Mark Hurlstone

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Personal

Full name	Mark John Hurlstone
Date of birth	June 21, 1980
Nationality	British citizen & Australian permanent resident

Employment

2020–current	Lecturer Department of Psychology, Lancaster University
2014–2020	Lecturer School of Psychological Science, University of Western Australia
2014–2017	Adjunct Researcher Commonwealth Scientific and Industrial Research Organisation
2012–2014	Postdoctoral Research Associate (Carmen Lawrence & Stephan Lewandowsky) School of Psychology, University of Western Australia
2010–2011	Postdoctoral Research Associate (Robert Hughes & Dylan Jones) School of Psychology, University of Cardiff

Education

2006–2010	PhD Experimental Psychology School of Psychology, University of York *Thesis title:* The problem of serial order in visuospatial short-term memory *Supervisors:* Prof. Graham Hitch & Prof. Alan Baddeley

2005–2006	MSc Reading, Language, & Cognition School of Psychology, University of York
2001–2004	BSc (Hons.) Psychology School of Psychology, University of Leicester

Prizes and Awards

2019	School of Psychological Science, University of Western Australia *Publication Impact Award (Early Career)*
2015	School of Psychology, University of Western Australia *Research Funding Achievement Award (Early Career)*
2006	Department of Psychology, University of York *Department prize for highest scoring MSc student*
2004	School of Psychology, University of Leicester *Wladyslaw Sluckin prize for highest scoring BSc student*

Research Interests

Auditory distraction	Testing a duplex mechanism account of auditory distraction and attentional selectivity in which some forms of distraction are resistible and others are ineluctable.
Behavioural economics	Using behavioural insights to increase the supply of public goods including global climate protection, biosecurity outbreak prevention, and herd immunity from disease.
Cognitive modelling	Computational and mathematical modelling of cognitive processes; model evaluation and selection issues; models of choice behaviour and response time.
Human memory	Short-term and working memory; serial recall memory; free recall memory; sequence learning; relationship between time and memory.
Misinformation and its correction	Identifying the cognitive factors that render people vulnerable to misinformation; developing and testing methods for pre-bunking and debunking misinformation.

Competitive Grants

2022	Commonwealth Scientific and Industrial Research Organisation CERC Fellowship: Fabio Boschetti, Cecile Paris, Iain Walker, Simon Farrell, Mark Hurlstone, Beth Fulton, Ingrid van Putten, Gretta Pecl, Kirsty Nash, & Nick McClean. *Social license to operate and social change in marine environments.* ($294,000).
2016	Department of Agriculture and Food WA Biosecurity Research & Development Fund: Ben White & Mark Hurlstone: *Using economic experiments to demonstrate the principles of successful biosecurity cooperation to producers* ($75,000).
2015	Australian Research Council Discovery Project: Simon Farrell, Gordon Brown, Geoff Ward, & Mark Hurlstone: *Developing a integrated memory-based model of evaluation and choice* ($347,000).
2014	Commonwealth Scientific and Industrial Research Organisation Climate Adaptation Flagship: Mark Hurlstone & Iain Walker: *Establishing a Behavioural Economics Laboratory at The University of Western Australia* ($100,000).
2010	Department of Psychology, University of York: Graham Hitch, Mark Hurlstone, & Tom Hartley: *An oscillator model account of effects of the timing of items in short-term memory* (£2,500).
2008	Experimental Psychology Society: Mark Hurlstone & Simon Farrell: *Modelling fill-in and infill errors in serial short-term memory* (£2,000).
2008	The Nuffield Foundation: Mark Hurlstone & Graham Hitch: *Auditory distraction in verbal and spatial immediate serial recall.* (£3,600).

Citation Indices

- h-index: 19 (Google Scholar); 15 (Scopus); 15 (Web of Science; WoS)

- Citations: 1,894 (Google Scholar); 1,070 (Scopus); 981 (WoS)

- Citation percentile: 84% (WoS)

- Publications last 10 years: 31 articles, 1 book/report, 2 book chapters, 2 highly-cited articles (WoS)

Publications

Peer Reviewed Manuscripts - submitted

Hurlstone, M. J., & Newell, B. R. (2022, submitted). Threshold uncertainty, early-warning signals, and the prevention of dangerous climate change.

Hurlstone, M. J., Tapsuwan, S., & White, B. (2022, submitted). The biosecurity collective-risk social dilemma.

