

# Sébastien Houde, Associate Professor Grenoble Ecole de Management

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Grenoble Ecole de Management  
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*WWW:* [sebastien-houde.com](http://sebastien-houde.com)

## 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

## RESEARCH

### INTERESTS

Energy and Sustainability, Digitization, Industrial Organization, Innovation,  
Structural Econometric Modeling, Big Data Econometrics, Field Experiments,  
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).
01/2020 -	Scientific Director, The E2e Project-Europe
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 (Revise and Resubmit at Management Science).

Houde, S., “The Incidence of Coarse Certification: Evidence from the ENERGY STAR Program”, E2e Working Paper 36 (Revise and Resubmit 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 (Submission in preparation).

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 (Revisions requested at Journal of Public Economics).

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 (Revise and Resubmit at American Economic Journal: Economic Policy).

SELECTED  
WORK-IN-  
PROGRESS

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

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

Houde, S., C. Wolfram, and M. Zaki, “The Impact of Online Energy Education on Low-Income Households: Evidence from a Randomized Encouragement Design”.

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

2020-2021	Closing the Swiss Energy Efficiency Gap, SNF Spark Grant, 100,000 CHF, PI
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

- 2020 Université Paris Nanterre, Paris); University of Erlangen-Nuremberg.
- 2019 Empirical Methods in Energy Economics, Québec City (organizer); 1st Workshop on Climate Economics, Innovation, and Policy, University of Ottawa (invited speaker).
- 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

Environmental and Energy Economics, 2014, 2016 (Undergraduate level, AREC-UMD).

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

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

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

Advanced Empirical Methods in Environmental and Energy Economics (PhD level ETH, co-taught with William Green and Massimo Filippini).

Méthodes d'Aides à la Décision (Core Statistics Class for Management) (Undergraduate & Master level, GEM).

Décisions Avancées (Advanced Statistics Class for Management) (Master level, GEM).

PHD STUDENT  
ADVISING

Tobias Wekhof, 2019- (ETH)	Ongoing
Jun Zhang, 2016-2017 (primary, AREC)	Ongoing
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 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)