

# JOHN C. DUNN

## Curriculum Vitae

**Contact:** School of Psychology  
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### Qualifications:

1. Ph.D., *W. Aust.*, 1984 (Supervisor: Kim Kirsner)
2. B.A. (Psychology), Honours I, *W. Aust.*, 1976

### Research interests:

Cognitive psychology, human memory, applied decision-making, cognitive modelling, mathematical psychology, methodological issues in cognitive neuroscience and human experimental psychology.

### Scholarships and prizes:

1. Australian Psychological Society Division of Scientific Affairs Early Career Award, 1989
2. Commonwealth Postgraduate Research Award, 1978-1980
3. Australian Psychological Society Student Subscribership, 1976
4. Fowler Prize in Psychology, 1976

### Professional organisations:

1. Association for Psychological Science
2. Australasian Experimental Psychology Society
3. Australasian Mathematical Psychology Society
4. Cognitive Science Society
5. International Association of Applied Psychology
6. Psychonomic Society (Fellow)

7. Society for Mathematical Psychology
8. Society for Philosophy and Psychology

**Associate Editor:**

1. *Australian Journal of Psychology*
2. *PsyCh Journal*

**Consulting Editor:**

1. *Psychological Review*
2. *Journal of Experimental Psychology: Learning, Memory and Cognition*

**Grant review panel:**

Member of the College of Reviewers for the Perception, Action, and Cognition (PAC) program, National Science Foundation of USA

**Other service to the profession:**

- |           |   |
|-----------|---|
| 2014-     | Chair, <i>Australian Psychology Accreditation Council</i>   |
| 2012-2014 | Chair, <i>Heads of Departments and Schools of Psychology Association</i><br>(Member, 2010-2014)                                     |
| 2010-2014 | Member, <i>Psychology Foundation of Australia</i> (Secretary, 2011-2014)  |
| 2012      | Member, <i>Science, Academia and Research Advisory Group</i> , Australian Psychological Society                                     |
| 2012      | Member, <i>Presidential Initiative on the Future of Psychological Science Steering Committee</i> , Australian Psychological Society |

**Research fellowships:**

- |           |   |
|-----------|---|
| 2015      | Visiting Professor, University of Linköping, Sweden   |
| 2014-2015 | Chinese Academy of Sciences Visiting Professorship for Senior International Scientists, Institute of Psychology |
| 2014      | Visiting Professor, University of Linköping, Sweden   |
| 2010      | Chinese Academy of Sciences Visiting Professorship for Senior International Scientists, Institute of Psychology |

### Academic appointments:

- 2010-            Professor, School of Psychology, University of Adelaide (Head of School, 2010-2013)
- 2006-2010    Associate Professor, School of Psychology, University of Adelaide (Deputy Head of School, 2007-2010)
- 2004-2006    Associate Professor, School of Psychiatry and Clinical Neurosciences, University of Western Australia
- 1992-2004    Senior Lecturer, School of Psychiatry and Clinical Neurosciences, University of Western Australia
- 1991           Senior Lecturer, Department of Psychology, University of Queensland
- 1984-1990    Lecturer, Department of Psychiatry and Behavioural Science, University of Western Australia
- 1982-1984    Senior Tutor, Department of Psychiatry and Behavioural Science, University of Western Australia
- 1980-1982    Research Officer, Department of Psychiatry and Behavioural Science, University of Western Australia
- 1978-1980    Full-time PhD student and part-time tutor, Department of Psychology, University of Western Australia
- 1976-1978    Research Assistant, Department of Medicine, University of Western Australia

### Publications:

- Kalish, M. L., Newell, B. R., & **Dunn, J. C.** (under review). When more is better: Working memory capacity facilitates perceptual category learning. *Psychonomic Bulletin & Review*.
- Kalish, M. L., **Dunn, J. C.**, Burdakov, O. P., & Sysoev, O. (2016). A statistical test for equality of latent orders. *Journal of Mathematical Psychology*, 70, 1-11. doi: 10.1016/j.jmp.2015.10.004
- Wixted, J. T., Mickes, L., **Dunn, J. C.**, Clark, S. E., & Wells, W. (2015). The relationship between confidence and accuracy for eyewitness identifications made from simultaneous and sequential police lineups. *Proceedings of the National Academy of Science*. doi: 10.1073/pnas.1516814112
- Rao, L.-L., **Dunn, J. C.**, Zhou, Y., & Li, S. (2015). The neural correlates of decision making strategies over short and long runs. *Scientific Reports*, 5, 15831. doi: 10.1038/srep15831
- Stephens, R. G., **Dunn, J. C.**, Rao, L.-L., & Li, S. (2015). Extrapolating from the known to the unknown: An iterated learning study. *Memory and Cognition*, 43(7), 1007-1020. doi: 10.3758/s13421-015-0522-6