Tay, L. Q., Lewandowsky, S., **Hurlstone, M. J.,** Kurz, T., Ecker, U. K. H. (2023, in revision). Should we deal with misinformation?

Tay, L. Q., **Hurlstone, M. J.,** Kurz, T., & Ecker, U. K. H (2022, submitted). A call for greater attention to causal inference in psychological science.

Cavve, B., **Hurlstone, M. J.,** & Farrell, S. (2022, submitted). Differentiating social preferences for equality and status.

Marsh, J. E., **Hurlstone, M. J.,** Marois, A., Ball, L. J., Moore, S. B., Vachon, F., Schlittmeier, S. J., Roer, J. P., Buchner, A., & Bell, R. (2022, in revision). Changing-state irrelevant speech disrupts visual-verbal but not visual-spatial serial recall.

Hurlstone, M. J., Thuijs, S., Rossen, I., & Ecker, U. (2022, submitted). Crafting normative messages to promote childhood vaccination.

Hurlstone, M. J. (2022, submitted). Modelling immediate serial spatial recall performance in a macaque (*Macaca mulatta*).

Peer Reviewed Manuscripts - published

Hurlstone, M. J. (2023, in press). Serial recall. In Kahana, M., and Wagner, A. (Eds.) *The Oxford Handbook of Human Memory.* Oxford University Press.

Tay, L. Q., Lewandowsky, S., **Hurlstone, M. J.,** Kurz, T., Ecker, U. K. H. (2023, in press). A focus shift in the evaluation of misinformation interventions. *Harvard Kennedy School Misinformation Review*.

Andreotta, M., Boschetti, F., Paris, C., Walker, I., Farrell, S., & **Hurlstone, M. J.** (2022). Evidence for three distinct climate change audience segments with varying belief updating tendencies: Implications for climate change communication. *Climatic Change*.

Hitch, G. J., **Hurlstone, M. J.,** Hartley, T. (2022). Computational models of working memory for language. In Schwieter, J. W., & Zhisheng, W. (Eds.) *The Cambridge Handbook of Working Memory and Language.* Cambridge University Press.

MacFarlane, D., **Hurlstone, M. J.,** Ecker, U. K. H., Ferraro, P. J., Linden, S., Veríssimo, D., ... Sutherland, W. J. (2022). Reducing demand for overexploited wildlife products: Lessons from systematic reviews from outside conservation science. *Conservation Science and Practice*.

Osth, A. F., & **Hurlstone, M. J.** (2022). Do item-dependent context representations underlie serial order in cognition? *Psychological Review*.

Tay, L. Q., **Hurlstone, M. J.,** Kurz, T., & Ecker, U. K. H. (2021). A comparison of prebunking and debunking interventions for implied versus explicit misinformation. *British Journal of Psychology*.

Wang, S., **Hurlstone, M. J.,** Leviston, Z., Walker, I., & Lawrence, C. (2021). Construal level theory and psychological distancing: Implications for grand environmental challenges. *One Earth*.

MacFarlane, D., Tay, L. Q., **Hurlstone, M. J.,** Ecker, U. K. H. (2021). Refuting spurious COVID-19 treatment claims reduces demand and misinformation sharing. *Journal of Applied Research in Memory and Cognition, 10(2),* 248-258.

Bezdicek, O., Ballarini, T., Albrecht, F., Libon, D. J., Lamar, M., Ruzika, F., Roth, J., **Hurlstone, M. J.,** Mueller, K., Schroeter, M., & Jech, R. (2021). Serial order recall in working memory across the cognitive spectrum of Parkinson's disease and neuroimaging correlates. *Journal of Neuropsychology, 15(1),* 88–111.

Ecker, U. K. H., Butler, L., Cook, J., **Hurlstone, M. J.,** Kurz, T., Lewandowsky, S. (2020). Using the COVID-19 economic crisis to frame climate change as a secondary issue reduces mitigation support. *Journal of Environmental Psychology, 70,* 101464.

MacFarlane, D., **Hurlstone, M. J.,** Ecker, U. K. H. (2020). Countering demand for unsupported health remedies: Do consumers respond to risks, lack of benefits, or both? *Psychology & Health, 36(5),* 593-611.

MacFarlane, D., **Hurlstone, M. J.,** & Ecker, U. K. H. (2020). Protecting consumers from fraudulent health claims: A taxonomy of psychological drivers, interventions, barriers, and treatments. *Social Science & Medicine, 259,* 112790.

