

Sébastien Houde

Grenoble Ecole de Management
12 Rue Pierre Semard,
38000 Grenoble, France
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CITIZENSHIP Canada

LANGUAGES French (native), English

EDUCATION **Stanford University, 2013**
Ph.D. Management Science and Engineering
Department of Management Science and Engineering (MS&E)
Thesis Committee: James L. Sweeney (MS&E), Jonathan Levin (Economics),
John P. Weyant (MS&E), Wesley Hartmann (GSB)

Université Laval, Québec, Canada, 2004
M.S. in Economics

Université Laval, Québec, Canada, 2003
B.A. in Economics and Mathematics

PRIMARY FIELDS
Empirical Industrial Organization, Quantitative Marketing, Data Science,
Energy/Environmental Economics, and Behavioral Economics

EMPLOYMENT &
AFFILIATIONS 09/2019 - Associate Professor Grenoble Ecole de Management (GEM)
09/2017 - Senior Researcher ETH Zürich,
Center for Energy Policy and Economics (CEPE).
01/2018 - Adjunct Professor, University of Maryland.
Department of Agricultural and Resource Economic (AREC).
01/2015 - Faculty Affiliate, The E2e Project
01/2013 - 12/2017 Assistant Professor, University of Maryland, AREC.
01/2011 - 12/2012 Research Assistant for Prof. Lawrence Goulder, Stanford.
01/2006 - 08/2007 Research Assistant, Resources for the Future, Washington DC.
01/2005 - 12/2005 Policy Analyst, Natural Resources Canada, Ottawa, Canada.

REFEREED
PUBLICATIONS

Houde, S., “How Consumers Respond to Product Certification and the Value of Energy Information”, *The RAND Journal of Economics*, (2018) Vol 49(2), Pages 453-477.

Giraudet, L. G., S. Houde and J. Maher, “Moral Hazard and the Energy Efficiency Gap: Theory and Evidence”, *Journal of the Association of Environmental and Resource Economics*, (2018) Vol 5(4), Pages 755-790.

Houde, S and J. E. Aldy, “Consumers’ Response to State Energy Efficient Appliance Rebate Programs”, *American Economic Journal: Economic Policy*, (2017) Vol 9(4), Pages 227-255.

Houde, S and C. A. Spurlock, “Minimum Energy Efficiency Standards for Appliances: Old and New Economic Rationales”, *Economics of Energy & Environmental Policy*, (2016), Vol 5(2).

Fassbender, C., S. Houde, S. Silver-Balbus, K. Ballard, B. Kim, K. J. Rutledge, J. F. Dixon, A. A. M. Iosif, J. B. Schweitzer, S. M. McClure, “The Decimal Effect: Behavioral and Neural Bases for a Novel Influence on Intertemporal Choice in Healthy Individuals and in ADHD”, *Journal of Cognitive Neuroscience*, (2014), Pages 1-14.

Houde S., A. Todd, A. Sudarshan, J. F. Flora and C. K. Armel, “Real-time Feedback and Electricity Consumption: A Field Experiment Assessing the Potential for Savings and Persistence”, *The Energy Journal*, (2013), Vol 34(1), Pages 87-102.

Safirova, E., K. Gillingham and S. Houde, “Measuring Marginal Congestion Costs of Urban Transportation: Do Networks Matter?”, *Transportation Research Part A: Policy and Practice*, (2007), Vol 41(8), Pages 734-749.

WORKING
PAPERS

Houde, S. and J. E. Aldy, “The Efficiency Consequences of Heterogeneous Behavioral Responses to Energy Fiscal Policies”, NBER Working Paper No. 24103 (Revisions requested at the *Economic Journal*).

Houde, S., “Bunching With the Stars: How Firms Respond to Environmental Certification”, E2e Working Paper 37 (Revisions requested at *Management Science*).

Houde, S., “The Incidence of Coarse Certification: Evidence from the ENERGY STAR Program”, E2e Working Paper 36 (Submitted at *RAND Journal of Economics*).

Houde, S. and E. Myers, “Heterogeneous (Mis-) Perceptions of Energy Costs: Implications for Measurement and Policy Design”, NBER Working Paper w25722, National Bureau of Economic Research.

Houde, S. and E. Myers, “Are Consumers Attentive to Local Energy Costs? Evidence from the Appliance Market.” NBER Working Paper w25591, National Bureau of Economic Research.

Gillingham, K., Houde S., and A. Van Benthem. “Consumer Myopia in Vehicle Purchases: Evidence from a Natural Experiment” NBER Working Paper w25845., National Bureau of Economic Research.

Houde, S. and A. Spurlock, “Do Energy Efficiency Standards Improve Quality? Evidence from a Revealed Preference Approach” .

SELECTED
WORK-IN-
PROGRESS

Amano, T. and S. Houde, “Differentiated Standards, Strategic Innovation, and Market Structure” .

BOOK CHAPTER

Safirova E., S. Houde and W. Harrington, Spatial Development and Energy Consumption in *Urban and Regional Policy and its Effects, Vol 1*. Turner M.A., Wial, H. and Wolman H. editors. Bookings Institution Press. Washington, DC, (2008).

