CHARLOTTE E R EDMUNDS

Warwick Business School, University of Warwick, UK

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Education

PhD investigating the processes of category learning Plymouth University, UK, 2013-2017.

MSc in Psychological Research Methods University of Exeter, UK, 2012-2013.
>   Achieved a Distinction and Dean's Award.

BSc Psychology University of Exeter, UK, 2009-2012.
>   **Achieved a 1st Class (Hons) degree.**

BSc Mathematics with Applied Mathematics/Mathematical Physics Imperial College London, UK, 2006-2009. **Achieved a 2:2.**

Research Experience

Postdoctoral research fellow: Communicating uncertainty (DSTL) Supervisors: Dr. Magda Osman & Dr. Adam Harris, Queen Mary, University of London, UK, 2020-present.

Postdoctoral research fellow: Accumulating to choose (ESRC) Supervisors: Prof. Neil Stewart & Dr. Tim Mullett, University of Warwick, UK, 2018-2020.

Postdoctoral research associate: Human-robot interaction Supervisors: Prof. Tony Belpaeme & Dr. Séverin Lemaignan, University of Plymouth, UK, 2018.

Consultant (statistical analysis) Supervisor: Prof. Emmanuel Pothos, City, University of London, UK, 2018.

Postdoctoral research associate: Uncertainty in associative learning Supervisor: Prof. Christopher J. Mitchell, University of Plymouth, UK, 2017-2018.

Research assistant: Investigating child-robot interactions Supervisors: Prof. Tony Belpaeme & Séverin Lemaignan, University of Plymouth, UK, 2017.

Research assistant: Bistable perception Supervisors: Prof. Sue Denham & Mihaela Taranu University of Plymouth, UK, 2017.

PhD: Investigation of a dual-systems approach to category learning Supervisors: Prof. Andy J Wills, Prof. Christopher J. Mitchell & Dr. Chris Berry, University of Plymouth, UK, 2013-2017.

MSc project: Examining Ashby et al. (2002) using state-trace analysis Supervisor: Dr. Fraser Milton, University of Exeter, UK, 2012-2013.

Honorary Research Fellow University of Exeter, England, 2011.
>   Worked with Dr. Fraser Milton on strategies in categorisation

Honorary Research Fellow University of Exeter, England, 2011.
>   Worked with Dr. Tim Kurz on recycling behaviours

Professional accreditation

Higher Education Academy Associate member

Experimental Psychology Society Member

Teaching experience

Consultant: Open University October, 2016-2017.
>   Providing additional assistance for students in using the software OpenSesame.

Module: Communicating effectively Spring 2017.
>   Delivering workshops to first year psychology undergraduates.

Module: Case studies Spring 2017.
>   Delivering workshops to second year psychology undergraduates.

Consultant: Open University Summer, 2016
>   Developing course materials for Open University students for the course "Investigating Psychology 3."

Module: Psychological research methods Autumn 2014, 2015, 2016.
>   Delivering workshops to second year psychology undergraduates.

Module: Psychobiological and Cognitive Aspects of Health Behaviour Spring, 2016, 2017
>   Assisting in workshops for first year undergraduate health and social science students.

Supervision: Third year project students 2014-2015.
>   Supervising two third year project students.

Papers

Published

Wills, A. J., Edmunds, C. E. R., Le Pelley, M. E., Milton, F., Newell, B. R., Dwyer, D. M., & Shanks, D. R. (Online, 2019). Dissociable learning processes, associative theory, and testimonial reviews: A comment on Smith and Church (2018). *Psychonomic Bulletin & Review*, 1–15. doi: 10.3758/s13423-019-01644-3

Bartlett, M., Edmunds, C. E. R., Lemaignan, S., Belpaeme, T., & Thill, S. (2019) What can you see? Identifying internal states from the kinematics of natural social interaction. *Frontiers in Human-Robot Interaction.* doi: 10.3389/frobt.2019.00049