Hurlstone, M. J., Price, A., Wang, S., Leviston, Z., & Walker, I. (2020). Activating the legacy motive mitigates intergenerational discounting in the climate game. *Global Environmental Change, 60,* 1–10.

Rossen, I., **Hurlstone, M. J.,** Dunlop, P., & Lawrence, C. (2019). Accepters, fence sitters, or rejecters: Moral profiles of vaccination attitudes. *Social Science & Medicine, 224,* 23–27. Hurlstone joint 1st author.

Andreotta, M., Nugroho, R., **Hurlstone, M. J.,** Boschetti, F., Farrell, S., Walker, I., & Paris, C. (2019). [Contribution to special issue on "Using Big Data to Discover Principles of Cognition"] Analyzing social media data: A mixed-methods framework combining computational and qualitative text analysis. *Behavior Research Methods, 51,* 1766–1781.

Wang, S., **Hurlstone, M. J.**, Lawrence, C., Leviston, Z., & Walker, I. (2019). [Contribution to special issue on "The Cognitive Psychology of Climate Change"] Climate change from a distance: Psychological distance and construal level as predictors of pro-environmental engagement. *Frontiers in Psychology, 10,* 1–22.

Hurlstone, M. J. (2019). Functional similarities and differences between the coding of positional information in verbal and spatial short-term memory. *Memory, 27,* 147–162.

Xie, B., **Hurlstone, M. J.**, & Walker, I. (2018). [Contribution to special issue on "The Cognitive Psychology of Climate Change"] Correct me if I'm wrong: A group decision-making intervention improves reasoning in the climate stabilization task. *Frontiers in Psychology, 9,* 1–12.

MacFarlane, D., **Hurlstone, M. J.**, & Ecker, U. K. H. (2018). Contingency tables reduce demand for ineffective health products: Overcoming the illusion of causality. *Psychology & Health, 15,* 1–18.

Oberauer, K., Lewandowsky, S., Awh, E., Brown, G. D. A., Conway, A., Cowan, N., Donkin, C., Farrell, S., Hitch, G. J., **Hurlstone, M. J.**, Ma, Wei-Ji, Morey, C., Nee, D. E., Rouder, J., Schweppe, J., Vergauwe, E., & Ward, G. (2018; *note:* order of authorship is alphabetical after first two authors). Benchmarks provide common ground for model development: Response to the commentaries of Logie and Vandierendonck. *Psychological Bulletin, 144(9),* 972–977.

Oberauer, K., Lewandowsky, S., Awh, E., Brown, G. D. A., Conway, A., Cowan, N., Donkin, C., Farrell, S., Hitch, G. J., **Hurlstone, M. J.**, Ma, Wei-Ji, Morey, C., Nee, D. E., Rouder, J., Schweppe, J., Vergauwe, E., & Ward, G. (2018; *note:* order of authorship is alphabetical after first two authors). Benchmarks for models of short-term and working memory. *Psychological Bulletin, 144(9),* 885–958.

Wang, S., Leviston, Z., **Hurlstone, M. J.**, Lawrence, C., & Walker, I. (2018). Emotions predict policy support: Why it matters how people feel about climate change. *Global Environmental Change, 50,* 25–40.

Hurlstone, M. J., & Hitch, G. J. (2018). How is the serial order of a visual sequence represented? Insights from transposition latencies. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 44(2),* 167–192.

Hurlstone, M. J., Wang, S., Price, A., Leviston, Z., & Walker, I. (2017). Cooperation studies of catastrophe avoidance: Implications for climate negotiations. *Climatic Change, 140,* 119–133.

Rossen, I., **Hurlstone, M. J.**, & Lawrence, C. (2016). Going with the grain of cognition: Applying insights from psychology to build support for childhood vaccination. *Frontiers in Psychology, 7:*1483.

Hartley, T., **Hurlstone, M. J.**, & Hitch, G. J. (2016). Effects of rhythm on memory for spoken sequences: A model and tests of its stimulus-driven mechanism. *Cognitive Psychology, 87,* 135–178.

Hurlstone, M. J., & Hitch, G. J. (2015). How is the serial order of a spatial sequence represented? Insights from transposition latencies. *Journal of Experimental Psychology: Learning, Memory, & Cognition, 41,* 295–324.

