

# 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 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 Innovation and Patent Policy with Interdependent Technology

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

Optimal Taxation and R&D Policies (with Ufuk Akcigit and Stefanie  
Stantcheva)  
*NBER Working Paper 22908*

Back to Basics: Basic Research Spillovers, Innovation Policy and Growth  
(with Ufuk Akcigit and Nicolas Serrano-Velarde)  
*CEPR Discussion Paper 11707*  
*Revise and Resubmit, Review of Economic Studies*  
Cited in the [Economic Report of the President 2016](#)

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RESEARCH IN PROGRESS 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)

Firm Clustering Using Machine Learning (with Tamara Broderick,  
Trevor Campbell, Jeffrey Kuhn, and Neil Thompson)

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TEACHING	<p>Graduate: Computational Methods in Economics, Advanced Macroeconomic Theory I</p> <p>Undergraduate: Intermediate Macroeconomics, Intermediate Microeconomics (Penn), Macroeconomics Proseminar</p>
SEMINARS AND CONFERENCES	<p>2017: Workshop on Innovation and Entrepreneurship (ISET-TSU, Tbilisi)</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>
REFEREEING SERVICE	<p>American Economic Review, Econometrica, Review of Economic Studies, Journal of Monetary Economics, European Economic Review, American Economic Journal: Macroeconomics, 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</p>
DEPARTMENTAL SERVICE	<p>Hiring: Sustainability (Junior and Postdoc, 2015-16), International Trade (Junior, 2016-17), Development (Junior, 2016-17)</p> <p>Committees: Website Committee</p>
OTHER EMPLOYMENT	<p>Research Assistant, MIT, 2010-2013</p> <p>Research Assistant, Caltech, 2005-2006</p> <p>Research Assistant, CITA, Summer 2004</p> <p>Software Developer, Cyplex Inc, 2006-2007</p> <p>Software Developer, Lycoris Corp, Summer 2003</p> <p>Software Developer, KDE Group, 2001-2002</p>

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