GRANTS

- 2019-2021 Barriers and Determinants to Energy Efficiency Investments in the Swiss Building Sector, SFOE, 240,000 CHF, Co-PI (with Massimo Filippini).
- 2016-2017 New Economics of Energy Markets, NBER, \$23,000, 2016-2017, Co-PI (with Erica Myers).
- 2016-2017 Energy Policy Tradeoffs between Economic Efficiency and Distributional Equity, NBER and Sloan Foundation, 2015-2016, Co-PI (with Joseph Aldy).
- 2014 Minimum Standard and Market Structure, Lawrence Berkeley National Lab, \$59,000.

AWARDS

- 2008-2010 Social Sciences and Humanities Research Council Doctoral Fellowship.
- 2007 Stanford School of Engineering Fellowship.
- 2003 Mention of Honors, Faculty of Graduated Studies, University Laval.
- 2003 GREEN/Environment Québec Fellowship , University Laval.

PROFESSIONAL
ACTIVITIES

Journal Referee: American Economic Review, Review of Economics and Statistics, American Economic Journal: Economic and Policy, Journal of Public Economics, RAND Journal of Economics, International Journal of Industrial Organization, Journal of the Association of Environmental and Resource Economics, Energy Journal, Journal of Environmental Economics and Management, Journal of Industrial Ecology, Energy Economics, Economic Inquiry, Journal of Economic Behavior and Organization, Swiss National Science Foundation.

CONFERENCES &
PRESENTATIONS

- 2019 Empirical Methods in Energy Economics, Québec City (organizer); 1st Workshop on Climate Economics, Innovation, and Policy, University of Ottawa (invited speaker); University of Erlangen-Nuremberg.
- 2018 Mannheim Energy Conference (keynote speaker); 8th Atlantic Workshop on Energy and Environmental Economics (invited speaker); US-AEE Conference, Washington DC (invited speaker); Ecole des Mines, Paris; Harvard Kennedy School; Yale University, Toulouse School of Economics; London School of Economics; University of Manchester.
- 2017 Imperial College, London; University of Basel; ASSA, Chicago; RFF, Washington DC; NBER Conference on Energy Markets, Washington DC; CEPE-ETH, Zurich; EAERE Summer Conference, Athens; University of Glasgow; Munster.
- 2016 NBER Conference on Efficiency-Equity Trade-Off, North Carolina; AERE Summer Conference, Colorado; Recent Advances in the Economic Analysis of Energy Demand Insights for Industries and Households, Munster Germany; Howard Baker Center for Public Policy, University of Tennessee, Knoxville; Behavior and Climate Change Conference, Baltimore; US Department of Energy, Washington DC.
- 2015 ASSA Boston; Colorado School of Mines, Colorado; Stanford Institute Theoretical for Economics, Stanford; University of Alberta, Alberta; University of Calgary, Alberta; POWER Conference, Energy Institute at Haas, University of California Berkeley.
- 2014 ASSA Philadelphia; NBER Summer Institute, Cambridge MA; Université Laval, Quebec; International Industrial Organization Society Annual Meeting, Chicago; European Econometric Society Annual Meeting, Toulouse.
- 2013 Energy Institute, University College London; Fondazione Eni Enrico Mattei, Milan; CIRED, Ecole des Ponts ParisTech, Paris; CEPE-ETH, Zurich; ARE, UC Davis; TREE Seminar Series, NC State University, RTI International and Duke University; Harvard University, Energy Efficiency Gap workshop; Department of Energy; National Center for Environmental Economics, US EPA; ASSA San Diego; Stanford Institute for Theoretical Economics, Stanford; AERE summer conference, Banff; NBER Summer Institute, Cambridge MA.

TEACHING AT
AREC-UMD
AND ETH
ZÜRICH

Environmental and Energy Economics, 2014, 2016 (undergraduate level, UMD).

Advanced Natural Resource Economics, 2014, 2015, 2016 (PhD level, UMD).

Microeconomic Applications in Agricultural and Resource Markets, 2015 (PhD level, UMD).

Frontiers in Applied Econometrics: Methods and Applications in Environmental and Energy Economics (PhD level ETH, co-taught with Meredith Fowlie).

PHD STUDENT
ADVISING

Tobias Wekhof, 2019- (ETH)	Ongoing
Jun Zhang, 2016-2017 (primary, AREC)	
Guanghui Que, 2014-2018 (primary, AREC)	
Wenjun Wang, 2016-2018 (primary, AREC)	Agricultural Bank of China
Zheng (Jen) He, 2014-2017 (primary, AREC)	Ernest & Young
Aaron Ashok Adalja, 2014 2017 (primary, AREC)	Cornell University
Daniel Werner, 2013-2014 (primary, AREC)	On-Point Analytics
Sarah Ball, 2013-2014 (AREC)	NOAA
Shirley Pon, 2013-2014 (AREC)	NMR Group Inc.
Ron Chan, 2014 (Econ)	University of Manchester
Yichen (Christy) Zhou, 2014 (Econ)	RFF & Clemson University
Joe Maher, 2014-2016 (AREC)	GAO

SERVICES AT
UMD AND ETH

Chair computer oversight committee (09/2013 - 12/2017, UMD)

Academic seminar committee AREC (09/2016 - 12/2017, UMD)

Search committee: communication director for the College of Agriculture and Natural Resources (2016, UMD)

Search committee: open rank faculty AREC (2016, UMD)

Faculty Mentor for the First-Year Innovation Research Experience (FIRE) Program (01/2015 - 12/2017, UMD)

Faculty lead for reading group in machine learning and econometrics (09/2018 - 07/2019, ETH)

Co-Organiser: workshop on Empirical Methods in Energy Economics in Québec City (July 17-18, 2019, ETH)