


# Patrick H. O'Callaghan

CITIZENSHIP	British and Canadian	ADDRESS	1 of 21 Sandford Street, St. Lucia, QLD, Australia
RESIDENCY	Australian		
LANGUAGES	English and Greek (fluent)	EMAIL	<a href="mailto:p.ocallaghan@uq.edu">p.ocallaghan@uq.edu</a>
	French (intermediate)	HOMEPAGE	<a href="http://www.patrickocal.org">www.patrickocal.org</a>
FAMILY	Married (two children)	ORCID 	<a href="https://orcid.org/0000-0003-0606-5465">0000-0003-0606-5465</a>

## Academic Positions

### At The University of Queensland:

RESEARCH FELLOW	Australian Institute for Business and Economics, June 2018–
LECTURER	School of Economics, Semester 1 2018
RESEARCH ASSOCIATE	School of Economics, July 2012–November 2017

## Research

(Decisions, games and applications to econometrics, finance and technology)

### Refereed articles

“AXIOMS FOR MEASURING UTILITY ON PARTIAL MIXTURE SETS”, <i>Journal of Mathematical Economics</i> , <a href="#">DOI</a>	2018
“AXIOMS FOR PARAMETRIC CONTINUITY OF UTILITY WHEN THE TOPOLOGY IS COARSE”, <i>Journal of Mathematical Economics</i> , <a href="#">DOI</a>	2017
“SUB-MODELS FOR INTERACTIVE UNAWARENESS”, with S. Grant, J. Kline and J. Quiggin, <i>Theory and Decision</i> , <a href="#">DOI</a>	2015

### Working papers

“ROBUST CASE-BASED PREDICTION WHEN EXPERIENCE IS LACKING” [PREPRINT](#)

### Work in progress

“ROBUST EXPECTED UTILITY MAXIMIZATION IN THE CONTEXT OF A GAME”

“CASE-BASED ASSET PRICING”, with Khoa Huang

## Education

### At The University of Warwick:

PHD, MSc	INTERDISCIPLINARY MATHEMATICS (joint with Economics)	2012
Thesis:	Context and decision: three approaches to representing preferences	
Advisors:	<a href="#">Peter Hammond</a> , <a href="#">Robert MacKay</a> , <a href="#">Saul Jacka</a>	
	(Also successfully completed coursework for the PhD in Economics)	
MSc	ECONOMETRICS AND ECONOMICS, <a href="#">The University of York</a>	2004

### At the University of London:

PG CERT.	ECONOMICS WITH MATHEMATICAL ECONOMICS, Birkbeck College	2003
	Courses in Macroeconomics and Econometrics, London School of Economics	
BA (HON)	FINANCIAL SERVICES, <a href="#">London Guildhall University</a>	2000

## Teaching experience

(microeconomics, econometrics, mathematics, probability)

### At The University of Queensland:

LECTURER	Foundations of Microeconomics, ( <a href="#">evaluation</a> )	2018
	Consumer and firm behaviour, ( <a href="#">evaluation</a> )	2018
	Economics of Business Strategy	2013, 2014

### At The University of Warwick:

TUTOR	Analysis I and II	2011–2012
	Statistics for economists	2012
	Mathematical Techniques for economists	2011
	Probability and Discrete Mathematics	2009–2011
	Econometrics	2008
	Functional Analysis	2008
	Economics for Business	2007
	Measure Theory	2006
SUPERVISOR	Analysis, Foundations, Differential Equations	2011–2012

## Honors, Scholarships and Fellowships

<a href="#">RES TEACH FELLOWSHIP</a>	The University of Queensland (AUD 20k)	2014
<a href="#">PHD SCHOLARSHIP</a>	Eng. and Physical Sciences Research Council	2006–2010

## Engagement

(with government, industry and media)

Proposal	Blockchain pilot, Port of Brisbane	2019
REPORT	On innovation, Bank of Queensland	2018
INTERVIEW	On google search algorithms, ABC Radio and News	2018
PRESENTATIONS	On blockchains of supply, AIBE–Finance Workshop	2018
	On unawareness, Office of Naval Research Workshop	2015
	On unawareness, Boeing–UQ Workshop	2014

## Other Employment

(investment banking and pastoral care of students)		
HALLS OF RESIDENCE TUTOR	The University of Warwick	2005–2008
FIXED INCOME OPERATIONS	Union Bank of Switzerland, London	2002–2003
FOREIGN EXCHANGE OPERATIONS	Citigroup, London	2000–2001

## Service

REFeree DUTIES	International Economic Review, Journal of Mathematical Economics, Mathematical Social Science, Annals of Mathematics and Artificial Intelligence, Economics Bulletin.
ASSISTANT HOST	International Conference on Unawareness, University of Queensland, 2014

## References

<b>Current supervisor</b>	<b>PhD supervisor</b>
John Mangan	Peter Hammond
School of Business	Department of Economics
The University of Queensland	The University of Warwick
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<b>Editor, J. Math. Econ.</b>	<b>Advisor in 2013/14</b>
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## Presentations at Conferences and Seminars

Economics seminar, The University of Queensland	2019
Economics seminar, The University of Bath	2018
CRETA Seminar, The University of Warwick	2018
Risk Uncertainty and Decision Conference, Heidelberg U.	2018
Society for the Advancement of Economic Theory, Academia Sinica, Taipei	2018
Australasian Economic Theory Workshop, Auckland University of Technology	2017
Centre for Mathematical Social Science Workshop, University of Auckland	2017

Control Theory Workshop, University of Queensland	2017
Econometric Society Australasian Meetings, University of Technology Sydney	2016
Australasian Economic Theory Workshop, Monash University	2016
Theory Seminar, The University of Queensland,	2015
SAET conference, The University of Cambridge	2015
TARK conference, Carnegie Mellon University	2015
Australasian Economic Theory Workshop, Australian National University	2014
SMOR Seminar, Mathematics, The University of Queensland	2014
Boeing Workshop, The University of Queensland	2014
Departmental Seminar, University of New South Wales	2013
Theory Seminar, The University of Exeter,	2013
Theory Seminar, Karlsruhe Institute of Technology,	2013
Risk Uncertainty and Decision Conference, The University of Paris	2013
Departmental Seminar, The University of Heidelberg	2013
Departmental Seminar, The University of Auckland	2013
Departmental Seminar, Massey University,	2013
Australasian Economic Theory Workshop, The University of Queensland	2013
SAET Conference, The University of Queensland	2012
Foundations of Uncertainty and Risk XIV, Newcastle Business School, UK	2010

## Other work in progress

“Eliciting beliefs about stock prices”

“Cardinal linear utility and endogenous mixture sets”

“Optimal taxation in networks with informal production”

The role of symmetry and similarity in games (with John Quiggin)