

ALASTAIR FRASER

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Citizenship: Canadian

Academic Positions

2018-Present LECTURER (ASSISTANT PROFESSOR), THE UNIVERSITY OF SYDNEY

Education

- 2012-2018 UNIVERSITY OF BRITISH COLUMBIA
Doctor of Philosophy in Economics
- 2012 QUEEN'S UNIVERSITY
Master of Arts in Economics
- 2010 UNIVERSITY OF ALBERTA
Master of Science in Physics
- 2007 UNIVERSITY OF VICTORIA
Bachelor of Science, Physics (Honours, Co-op)

Research Fields

- Environmental Economics
- Energy Economics
- International Trade

Working Papers

- [1] Financial Incentives or Persistent Habits? How Households Respond to Financial Rewards for Electricity Conservation
- [2] Complements or Substitutes? The Importance of Mode Choice In International Trade

Publications

1. *Published Articles in Refereed Journals*

- [1] J.A.J. Burgess, A.E. Fraser, F. Fani Sani, D. Vick, B.D. Hauer, J.P. Davis, M.R. Freeman "Quantitative Magneto-Mechanical Detection and Control of the Barkhausen Effect" *Science* 339, 2013
- [2] J.P. Davis, D. Vick, P. Li, S.K.N. Portillo, A.E. Fraser, J.A.J. Burgess, D.C. Fortin, W.K. Hiebert and M.R. Freeman. "Nanomechanical Torsional Resonator Torque Magnetometry" *Journal of Applied Physics* 109, 07D309, 2011
- [3] D. Vick, V. Sauer, A.E. Fraser, M.R. Freeman, & W.K. Hiebert. "Bulk Focused Ion Beam Fabrication With 3-Dimensional Shape Control of Nanoelectromechanical Systems" *Journal of Micromechanics and Microengineering* 20, 105005, 2010
- [4] N. Liu, F. Giesen, M. Belov, J. Losby, J. Moroz, A.E. Fraser, G. McKinnon, T.J. Clement, V. Sauer, W.K. Hiebert & M.R. Freeman. "Time-Domain Control of Ultrahigh-Frequency Nanomechanical Systems" *Nature Nanotechnology* 3, 715 - 719, 2008

2. *Non-Refereed Published Articles*

- [1] Are Investment Carbon Footprints Good for Investors and the Climate? *Policy Options — Institute for Research On Public policy*, 2017

Conference & Workshop Presentations

2018	Canadian Economic Association, Montreal, Canada
2017	Canadian Resource and Environmental Economics Study Group, Workshop on Electricity Markets, Western University, London, Ontario
2017	Canadian Economics Association Annual Conference, St. Francis Xavier University, Antigonish, Nova Scotia
2016	Canadian Resource and Environmental Economics Study Group, Annual Conference, Banff, Alberta
2016	Workshop on Economics of Global Interactions, UBC, British Columbia
2016	Economics and Environmental Policy Research Network Symposium, Ottawa, Ontario

Academic Service

Reviewer for: *Journal of International Economics*, *Canadian Journal of Economics*, *American Economic Review*, *Journal of Public Economics*

Experience

Paid Research Positions

2014	Consulting, electricity data analysis for <i>Ecotagious</i> , Vancouver, BC
2014	Research Assistant for Prof. Sumeet Gulati, Land and Food Systems, UBC
2010–2011	Research Assistant for Prof. Andrew Leach, School of Business, University of Alberta
2010–2011	Research Scientist for Prof. Mark Freeman, Dept. of Physics, University of Alberta
2004–2010	Physics Research Assistant positions at the University of Victoria, TRIUMF, and the University of Alberta

Teaching Assistant Positions

2015, 2017 ECON 355: Introduction to International Trade
2016 ECON 472: Economics of Renewable Resources
2014, 2016 ECON 471: Economics of Nonrenewable Resources
2015 Environmental Economics, Department of Economics, Vancouver Summer Program
2014 ECON 370: Benefit-Cost Analysis and the Economics of Project Evaluation
2013 ECON 371: Economics of the Environment
2012 ECON 111: Introduction to Microeconomics
2011 ECON 110: Principles of Economics
2007-2009 PHYS 292: Laboratory Physics

Honors and Awards

2013-2016 SSHRC Joseph-Armand Bombardier CGS Doctoral Scholarship
2012-2016 UBC Four Year Fellowship
2012 A D Scott Fellowship in Economics
2011 Queen's Graduate Award Scholarship
2008 Queen Elizabeth II Master's Scholarship
2008 Government of Alberta Graduate Student Scholarship
2007 First place, 2007 UVic Canadian Association of Physicists Undergrad Exam
2006 Research Award, Natural Sciences and Engineering Research Council of Canada
2002-2006 University of Victoria Excellence Scholarship