- Donkin, C., Newell, B. R., Kalish, M., **Dunn, J. C.**, & Nosofsky, R. M. (2015). Identifying strategy use in category learning tasks: A case for more diagnostic data and models. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 41(4), 933-948. doi: 10.1037/xlm0000083
- Dunn, J. C.**, Kalish, M. L., & Newell, B. R. (2014). State-trace analysis can be an appropriate tool for assessing the number of cognitive systems: A reply to Ashby (2014). *Psychonomic Bulletin & Review*, 21(4), 947-954. doi: 10.3758/s13423-014-0637-y
- Kirsner, K. & **Dunn, J. C.** (2014). How cognitive science put the FSF within 'spitting distance' of the Kormoran wreck. In, T. Graham, R. King, R. Trotter, & K. Kirsner (Eds.), *The Search for HMAS Sydney: An Australian Story* (pp. 126-153). Sydney, NSW: UNSW Press. ISBN: 978-1742234205
- Zhou, Y., Li, S., **Dunn, J. C.**, Li, H.-D., Qin, W., Zhu, M.-H., Rao, L.-L., Song, M., Yu, C.-S., & Jian, T.-Z. (2014). The neural correlates of risk propensity in males and females using resting-state fMRI. *Frontiers in Behavioral Neuroscience*, 8, 2. doi: 10.3389/fnbeh.2014.00002
- Staresina, B. P., Fell, J., **Dunn, J. C.**, Axmacher, N., & Henson, R. N. (2013). Using state-trace analysis to dissociate the functions of the human hippocampus and perirhinal cortex in recognition memory. *Proceedings of the National Academy of Sciences*, 110(8), 3119-3124. doi: 10.1073/pnas.1215710110
- Little, D. R., Oehmen, R., **Dunn, J. C.**, Hird, K., & Kirsner, K. (2013). Fluency Profiling System: An automated analysis of the temporal properties of speech. *Behavior Research Methods*, 45(1), 191-202. doi: 10.3758/s13428-012-0222-0
- Marmolejo-Ramos, F., & **Dunn, J. C.** (2013). On the activation of sensorimotor systems during the processing of emotionally-laden stimuli. *Universitas Psychologica*, 12(5), 1515-1546. doi: 10.11144/6874
- Dunn, J. C.**, Newell, B. R., & Kalish, M. L. (2012). The effect of feedback delay and feedback type on perceptual category learning. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 38(4), 840-859. doi: 10.1037/a0027867
- Kalish, M. L. & **Dunn, J. C.** (2012). What can cognitive neuroscience tell us about recognition memory? *Australian Journal of Psychology*, 64(1), 29-36. doi: 10.1111/j.1742-9536.2011.00041.x
- Li, S., Jiang, C.-M., **Dunn, J. C.**, & Wang, Z.-J. (2012). A test of "reason-based" and "reluctance-to-think" accounts of the disjunction effect. *Information Sciences*, 184(1), 166-175. doi: 10.1016/j.ins.2011.09.002
- de Zubicaray, G., McMahon, K., Haywood, L., & **Dunn, J. C.** (2011). Pre-experimental familiarization increases hippocampal activity for both targets and lures in recognition memory: An fMRI study. *Journal of Cognitive Neuroscience*, 23(12), 4164-4173. doi: 10.1162/jocn\_a\_00092
- de Zubicaray, G., McMahon, K., Dennis, S., & **Dunn, J. C.** (2011). Memory strength effects in fMRI studies: A matter of confidence. *Journal of Cognitive Neuroscience*, 23(9), 2324-2335. doi: 10.1162/jocn.2010.21601

