk Akcigit and Nicolas Serrano-Velarde), *Review of Economic Studies*, 2020
Cited in the Economic Report of the President 2016

Assessing the Rate of Replication in Economics (with James Berry, Lucas Coffman, Rania Gihleb, and Alistair Wilson), *American Economic Review (Papers and Proceedings)*, 2017

Transition to Clean Technology (with Daron Acemoglu, Ufuk Akcigit, and William Kerr), *Journal of Political of Economy*, 2016

WORKING PAPERS

Science is Shaped by Wikipedia: Evidence from a Randomized Control Trial (with Neil Thompson)

From Patents to Products: Innovation, Product Creation, and Firm Growth (with David Argente, Salomé Baslandze, and Sara Moreira)

Economics and Epidemics: Evidence from an Estimated Spatial Econ-SIR Model (with Mark Bognanni, Daniel Kolliner, and Kurt Mitman)

Innovation and Patent Policy with Interdependent Technology

RESEARCH IN PROGRESS	Unleashing the Dragon: The Case for Patent Reform in China (with Lee Branstetter and Huiyan Zhang)
	Spatial Clustering of Firms: A Machine Learning Approach (with Chengying Luo and Mingqin Wu)
	Theory and Evidence on the Relationship Between Corruption and Innovation (with Mingqin Wu)
	International Competition in the Race to Clean Technology (with Chengying Luo)
	Yellow Fever and the Growth of American Cities (with Sean McCoy and Werner Troesken)
TEACHING	Graduate: Computational Methods in Economics, Advanced Economic Growth, Advanced Macroeconomic Theory I/II
	Undergraduate: Macroeconomics Proseminar, Economic Growth Elective, Intermediate Macroeconomics, Intermediate Microeconomics (Penn)
SEMINARS	2019: Federal Reserve Bank of Cleveland, Seoul National University, South China Normal University (Guangzhou)
	2018: World Bank, Einaudi Institute for Economics and Finance (Rome), South China Normal University (Guangzhou)
	2017: Seoul National University
	2015: U of Hong Kong, Sogang U (Seoul), IIES (Stockholm)
	2014: U of Toronto, USC (Marshall), U of Pittsburgh, U of North Carolina (Chapel Hill), CREI (Barcelona)

CONFERENCES	2021: Taiwan Symposium on Innovation Economics and Entrepreneurship (National Tsing Hua University)
	2019: SED Annual Meeting (St. Louis), Korea Economic Review International Conference (Seoul), Econometrics Society China (Jinan University, Guangzhou), Roundtable for Engineering Entrepreneurship Research (Georgia Tech, discussant)
	2018: Computational Social Sciences Retreat (Pitt), Econometrics Society Asia Meetings (Seoul), 4th Workshop on Chinese Politics and Society (Shanghai)
	2017: Workshop on Innovation and Entrepreneurship (ISET-TSU, Tbilisi), Carnegie-Rochester-NYU Conference on Public Policy (CMU, discussant)
	2016: Chinese Economists Society China Meeting(PHBS, Shenzhen)
	2015: Firm and Technology Dynamics: A Global Perspective (Nottingham), Barcelona GSE Summer Forum, SED Annual Meeting (Warsaw), Mini Conference on Economic Growth (Chicago)
	2010-2013: Penn Money Macro Workshop, SED Annual Meeting, Midwest Macroeconomic Meetings, Penn Money Macro Club, International Industrial Organization Conference
STUDENTS SUPERVIZED	Ying-Kai Huang (Ph.D. 2021): Applied Research Scientist - Economist, Snap Inc
THESIS COMMITTEES	Domonkos Vamossy (Ph.D. 2020): Economist, Amazon Web Services
	Tianyi Wang (Ph.D. 2020): Postdoctoral Research Associate, Princeton
	Jiyeon Kim (Ph.D. 2020): Economist, Korea Development Institute
	Chengying Luo (Ph.D. 2019): Senior Data Scientist, Instacart
	Hao Feng (Ph.D. 2018): Assistant Professor, Shanghai University of International Business and Economics
	Richard Svoboda (Ph.D. 2017): Senior Economist, Amazon
REFEREEING SERVICE	American Economic Review, Econometrica, Review of Economic Studies, Journal of Political Economy, Journal of Monetary Economics, European Economic Review, American Economic Journal: Macroeconomics, Journal of Public Economics, International Economic Review, Macroeconomic Dynamics, Review of Economic Dynamics, Journal of Comparative Economics, Journal of the European Economic Association, Journal of Mathematical Economics, Journal of Development Economics, Review of Economics and Statistics, Journal of Economic Theory, RAND Journal of Economics, The Economic Journal

DEPARTMENTAL SERVICE   Hiring: Sustainability (Junior and Postdoc, 2015-16), International
                        Trade (Junior, 2016-17), Development (Junior, 2016-17), International
                        Macro (Junior, 2018-19), Econometrics (Junior, 2019-20)

                        Committees: Website Committee (2016-2020), Department Chair
                        Selection Committee (2021), Diversity Committee (2021), Graduate
                        Admissions Committee (2022)

OTHER EMPLOYMENT   Research Assistant, MIT, 2010-2013
                        Research Assistant, Caltech, 2005-2006
                        Research Assistant, CITA, Summer 2004
                        Software Developer, Cyplex Inc, 2006-2007
                        Software Developer, Lycoris Corp, Summer 2003
                        Software Developer, KDE Group, 2001-2002