

Penelope Buckley

BEHAVIOURAL ECONOMICS · ENVIRONMENTAL ECONOMICS · EXPERIMENTAL ECONOMICS

Grenoble Applied Economics Laboratory

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Current Position

Post-doctoral researcher

Grenoble, France

GRENOBLE APPLIED ECONOMICS LABORATORY

Sep 2020 - present

Project researcher: Eco-Sesa and ExpeSigno.

The research objective is to explore household and employee behaviour in response to demand response signals to encourage a reduction in energy consumption through field and laboratory experiments.

Experience

Post-doctoral researcher

Nancy, France

BUREAU FOR ECONOMIC THEORY AND APPLICATIONS

Oct 2019 - Aug 2020

- Project researcher: Université de Lorraine Hydrogène Sciences et Technologie (ULHyS)
- Explore consumer preferences for hydrogen-based technologies in the home as part of the energy transition using discrete choice modelling

Research and Teaching Assistant

Grenoble, France

UNIVERSITÉ GRENOBLE ALPES

Sep 2018 - Aug 2019

Teaching responsibilities:

- Industrial Economics - Final year undergraduates - 14 hours
- Introduction to Microeconomics - First year undergraduates - 60 hours
- Contemporary Economic Questions - First year undergraduates - 54 hours
- Descriptive Statistics - First year undergraduates - 60 hours

Visiting PhD Student

St Gallen, Switzerland

UNIVERSITY OF ST GALLEN

Jan 2018

- Presentation of PhD research
- Assisted in the development of the "8th Consumer Barometer of Renewable Energy"

PhD Candidate and Teaching Assistant

Grenoble, France

GRENOBLE APPLIED ECONOMICS LABORATORY

Oct 2015 - Aug 2018

Teaching responsibilities:

- Introduction to Microeconomics - First year undergraduates - 12 hours
- Contemporary Economic Questions - First year undergraduates - 18 hours
- Descriptive Statistics - First year undergraduates - 40 hours
- University Study Methods - First year undergraduates - 54 hours

Research internship

Grenoble, France

GRENOBLE APPLIED ECONOMICS LABORATORY

Mar 2015 - Jul 2015

- Review of academic literature on smart meters and dynamic pricing experiments
- Design of dynamic pricing choice experiment

Education

PhD in Economics

Grenoble, France

UNIVERSITÉ GRENOBLE ALPES

Oct 2015 - May 2019

Thesis title: Household electricity consumption behaviour: A meta-analysis and experimental approaches

Supervisors: Daniel Llerena and Cédric Clastres.

Thesis jury members:

- Patrice Geoffron - Centre of Geopolitics of Energy and Raw Materials - Université de Paris Dauphine
- Anne Rozan - National School for Water and Environmental Engineering - Strasbourg
- Mireille Chiroleu-Assouline - Paris School of Economics - Université Paris 1 Panthéon-Sorbonne
- Stéphane Robin - Grenoble Applied Economics Laboratory - French National Centre for Scientific Research

Discrete Choice Modelling

CEMMAP, UNIVERSITY COLLEGE LONDON

Course delivered by William Greene New York University, Stern Business School

London, UK

Jan 2016

Master in Economics and Statistics (Second year of programme)

UNIVERSITÉ GRENOBLE ALPES

Master's dissertation: A review of household experience with smart meters and dynamic pricing for demand response

Grenoble, France

Sep 2014 - Jul 2015

Master in Management (Dual degree with the Univ. Grenoble Alpes)

GRENOBLE SCHOOL OF MANAGEMENT

Master's dissertation: Cultural influences on food consumption decisions in China, Germany and the UK

Grenoble, France

Sep 2013 - Jul 2014

Master in Economics and Statistics (First year of programme)

UNIVERSITÉ GRENOBLE ALPES

Master's dissertation: Pricing strategies of experience goods - The case of eBusiness Service Providers

Grenoble, France

Sep 2012 - Jun 2013

BSc in European Economics: First Class Honors

UNIVERSITY OF KENT

Applied economics project: The impact of the National Minimum Wage on workers in the United Kingdom

Canterbury, United Kingdom

Sep 2007 - Jun 2011

Publications

Buckley, P. (2020). Prices, information and nudges for residential electricity conservation: A meta-analysis. *Ecological Economics*, 172, 106635.

Buckley, P. A systematic review of qualitative studies of residential consumer experience with smart meters and dynamic pricing. *Forthcoming Revue MSH Paris Saclay*.

Current Research

Agnoletti, M-F., **Buckley, P.**, Damette, O., Martin, A. Consumer preferences for hydrogen storage technology: A choice experiment

Buckley, P., Fadhuile, A., Llerena, D., Roussillon, B. Teyssier, S. Indirect flexibility demand in the office: Experimental evidence. *En cours de soumission*

Buckley, P., Fadhuile, A., Llerena, D., Roussillon, B. Peak energy conservation field experiment.