- Dunn, J. C.** & Kirsner, K. (2011). The search for HMAS Sydney II: Analysis and integration of survivor reports. *Applied Cognitive Psychology*, 25(4), 513-527. doi: 10.1002/acp.1735
- Newell, B. R., **Dunn, J. C.**, & Kalish, M. L. (2011). Systems of category learning: Fact or fantasy? In, B. H. Ross (Ed.), *The Psychology of Learning and Motivation, Vol. 54* (pp. 167-215), Burlington: Academic Press. ISBN: 978-0123855275
- Freeman, E., Dennis, S., & **Dunn, J. C.** (2010). An examination of the ERP correlates of recognition memory using state-trace analysis. In, S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society* (pp. 97-102). Austin, TX: Cognitive Science Society.
- Dunn, J. C.** (2010). How to fit models of recognition memory data using maximum likelihood. *International Journal of Psychological Research*, 3(1), 141-150. Available at <http://mvint.usbmed.edu.co:8002/ojs/index.php/web/article/view/467>
- Newell, B. R., **Dunn, J. C.**, & Kalish, M. L. (2010). The dimensionality of perceptual category learning: A state-trace analysis. *Memory & Cognition*, 38(5), 563-581. doi: 10.3758/MC.38.5.563
- Stephens, R. G., Navarro, D. J., **Dunn, J. C.** & Lee, M. D. (2009). The effect of causal strength on the use of causal and similarity-based information in feature inference. In W. Christensen, E. Schier & J. Sutton (Eds), *ASCS09: Proceedings of the 9th Conference of the Australasian Society for Cognitive Science* (pp. 325-333). Sydney: Macquarie Centre for Cognitive Science.
- Gilliland, V. & **Dunn, J. C.** (2008). Decision making in civil disputes: The effects of legal role, frame, and perceived chance of winning. *Judgment and Decision Making*, 3(7), 512-527.
- Gilliland, V., **Dunn, J. C.** & Navarro, D. J. (2008). Who framed Roger Rabbit? The effect of legal role and frame on the outcome of civil disputes. In, V. Sloutsky, B. Love, & K. McRae (Eds.) *Proceedings of the 30th Annual Conference of the Cognitive Science Society* (pp. 1005-1010). Austin, TX: Cognitive Science Society.
- Dunn, J. C.** & Bell, S. (2008). How much is recollected under remember and know responses? (Abstr.) *Australian Journal of Psychology*, 60 (Suppl.), 69.
- Durkin, K., Kirsner, K., & **Dunn, J. C.** (2008). One night at sea: Effects of verbal priming on perceptions and recollections of wartime events. *Applied Cognitive Psychology*, 22(7), 938-952.
- Newell, B. R. & **Dunn, J. C.** (2008). Dimensions in data: Testing psychological models using state-trace analysis. *Trends in Cognitive Sciences*, 12(8), 285-290.
- Dunn, J. C.** (2008). The dimensionality of the Remember-Know task: A state-trace analysis. *Psychological Review*, 115(2), 426-446.
- Kapranov, A., Kirsner, K., **Dunn, J. C.**, & Hird, K. (2008). Simultaneous interpreting as a complex dynamic system: An approach to its measurement. In, G. T. Polenova & O. E. Bondarets (Eds.), *Collected articles of the 11th International Linguistics Conference*