Hurlstone, M. J., Lewandowsky, S., Sewell, B., & Newell, B. (2014). The role of framing and normative messages in building support for climate policies. *PLoS ONE, 9(12),* e114335.

Hurlstone, M. J., Hitch, G. J., & Baddeley, A. D. (2014). Memory for serial order across domains: An overview of the literature and directions for future research. *Psychological Bulletin, 140,* 339–373.

Unsworth, K. L., Russell, S. V., Lewandowsky, S., Lawrence, C., Fielding, K., Heath, J., Evans, A., **Hurlstone, M. J.**, & McNeill, I. (2013). Individual adaptation to climate change and psychological drivers: What about me? Factors affecting individual adaptive coping capacity across different population. *National Climate Change Adaptation Research Facility*.

Farrell, S., **Hurlstone, M. J.**, & Lewandowsky, S. (2013). Sequential dependencies in recall of sequences: Filling in the blanks. *Memory & Cognition, 41,* 938–952.

Hughes, R., **Hurlstone, M. J.**, Marsh, J. E., Vachon, F., & Jones, D. M. (2013). Cognitive control of auditory distraction: Impact of task difficulty, foreknowledge, and working memory capacity supports duplex-mechanism. *Journal of Experimental Psychology: Human Perception and Performance, 39,* 539–553.

Hughes, R., Vachon, F., **Hurlstone, M. J.**, Marsh, J., Macken, W., & Jones, D. M. (2011). Disruption of cognitive performance by sound: Differentiating two forms of auditory distraction. In *Proceedings of the 10th International Congress on Noise as a Public Health Problem.*

Theses

Hurlstone, M. J. (2010). *The problem of serial order in visuospatial short-term memory*. Unpublished PhD thesis, University of York, UK.

Hurlstone, M. J. (2006). *Top-down processing and temporal grouping in immediate serial recall*. Unpublished MSc thesis, University of York, UK.

Hurlstone, M. J. (2004). *The modularity of ordering processes in verbal and spatial short-term memory*. Unpublished BSc thesis, University of Leicester, UK.

Conference Papers

Hurlstone, M. J., & Newell, B. R. (April, 2018). Threshold uncertainty, early-warning signals, and the prevention of dangerous climate change. Experimental Psychology Conference, Hobart, Tasmania.

Hurlstone, M. J., Hartley, T., & Hitch, G. J. (July, 2016). Effects of rhythm on memory for spoken sequences: A model and tests of its stimulus-driven mechanism. Paper presented at the Sixth International Conference On Memory, Budapest, Hungary.

Hurlstone, M. J. (July, 2016). Modelling immediate serial spatial recall in a macaque (*Macaca mulatta*): A competitive queuing approach. Paper presented at the Sixth International Conference On Memory, Budapest, Hungary.

Hurlstone, M. J. (July 2015). Cooperation studies of catastrophe avoidance: Implications for climate negotiations. WSEN, Murdoch University WA, Australia.

Hurlstone, M. J., Lewandowsky, S., Newell, B. R., & Sewell, B. (Dec, 2013). Curbing emissions: Framing and normative messages influence CO_2 abatement policy preferences. University of New South Wales, Sydney NSW, Australia.

Hurlstone, M. J., & Lawrence, C. (July, 2012). The impact of normative feedback on pro-environmental intentions and behaviour. National Climate Change Adaptation Research Facility Conference, Melbourne, Australia.

Hurlstone, M. J., & Lewandowsky, S. (July, 2012). Climate change coping and the effects of social norms and message framing on those with extreme worldviews. National Climate Change Adaptation Research Facility Conference, Melbourne, Australia.

Hurlstone, M. J., Hughes, R., & Jones, D. M. (November, 2011). Auditory distraction: The resistible and the ineluctable. Auditory Perception, Cognition and Action Meeting, Seattle, USA.

Hurlstone, M. J. (July, 2011). Memory for serial order across domains: Four common principles. Paper presented at the Fifth International Conference On Memory, York, U.K.

Hurlstone, M. J., Hitch, G. J., & Baddeley, A. D. (July, 2009). Modelling grouping effects in verbal and spatial short-term order memory. Paper presented at the Experimental Psychology Society, York, U.K.

Hurlstone, M. J., Hitch, G. J., & Baddeley, A. D. (Jan, 2009). How is the serial order of a visuospatial sequence coded? Insights from transposition latencies. Paper presented at the Experimental Psychology Society, London, U.K.