Buckley, P., Llerena, D. Field experiment on social conformity and varying remuneration for different efforts.

Buckley, P., Roussillon, B., Teyssier, S. Loss aversion framing to incentivise small efforts for repetitive tasks. *En cours de soumission*

Buckley, P., Llerena D. Nudges and peak pricing: A common pool resource energy conservation experiment. *RR*

Scientific Communications

2020	Grenoble Applied Economics Laboratory (GAEL) , Seminar	Online
	Alimentation et Sciences Sociales (ALISS) , Seminar	Online
	Psychologie Ergonomique et Sociale pour l'Expérience utilisateurs (PERSEUs) , Invited speaker	France
	GAEL , Seminar	France
2019	University Paris Saclay , Workshop	France
	University of Lorraine , Workshop	France
	Grenoble School of Political Science , Workshop	France

Scientific Communications (contd.)

2018	French Association for Energy Economists , Seminar	<i>France</i>
	University of Kent , Seminar	<i>UK</i>
	British Institute for Energy Economics , Conference	<i>UK</i>
	World Congress of Environmental and Resource Economists , 6th World Congress	<i>Sweden</i>
	International Association for Energy Economics , 41st International Conference	<i>the Netherlands</i>
	Ministry of Higher Education, Research and Innovation , Meeting	<i>France</i>
	9th Day of Doctoral Economics , Workshop	<i>France</i>
2017	University of St Gallen , Seminar	<i>Switzerland</i>
	French Association for Energy Economists , Annual Conference	<i>France</i>
	French Association for Energy Economists , 10th Student Workshop	<i>France</i>
	Italian Association for Energy Economists , 2nd AIEE Energy Symposium	<i>Italy</i>
	8th Day of Doctoral Economics , Workshop	<i>France</i>
2016	GAEL , Doctoral Seminar	<i>France</i>

Participation in Research Projects

ULHyS (2016-present) French Government, Initiatives Science-Innovation-Territories-Economics
Exploration of incentives to encourage the use and development of hydrogen technology as part of the transition to a new energy economy based on hydrogen in France

NEWTS (2019-present) European Commission, Water Joint Programming Initiative
Experimentation of nudges and tariffs designed to encourage households to lower their water consumption

ExpeSigno (2017-present) Auvergne-Rhone-Alpes
Experimentation of different methods of feedback (monetary and non-monetary) designed to incentivise consumers to be more flexible during periods of peak electricity demand

CDP Eco-SESA (2017-present) French Government, Initiatives of Excellence
Experimentation of incentives designed to encourage individuals to lower their demand for electricity within a neighbourhood

TARDYSS (2015-2018)
Dynamic Pricing and Smart Grids: An experimental analysis of household electricity consuming behaviour

Additional Responsibilities

UNIVERSITÉ GRENOBLE ALPES

Member of the Administrative Board of the Doctoral Association of Economics *Grenoble, France*
Organisation of the 9th Day of Doctoral Economics *Dec 2017 - Nov 2018*

President of the Doctoral Association of Economics *Grenoble, France*
Organisation of the 8th Day of Doctoral Economics *Dec 2016 - Nov 2017*

Doctoral representative at the Council of the Economics Doctoral School *Grenoble, France*
May 2016 - Apr 2018

GRENOBLE APPLIED ECONOMICS LABORATORY

Doctoral seminar coordinator *Grenoble, France*
Organisation of doctoral research seminars at GAEL *Jan 2016 - Dec 2016*

Awards

2017	Laureate , Best student paper at 10th Student Workshop of the French Association for Energy Economists	<i>France</i>
2015	First in year , Master Economics and Statistics	<i>France</i>
2011	Laureate , School of Economics Prize, University of Kent	<i>UK</i>
2011	Laureate , Social Sciences Faculty Prize, University of Kent	<i>UK</i>
2007	Laureate , School of Economics Prize, University of Kent	<i>UK</i>

Skills

Languages English (native language), French (bilingual), German (basic)

Software \LaTeX , Microsoft Office, R, Stata, z-Tree

References

Daniel Llerena

Professor

Grenoble Applied Economics Laboratory
GAEL - CS 40700 - 38058 Grenoble CEDEX 9
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*Post-doc
supervisor*

Olivier Damette

Professor

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UFR Droit, Sciences Economiques et Gestion - 13 Place Carnot C.O. 70026 - 54035 Nancy
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*Post-doc
supervisor*

Béatrice Roussillon

Associate Professor

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Co-author

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PSE Professor

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*Thesis committee
member*