- (*Taganrog, Russia*) (pp. 256-278). Newcastle upon Tyne, UK: Cambridge Scholars Publishing. ISBN: 1847186521.
- Kirsner, K., Bujalka, H., Kapranov, A. & **Dunn, J. C.** (2007). How long does it take to learn a second language? *Forum on Public Policy*, 3(2), 161-170.
- Dunn, J. C.** (2007). Remember-know: A state-trace analysis. (Abstr.) *Australian Journal of Psychology*, 59 (Suppl.), 30.
- Heathcote, A., Raymond, F., & **Dunn, J. C.** (2006). Recollection and familiarity in recognition memory: Evidence from ROC curves. *Journal of Memory and Language*, 55, 495-514.
- Lautenschlager, N. T., **Dunn, J. C.**, Bonney, K., Flicker, L., & Almeida, O. P. (2006). Latent Semantic Analysis: An improved method to measure cognitive performance in subjects of non-English-speaking-background. *Journal of Clinical and Experimental Neuropsychology*, 28(8), 1381-1387.
- Dunn, J. C.** (2006). Introduction to state-trace analysis: Application to remember-know. (Abstr.) *Australian Journal of Psychology*, 58 (Suppl.), 73.
- Kirsner, K., Hird, K., & **Dunn, J. C.** (2005). Communication disorders following stroke: First step toward a new fluency protocol. *Brain and Language*, 95(1), 165-166.
- Kirsner, K. Hird, K. & **Dunn, J. C.** (2005). Speaking is a complex dynamic multi-dimensional system. (Abstr.) *Australian Journal of Psychology* 57 (Suppl: S200), 58.
- Dunn, J. C.** (2004). Remember-know: A matter of confidence. *Psychological Review*, 111(2), 524-542.
- Dunn, J. C.** & Kirsner, K. (2003). What can we infer from double dissociations? *Cortex*, 39(1), 1-7.
- Dunn, J. C.** (2003). The elusive dissociation. *Cortex*, 39(1), 177-179.
- Dunn, J. C.** & James, R. N. (2003). Signed difference analysis: Theory and application. *Journal of Mathematical Psychology*, 47(4), 389-416.
- Kirsner, K., **Dunn, J. C.**, Hird, K. & Hennessey, N. (2003). Temporal co-ordination: The lynch-pin of language production. In, S. Palethorpe & M. Tabain (Eds). *Proceedings of the Sixth International Seminar on Speech Production Sydney, Australia*: Macquarie University CD-ROM, 19-24.
- Kirsner, K., **Dunn, J. C.**, & Hird, K. (2003). Fluency: Time for a paradigm shift. In, R. H. Eklund (Ed.), *Disfluency in Spontaneous Speech [DiSS'03]*, (pp. 13-16). ISCA Tutorial and Research Workshop, ISCA Archive, [http://www.isca-speech.org/archive/diss\\_03](http://www.isca-speech.org/archive/diss_03).
- Kirsner, K., **Dunn, J. C.**, Hird, K., Parkin, T. & Clark, C. (2002). Time for a pause. *Proceedings of the 9th Australian International Conference on Speech Science*. Australian Speech Science and Technology Association Inc. SST-2002, Melbourne. ISBN: 0958194602 (CD).

- Dunn, J. C.,** Lewandowsky, S., & Kirsner, K. (2002). Dynamics of communication in emergency management. *Applied Cognitive Psychology*, 16(6), 719-737.
- Dunn, J. C.,** Almeida, O. P., Waterreus, A., Barclay, L., & Flicker, L. (2002). Latent Semantic Analysis: A new method to measure prose recall. *Journal of Clinical and Experimental Neuropsychology*, 24(1), 26-35.
- Dunn, J. C.** (2001). Dual-state models of the remember/know paradigm. (Abstr.) In, H. Bacelar-Nicolau (Ed.), *32<sup>nd</sup> European Mathematical Psychology Group Meeting* (pp. 39-40). Lisboa, Portugal: Instituto Nacional de Estatística. ISBN: 9729839115
- Dunn, J. C.** (2000). Model complexity: The fit to random data revisited. *Psychological Research/Psychologische Forschung*, 63(2), 174-182.
- Lee, C., Taylor, I., & **Dunn, J. C.** (1999). Factor structure of the Schema Questionnaire in a large clinical sample. *Cognitive Therapy and Research*, 23(4), 441-451.
- Dunn, J. C.** (1999). The epistemological limits of cognitive psychology. In, R. Heath, B. Hayes, A. Heathcote, & C. Hooker (Eds.), *Dynamical cognitive science: Proceedings of the 4<sup>th</sup> Conference of the Australasian Cognitive Science Conference*. Newcastle, NSW: University of Newcastle.
- Dunn, J. C.** (1998). Implicit memory and amnesia. In, K. Kirsner, C. Speelman, M. Maybery, A. O'Brien-Malone, M. Anderson, & C. MacLeod (Eds.), *Implicit and explicit mental processes* (pp. 99-117). Mahwah, N. J.: Erlbaum. ISBN: 978-1138002456
- Lewandowsky, S., Kalish, M., & **Dunn, J. C.** (1998). Guest editorial. *Australian Journal of Psychology*, 50(3), iii.
- Dunn, J. C.** (1998). Process dissociation and letter cued recall. (Abstr.) *Australian Journal of Psychology*, 50 (supp.), 50.
- Lewandowsky, S., **Dunn, J. C.**, Kirsner, K., & Randell, M. (1997). Expertise in the management of bushfires: Training and decision support. *Australian Psychologist*, 32(3), 171-177.
- Lambert, T. J., Kirkby, K. C., & **Dunn, J. C.** (1997). Clinical education and the computer: A proposed model for computer-aided learning in the medical curriculum. *Australasian Psychiatry*, 5(1), 19-22.
- Smith, W., Randell, M., Lewandowsky, S., Kirsner, K., & **Dunn, J. C.** (1996). Collaborative research into cognitive technology: The role of shared commitment, problem coherence and domain knowledge. *Cognitive Technology Journal*, 1, 9-18.
- Smith, W., **Dunn, J. C.**, Kirsner, K., & Randell, M. (1995). Colour in map displays: Issues for task-specific display design. *Interacting with Computers*, 7(2), 151-165.
- Kirsner, K., **Dunn, J. C.**, Kinoshita, S., Standen, P., & Hasslacher, T. (1994). Repetition priming effects in English, Kanji and Kanas: One principle, many processes. In, H.-W. Chang, J.-T. Huang, C.-W. Hue & O. J. L. Tzeng (Eds.), *Advances in the study of Chinese language processing. Vol. 1.* (pp. 127-143). Taipei, Taiwan: Department of Psychology, National Taiwan University.