Hartley, T., **Hurlstone, M. J.**, & Hitch, G. J. (July, 2008). An oscillator model account of effects of the timing of items in short-term memory. Paper presented at the XXIXth International Congress of Psychology, Berlin, Germany.

Editorial Duties

Co-editor of special issue of the journal *Frontiers in Psychology* on "The Cognitive Psychology of Climate Change" (2018).

Grant Reviewing

Australian Research Council (Discovery, Linkage, DECRA)

Manuscript Reviewing

I am an ad hoc reviewer for the following journals:

Acta Psychologica / Auditory Perception & Cognition / Canadian Journal of Experimental Psychology /Environment & Behavior / Frontiers in Psychology / Global Environmental Change / Journal of Clinical and Experimental Neuropsychology / Journal of Environmental Psychology / Journal of Experimental Psychology: General / Journal of Experimental Psychology: Applied / Journal of Experimental Psychology: Human Perception & Performance / Journal of Experimental Psychology: Learning, Memory, & Cognition /Journal of Mathematical Psychology / Journal of Memory and Language / Memory / Memory & Cognition / Nature Climate Change / PLoS ONE / Psychological Bulletin / Psychological Review / Psychological Science / Psychonomic Bulletin & Review / Social Science & Medicine / Quarterly Journal of Experimental Psychology.

Invited colloquia & workshops

2019, October.	Workshop: *Cognition and climate change: Can psychology help save the planet?* University of Central Lancashire, UK.
2019, August.	Alumni Event: *Plastic, plastic everywhere: What's a person to do?* The University of Western Australia, Singapore.
2015, July.	Workshop: *Working memory benchmarks: Part II*. University of Zurich, Switzerland.
2014, July.	Workshop: *Working memory benchmarks: Part I*. University of Zurich, Switzerland.
2013, December.	Symposium: *Psychology and climate change*. University of New South Wales, Sydney NSW, Australia.

Service

2022–current	Sustainability Officer, Department of Psychology, Lancaster University	Responsible for establishing policies and initiatives for reducing energy consumption within the department and lowering the carbon footprint of members of staff resulting from work-related national and international travel.
2022–current	Year 3 Lead, Department of Psychology, Lancaster University	Responsible for the delivery and development of Final year Psychology curriculum, ensuring it is up to date, relevant, internally coherent and integrates with Year 2 and postgraduate modules.
2020–2022	Community and Engagement Officer, Department of Psychology, Lancaster University	Responsible for establishing and maintaining the department's social media presence on Facebook, Instagram, and Twitter. Organised various community outreach initiatives, such as school demonstrations, science cafes, and a Pint of Science.

2020–2022	International Research Coordinator, Department of Psychology, Lancaster University	Responsible for helping to facilitate research collaboration between researchers in the department and at other international institutions. Established a Memorandum of Understanding between Lancaster University and Kyoto University to facilitate collaboration on research relating to human working memory.
2020–2022	Participant Recruitment Officer, Department of Psychology, Lancaster University	Responsible for managing the department's SONA electronic participant recruitment system and Research Participation Scheme by which undergraduate students collect course credits for participating in psychological research.
2018–2020	Member of Indigenous Working Group, School of Psychological Science, University of Western Australia	Responsible for helping to identify ways of incorporating indigenous content into the psychology curriculum.
2018–2020	Deputy Chair of External Colloquia Committee, School of Psychological Science, University of Western Australia	Assisted the Chair in identifying high-quality speakers for the External Colloquia Program, arranged speaker travel and accommodation, and organised event catering.
2017–2020	Member of Undergraduate Education Committee, School of Psychological Science, University of Western Australia	Responsible for providing input into all matters pertaining to the undergraduate course curriculum. Helped to ensure that curriculum content was compliant with the new accreditation standards introduced by APAC in January 2019.
2016–2017	Deputy Chair of Ethics Committee, School of Psychological Science, University of Western Australia	Assisted the Chair with the distribution of ethics applications to reviewers in the School, reviewed applications, and provided feedback to applicants on required changes to expedite processing by the Central Ethics Office.