Edmunds, C. E. R., Wills, A. J., & Milton, F. N. (2019) Initial training with difficult items does not facilitate information-integration category learning. *Quarterly Journal of Experimental Psychology: Special Issue, 72*(2), 151-167. doi: 10.1080/17470218.2017.1370477

Seabrooke, T., Hogarth, L., Edmunds, C. E. R., & Mitchell, C. J. (2019) Goal-directed cue-control in Pavlovian Instrumental Transfer. *Journal of Experimental Psychology: Animal Learning and Cognition, 45,* 95-101. doi: 10.1037/xan0000191

Lemaignan, S., Edmunds, C. E. R., Senft, E., & Belpaeme, T. (2018) The PInSoRo dataset: supporting the data-driven study of child-child and child-robot social dynamics. *PLOS ONE.* doi: 10.1371/journal.pone.0205999

Bartlett, M., Edmunds, C. E. R., Lemaignan, S., Belpaeme, T., & Thill, S. (2018) What can you see? Identifying cues on internal states from the kinematics of natural social interactions. *Interaction Design and Children Workshop.*

Wallbridge, C. D., van den Berghe, R., Hernandez Garcia, D., Kanero, J., Lemaignan, S., Edmunds, C., & Belpaeme, T. (2018) Using a robot peer to encourage the production of spatial concepts in a second language. *HAI.*

Edmunds, C. E. R., Milton, F. & Wills, A. J. (2018) Due process in dual process: Model-recovery simulations of decision-bound strategy analysis in category learning. *Cognitive Science, 42,* 833-860. doi: 10.1111/cogs.12607

Wallbridge, C. D., Lemaignan, S., Senft, E., Edmunds, C. & Belpaeme. T. (2018) Spatial referring expressions in child-robot interaction: Let's be ambiguous! *HRI 2018.*

Edmunds, C. E. R., Milton, F. & Wills, A. J. (2017) Due process in dual process: A model-recovery analysis of Smith et al. (2014). Proceedings of the 39th Annual Conference of the Cognitive Science Society.

Wills, A. J., O'Connell, G., Edmunds, C. E. R. & Inkster, A. B. (2017) Progress in modeling through distributed collaboration: Concepts, tools, and category-learning examples. *Psychology of Learning and Motivation.*

Edmunds, C. E. R., Wills, A. J. & Milton, F. (2016) Memory for exemplars in category learning. Proceedings of the 38th Annual Conference of the Cognitive Science Society.

Edmunds, C. E. R., & Wills, A. J. (2016) Modelling category learning using a dual-system approach: A simulation of Shepard, Hovland and Jenkins (1961) by COVIS. Proceedings of the 38th Annual Conference of the Cognitive Science Society.

Edmunds, C. E. R., Milton, F., & Wills, A. J. (2015). Feedback can be superior to observational training for both rule-based and information-integration category structures. *Quarterly Journal of Experimental Psychology, 68*(2), 1203-1222.

Under review

Inkster, A. B., Milton, F., Edmunds, C. E. R., & Wills, A. J. Neural correlates of the inverse base rate effect. *Journal of Cognitive Neuroscience,* 1–11. https://psyarxiv.com/muqrh/

Edmunds, C., Inkster, A., Jones, P. M., Milton, F., & Wills, A. The limits of far transfer in perceptual categorization. *Open Journal of Psychology and Neuroscience,* 1–17. https://psyarxiv.com/8vm2u/

Edmunds, C. E. R., Bose, D., Camerer, C. F., Mullett, T. L. & Stewart, N. Accumulation is late and brief in preferential choice. *Nature Human Behaviour.* https://psyarxiv.com/sa4zr/

In preparation

Bartlett, M. B., Edmunds, C. E. R., Belpaeme, T., & Thill, S. Have I got the power? A comparison of past and present reporting practice for replication in Human-Robot Interaction. *Transactions on Human-Robot Interaction.*

Edmunds, C. E. R., Mullett, T. L. & Stewart, N. Attention plays similar role in binary choice and preference estimation tasks. *Decision.*

Edmunds, C. E. R., Milton, F. & Wills, A. J. Recognition memory in rule-based and information-integration category structures. *Cognitive Science.*

Inkster, A. B., Edmunds, C. E. R. & Wills, A. J. Failure to model canonical dual-system evidence using COVIS. J*ournal of Mathematical Psychology*.

