

**Sébastien Houde, Associate Professor**  
**Grenoble Ecole de Management**  
**12 Rue Pierre Semard, Grenoble, France**

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CONTACT

INFORMATION *E-mail:* [sebastien.houde@grenoble-em.com](mailto:sebastien.houde@grenoble-em.com)  
*WWW:* [sebastien-houde.com](http://sebastien-houde.com)

EDUCATION

**Stanford University, 2013**

Ph.D. Management Science and Engineering

Department of Management Science and Engineering (MS&E)

*Thesis:* Managing Energy Demand with Standards and Information

*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

*Thesis:* A Computable General Equilibrium Model for the Analysis of Canadian  
Climate Change Policies

**Université Laval, Québec, Canada, 2003**

B.A. in Economics and Mathematics

RESEARCH

INTERESTS Energy and Environmental Economics, Behavioral Public Economics,  
Industrial Organization, Innovation and Technology

EMPLOYMENT &  
AFFILIATIONS

09/2019 -	Associate Professor Grenoble Ecole de Management (GEM)
09/2020 -	Research Affiliate, CEPE at ETH Zurich
01/2015 -	Faculty Affiliate, The E2e Project
09/2017 - 08/2020	Senior Researcher, ETH Zurich
01/2008 - 08/2020	Adjunct Professor, University of Maryland, AREC.
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., “Bunching With the Stars: How Firms Respond to Environmental Certification”, Forthcoming at Management Science.

Houde, S. and E. Myers, “Are Consumers Attentive to Local Energy Costs? Evidence from the Appliance Market.”, Forthcoming at Journal of Public Economics.

Gillingham, K., S. Houde, and A. Van Benthem. “Consumer Myopia in Vehicle Purchases: Evidence from a Natural Experiment” American Economic Journal: Economic Policy, (2021) Vol 13(3), Pages 207-238.

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.

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. Brookings Institution Press. Washington, DC, (2008).

WORKING  
PAPERS

Houde, S., 2018. “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 J. E. Aldy, 2018. “The Efficiency Consequences of Heterogeneous Behavioral Responses to Energy Fiscal Policies”, NBER Working Paper No. 24103.

Houde, S. and E. Myers, 2019. “Heterogeneous (Mis-) Perceptions of Energy Costs: Implications for Measurement and Policy Design”, NBER Working Paper w25722, National Bureau of Economic Research.

Houde, S., and W. Wang, 2021. “The Incidence of the U.S.-China Solar Trade War”.

Houde, S., and T. Wekhof, 2021. “The Narrative of the Energy Efficiency Gap”, CER-ETH Working Paper 21/359.

Houde, S., A. Spurllock, and H. Yang, 2021. “Minimum Efficiency Standards and Firms’ Competitiveness”.

SELECTED  
WORK-IN-  
PROGRESS

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

Houde, S., J. West, and M. Zaki, “The Behavioral Economics of Energy Bill Assistance”.

Houde, S., A. Jo, and P. Weiber. “Organizational Inattention and Carbon Trading.”

GRANTS

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| 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.

## CONFERENCES & PRESENTATIONS

- 2021 Berkeley-Harvard-Yale Energy and Environmental Economics Seminar, Online.
- 2020 EAERE Annual Conference, Online; Université Paris Nanterre, Paris; Pan-institute Series of Webinars in Economics of Environment, Energy and Transports (SWEEET).
- 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.

PROFESSIONAL  
ACTIVITIES:  
REFEREE  
SERVICES

Journal Referee: American Economic Review, Review of Economic Studies, Quarterly Journal of Economics, 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.

TEACHING

Environmental and Energy Economics, 2014, 2016 (Undergraduate level, University of Maryland).

Advanced Natural Resource Economics, 2014, 2015, 2016 (PhD level, University of Maryland).

Microeconomic Applications in Agricultural and Resource Markets, 2015 (PhD level, University of Maryland).

Frontiers in Applied Econometrics: Methods and Applications in Environmental and Energy Economics, 2018 (PhD level ETH, co-taught with Meredith Fowlie).

Advanced Empirical Methods in Environmental and Energy Economics, 2019 (PhD level ETH, co-taught with William Green and Massimo Filippini).

Méthodes d'Aides à la Décision, 2019, 2020, 2021 (Core Statistics Class for Management Students) (Undergraduate & Master level, GEM).

Décisions Avancées, 2019 (Advanced Quantitative Methods Class for Management Students) (Master level, GEM).

Les Défis des Entreprises Face aux Changements Climatiques, 2020, 2021 (Management Class in Climate Change Economics) (Undergraduate level, GEM).

Energy Economics for Managers, 2021 (Master & Executive level, GEM).

PHD STUDENT  
ADVISING

Julien Lafaille, 2020- (primary, GEM)	Ongoing
Tobias Wekhof, 2019- (ETH)	Ongoing
Guanghai Que, 2014-2018 (primary, Maryland)	State Grid Corporation of China
Wenjun Wang, 2016-2018 (primary, Maryland)	Agricultural Bank of China
Zheng (Jen) He, 2014-2017 (primary, Maryland)	Ernest & Young
Aaron Ashok Adalja, 2014 2017 (primary, Maryland)	Cornell University
Daniel Werner, 2013-2014 (primary, Maryland)	On-Point Analytics
Sarah Ball, 2013-2014 (Maryland)	NOAA
Shirley Pon, 2013-2014 (Maryland)	NMR Group Inc.
Ron Chan, 2014 (Maryland)	University of Manchester
Yichen (Christy) Zhou, 2014 (Maryland)	RFF & Clemson University
Joe Maher, 2014-2016 (Maryland)	GAO

ACADEMIC  
SERVICES AT  
UMD, ETH AND  
GEM

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

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

Lead organizer reading group in machine learning and econometrics (09/2018 - 07/2019, ETH)

Co-Organiser: workshops on Empirical Methods in Energy Economics in Québec City and Zurich (July 17-18 2019, January 13-14 2020)

Co-Organiser of SWEEEP: A pan-institute Series of Webinars in Environmental and Energy Economics and Policy (09/2020 -)

Academic lead for a new executive education program on energy economics (on-going, GEM)

Responsible for the development of a new undergraduate academic program on climate change champions for organizations (on-going, GEM)

EXTENSION,  
OUTREACH, &  
ADVISING

I am an applied researcher and my goal is to contribute to solving society most pressing problems, especially when it comes to energy and sustainability issues. Throughout my academic career, I have made effort to reach out to organizations at the local, national, and international levels to disseminate my research and establish collaborations to conduct high-impact studies. Below, you will find a selected sample of organizations that I have been working with.

Organization	Project
Swiss Federal Office of Energy	Research & policy briefing
Minergie Association	Design of experiments
U.S. Department of Energy	Design of energy efficiency programs
U.S. Environmental Protection Agency	Evaluation of the Energy Star program
Lawrence Berkeley National Lab	Evaluation of minimum energy efficiency standard
Google	Design of experiments for an energy feedback application
The Fuel Fund of Maryland	Program evaluation of energy bill assistance