Research Supervision

PhD (*N* = 7)

Completed (*N* = 5)

2016–2022	Blake Cavve (co-supervised with Simon Farrell)
2016–2021	Georgiana Cheuck (co-supervised with Simon Farrell)
2016–2021	Matthew Andreotta (co-supervised with Fabio Boschetti, Simon Farrell, Cecile Paris, and Iain Walker)
2016–2021	Douglas McFarlane (co-supervised with Ullrich Ecker)
2014–2019	Susie Wang (co-supervised with Carmen Lawrence, Iain Walker, & Zoe Leviston)

Ongoing (*N* = 2)

2020–*current*	Li Qian Tay (co-supervised with Ullrich Ecker and Tim Kurz)
2017–*current*	Anthony Di Pietro (co-supervised with Simon Farrell)

Honours (*N* = 31)

2019	Matthew Mortimer, Julia Nunn, Emma Sharpe, Kate Woolhouse, Christopher Zhao
2018	Cassandra Mircev, Emma Vincan, Mathew Walzciek
2017	Andrew Dawson, Savannah Robertson
2016	Andrew Dobson, Jordan Illey, Alexandra Kenyon, Catherine Mazza, Caitlin McAuliffe, Jesse Reid, Simon Thuijs, Belinda Xie
2015	Matthew Andreotta, Marianne Campbell, Grace McKie, Annabel Price
2014	Jemma Heart, Jay Kinkade, Jessica Sipes, Emily Tuckey
2013	Mei Jae Lai, Sarah Meredith, Isabelle Stacey
2012	Shaun Markovic, Brittany Sewell

MSc (*N* = 2)

2022	Elisabeth Checketts
2022	Connie Jordan-Turner

Final year project (*N* = 10)

2023	Anna Aishwarya, Saadia Cumar, Lucy Eaton, Sophie Gilliard, Jielong Weng
2022	Joe Bolton, Charlotte May, Chloe Ireland, Wai Man Ko, Josh Pollitt

Teaching

2020–*current*	*Unit coordinator, PSYC204 Experimental Research Methods, Lancaster University.* This unit introduces students to experimental research methods employed across different topics in psychology (cognitive and social approaches). Topics covered include experimental research design (experimental research strategy, between-participants designs, within-participants designs, and factorial designs) and how to use response time (RT) to study human behaviour (how to design an experiment with a RT measure, setting up a RT experiment, processing RT and error rate data, and analysing RT distributions). Teaching is by lectures (10×1 hour) and laboratory classes (10×2 hours). A teams-based teaching approach is adopted, with 50% of the course content being delivered by myself and the remaining 50% being delivered by a second member of academic staff. Evaluation is by individual research report (50%), group presentation (20%), and individual brief summary (30%).
2020–*current*	*PSYC201, Cognitive Psychology, Lancaster University.* This unit introduces students to key topics, issues, and debates in cognitive psychology. Topics covered include attention, learning, conscious awareness, memory, judgement and decision making. Teaching is by lectures (20×1 hour) that deliver the taught content and seminars (5×1 hour) that seek to develop students research evaluation and appraisal skills. A teams-based teaching approach is adopted, with 50% of the course content being delivered by myself and the remaining 50% being delivered by the unit coordinator. Evaluation is by critical review of a published research paper (50%) and multiple-choice exam (50%).

2020–*current*   *Unit coordinator, PSYC214 Statistics for Group Comparisons, Lancaster University.* This unit introduces students to statistical techniques for performing group comparisons, focusing on the Analysis of Variance (ANOVA) family of statistical tests. Topics covered include single-factor ANOVA (between- and within-participants designs), planned comparisons, post-hoc tests, trend analysis, factorial ANOVA (between-, within-, and mixed-participants designs), simple main effects analysis, data wrangling and data visualisation methods. Teaching is by lectures (10×1 hour) and laboratory classes (10×1 hour). Lectures focus on the theory underlying ANOVA, whereas laboratory classes focus on the pragmatics of performing ANOVA in the R statistical computing environment. A teams-based teaching approach is adopted, with 50% of the course content being delivered by myself and the remaining 50% being delivered by a second member of academic staff. Evaluation is by web-based assessments (20%) and multiple-choice class test (80%).

2020–*current*   *PSYC370, Psychology of Cooperation, Lancaster University.* This unit introduces students to the psychology of cooperation, focusing on its theoretical foundations (theoretical models of cooperation) and how it manifests in applied settings (conflict resolution, pro-social behaviour, climate change cooperation). Teaching is by lectures (20×1 hour). A teams-based teaching approach is adopted, with lectures being divided amongst four academic staff. I teach lectures on the strategy of conflict and climate change cooperation. Evaluation is by critical review (50%) and essay-based final exam (50%).

