

# Douglas Hanley

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

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

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

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

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

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PUBLICATIONS Back to Basics: Basic Research Spillovers, Innovation Policy and Growth  
(with Ufuk Akcigit and Nicolas Serrano-Velarde)

*Review of Economic Studies*, 2021

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

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WORKING PAPERS Optimal Taxation and R&D Policies (with Ufuk Akcigit and Stefanie  
Stantcheva)

*NBER Working Paper 22908*

*Revise and Resubmit, Econometrica*

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)

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

Innovation and Patent Policy with Interdependent Technology

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RESEARCH IN PROGRESS	<p>Spatial Clustering of Firms: A Machine Learning Approach (with Chengying Luo and Mingqin Wu)</p> <p>Theory and Evidence on the Relationship Between Corruption and Innovation (with Mingqin Wu)</p> <p>International Competition in the Race to Clean Technology (with Chengying Luo)</p> <p>Yellow Fever and the Growth of American Cities (with Sean McCoy and Werner Troesken)</p>
TEACHING	<p>Graduate: Computational Methods in Economics, Advanced Economic Growth, Advanced Macroeconomic Theory I/II</p> <p>Undergraduate: Macroeconomics Proseminar, Economic Growth Elective, Intermediate Macroeconomics, Intermediate Microeconomics (Penn)</p>
SEMINARS AND CONFERENCES	<p>2019: Federal Reserve Bank of Cleveland, Seoul National University Policy Forum, South China Normal University (Guangzhou), SED Conference 2019 (Washington University, St. Louis), Korea Economic Review International Conference (Seoul), Econometrics Society China (Jinan University, Guangzhou), Roundtable for Engineering Entrepreneurship Research (Georgia Tech, discussant), NBER Innovation Summer Institute (Cambridge, MA, attended), European Midwest Micro/Macro Conference (Univ of Chicago, attended)</p> <p>2018: Computational Social Sciences Retreat (Pitt), Einaudi Institute for Economics and Finance (Rome), Econometrics Society Asia Meetings (Seoul), South China Normal University (Guangzhou), 4th Workshop on Chinese Politics and Society (Shanghai), World Bank</p> <p>2017: Workshop on Innovation and Entrepreneurship (ISET-TSU, Tbilisi), Seoul National University, Carnegie-Rochester-NYU Conference on Public Policy (CMU)</p> <p>2016: Peking U (PHBS, Shenzhen)</p> <p>2015: U of Hong Kong, Sogang U, IIES (Stockholm), Firm and Technology Dynamics: A Global Perspective (Nottingham), Barcelona GSE Summer Forum, Society for Economic Dynamics Annual Meeting (Warsaw), Mini Conference on Economic Growth (Chicago)</p> <p>2014: U of Toronto, USC (Marshall), U of Pittsburgh, U of North Carolina (Chapel Hill), CREI</p> <p>2010-2013: Penn Money Macro Workshop, Society for Economic Dynamics Annual Meeting, Midwest Macroeconomic Meetings, Penn Money Macro Club, International Industrial Organization Conference</p>

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REFEREING 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

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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-), Department Chair Selection Committee (2021), Diversity Committee (2021)

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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

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