Edmunds, C. E. R., Carpenter, K. L., Wills, A. J. & Milton, F. Deferred feedback does not sharply dissociate implicit and explicit category learning. *Psychological Science.*

Conferences
Invited:

Symposium, Tagung Experimentell Arbeitender Psychologen London Metropolitan University, April 2019. "Due process in dual process theories of category learning."

Symposium, Cognition Institute Conference University of Plymouth, UK, June 2018.
"Due process in dual process theories of category learning."

Workshop, University of Exeter University of Exeter, UK, July 2017.
"Due process in dual process: The pitfalls of using strategy analyses in dual-system models of category learning"

International Convention of Psychological Science (ICPS) Amsterdam, Holland, March 2015.
"Dual-system approaches to cognition: Some thoughts and concerns"

Organised:
MINDFIELD: 6th Annual School of Psychology Conference Plymouth University, UK, June 2014.

Regular presentation:
Experimental Psychology Society Meeting London, UK, January 2019.
"Recognition performance after rule-based and information-integration categorization." Edmunds, C. E. R., Milton, F. N., & Wills, A. J.

Annual Meeting of the Psychonomics Society New Orleans, US, November 2018.
"Due process in dual-process theories of category learning." Edmunds, C. E. R., Milton, F. N., & Wills, A. J.

Cognitive Science Society 38th Annual Conference Philadelphia, US, August 2016.
"Memory for exemplars in category learning." Edmunds, C. E. R., Wills, A. J. & Milton, F.

Associative Learning Symposium XVII Gregynog, Wales, March 2015.
"Initial training with difficult items does not facilitate information-integration category learning" Edmunds, C. E. R. & Wills, A. J.

Experimental Psychology Society Meeting London, UK, January 2015.
"Feedback is superior to observational training for both rule-based and information-integration category learning" Edmunds, C. E. R., Milton, F. N., & Wills, A. J.

Associative Learning Symposium XVI Gregynog, Wales, March 2014.
"Feedback is superior to observational training for both rule-based and information-integration category learning" Edmunds, C. E. R., Milton, F. N., & Wills, A. J.

Posters:
Cognitive Science Society 39th Annual Conference London, UK, August 2017
"Due process in dual process: A model-recovery analysis of Smith et al. (2014)" Edmunds, C. E. R., Milton, F. & Wills, A. J.

Experimental Psychology Society Meeting London, UK, January 2017.
"Modelling category learning using a dual-system approach: A simulation of Shepard, Hovland and Jenkins (1961) by COVIS." Edmunds, C. E. R., & Wills, A. J.

Cognitive Science Society 38th Annual Conference Philadelphia, US, August 2016.
"Modelling category learning using a dual-system approach: A simulation of Shepard, Hovland and Jenkins (1961) by COVIS." Edmunds, C. E. R., & Wills, A. J.

Associative Learning Symposium XVIII Gregynog, Wales, March 2016.
"Comparison of recognition memory for exemplars between rule-based and information-integration category structures" Edmunds, C. E. R., Wills, A. J. & Milton, F.

Workshops:
MathPsych/ICCM University of Warwick, July 2017
"A Practical Introduction to Distributed Collaboration for Formal Modeling" Wills, Edmunds, Kurtz & Honke

Grants
Grindley Grant £500 (2019)

Pump priming £900 (2017)

University of Plymouth Research Grant £45,000 (2013)

Awards
Dean's Award for MSc Dissertation