2020–*current*   *PSYC481, Psychological Aspects of Advertising, Lancaster University.* This unit introduces students to the main cognitive-psychological factors that impact on advertising success, with a particular focus on the roles of perception, attention, memory, language, and reasoning. Teaching is by seminars (10×2 hours). A teams-based teaching approach is adopted, with lectures being divided amongst four academic staff. I teach seminars on norm-based interventions for behaviour change, the cognitive psychology of misinformation, and the cognitive psychology of climate change. Evaluation is by critical evaluation (50%) and essay (50%).

2018–2020   *Guest lecturer, PSYC3303 Psychological Science in the Modern World.* This unit exposes students to the major debates, issues, and controversies in modern psychology. The unit examines a series of contemporary practical or theoretical issues and debates through a set of lectures addressing different social problems. The objective is that students use the skills taught to them in this and other units to appraise the theoretical and practical implications of various perspectives in any debate. The topics vary from year to year as key issues and debates in society and in the field of psychology change. Topics may include climate change, energy and water conservation, social conflict and educational disadvantage. I taught a guest lecture providing behavioural economic insights into why the international climate change negotiations have proved so disappointing.

2017–2020   *Unit coordinator, PSYC3302: Psychological Measurement and its Application, School of Psychological Science, University of Western Australia.* This unit introduces students to the theoretical and practical underpinnings of psychological measurement. Topics covered include the theoretical and empirical bases of reliability and validity, classical and contemporary approaches to reliability and validity, test biases, responses biases, item response theory, state-trace analysis, and applications of psychological measurement to intelligence and personality testing. Teaching is by seminars (13×2 hours) and laboratory classes (13×2 hours). Evaluation is by class participation (5%), laboratory report (20%), SPSS Lab Exam (25%), and final exam (50%).

2016–2020   *Guest lecturer, PSYC2212 Psychology and Social Behaviour, School of Psychological Science, University of Western Australia*. This unit examines the factors that influence psychological functioning in a social environment. The unit considers some of the latest theories, research and applications in areas such as attitudes, stereotyping and prejudice, relationships, altruism and social groups. Teaching is by seminars (13×2 hours) and laboratory classes (5×2 hours). Evaluation is by laboratory class participation (10%), two laboratory reports (20% each), and final exam (50%). I delivered a guest lecture and laboratory class on the behavioural economics of human cooperation in 2016, and a further guest lecture on the behavioural economics of social preferences in 2018.

2012–2020   *Topic leader, PSYC3310: Specialist Topics in Psychology, School of Psychological Science, University of Western Australia*. This unit focuses on providing students with the opportunity to learn about and perform research in a specialist topic area of psychology. Teaching is by seminars (10×2 hours) and tutorials (10×2 hours) which are delivered to a small class of between 20–30 students. Evaluation is by small scale research project report (60%), research proposal (15%), ethics application (5%), class participation and informal group presentation (10%), and formal group presentation (10%). I have delivered topics in this unit spanning a wide range of areas including: Principles of Short-term and Episodic Memory, Psychology and Climate Change, Political Psychology, Behavioural Economics, and Behavioural Game Theory.

Advisory Committees

I am a member of an expert panel of atmospheric and social scientists at The University of Western Australia that provides policy advice to the Western Australia state government on climate change.

Technical Skills

I am a proficient user of LaTeX, MATLAB, and R.

I have experience of developing, implementing, and testing cognitive models, including both algebraic and simulation models. The latter includes neural networks and sequential sampling models, such as random walk and accumulator models. I am also experienced in the use of a number of model evaluation and selection methods, including: least squares and maximum likelihood parameter estimation; polytope optimization algorithms; information criteria approaches (e.g., AIC and BIC); parameter space partitioning; landscaping; cross validation and generalization methods; bootstrapping methods.

Expert Consultancy

Between 2018–2021, I was employed by the Strategy and Behaviour Change division of The Brand Agency—one of the largest advertising, marketing, and strategy agencies in Australia and New Zealand. Here, I applied my in-depth understanding of psychology and behavioural economics to increase the persuasive impact of the agency's communications and behaviour change campaigns. Through the agency, I supplied expert consultancy to various major public sector and private sector organisations including Water Corporation, Horizon Power, the WA Road Safety Commission, WA Police, Tourism WA, City of Perth, Bunnings, and the RAC amongst others.