- Smith, W., Randell, M., Kirsner, K. & **Dunn, J. C.** (1994). Trade-offs in task-specific display design: The balance between specialization and control. In, C. Stary (Ed.), *Proceedings of the First Interdisciplinary Workshop on Cognitive Modelling and User Interface Development*, Vienna. ISBN: 978-3531128337
- Parkin, A. J., **Dunn, J. C.**, Lee, C., O'Hara, P. F., & Nussbaum, L. (1993). Neuropsychological sequelae of Wernicke's Encephalopathy in a 20 year-old woman: Selective impairment of a frontal memory system. *Brain and Cognition*, 21(1), 1-19.
- Dunn, J. C.** (1993). Review of "Consciousness explained" by D. C. Dennett. *Behaviour Change*, 10, 108.
- Dunn, J. C.**, & Kirsner, K. (1989). Implicit memory: Task or process? In S. Lewandowsky, J. C. Dunn, & K. Kirsner (Eds.), *Implicit memory: Theoretical issues* (pp. 17-31). Hillsdale, N. J.: Erlbaum. ISBN: 978-0805803587
- Kirsner, K., **Dunn, J. C.**, & Standen, P. (1989). Domain-specific processes in word recognition. In S. Lewandowsky, J. C. Dunn, & K. Kirsner (Eds.), *Implicit memory: Theoretical issues* (pp. 99-122). Hillsdale, N. J.: Erlbaum. ISBN: 978-0805803587.
- Dunn, J. C.** & Kirsner, K. (1988). Discovering functionally independent mental processes: The principle of reversed association. *Psychological Review*, 95(1), 91-101.
- Kirsner, K., **Dunn, J. C.** & Standen, P. (1987). Record-based word perception. In, M. Coltheart (Ed.), *Attention and Performance XII: The Psychology of Reading* (pp. 147-167). Hove, East Sussex: Erlbaum. ISBN: 978-0863770845.
- Lewandowsky, S. & **Dunn, J. C.** (1987). Review of "Multidimensional Scaling: History, Theory, and Applications", F. W. Young & R. M. Hamer (Eds.). *Applied Psychological Measurement*, 11(4), 429-432.
- Dunn, J. C.** (1987). Sex and self: Medical prescriptions. In, R. G. Locke, & E. M. McDonald (Eds.), *Body, self and society* (pp. 31-36). Perth, W.A.: Professional Association of Applied Anthropology.
- Kirsner, K., & **Dunn, J. C.** (1985). The perceptual record: A common factor in repetition priming and attribute retention? In, M.I. Posner, & O.S.M. Marin (Eds.), *Mechanisms of Attention: Attention and Performance XI* (pp. 547-565). Hillsdale, N.J.: Erlbaum. ISBN: 978-0898596397
- Kirsner, K., **Dunn, J. C.**, & Schwartz, S. (1984). A processing division on the recency axis: Field and hemifield-specific processes in letter matching. *Acta Psychologica*, 55(2), 157-178.
- Dunn, J. C.** (1983). Spatial metrics of integral and separable dimensions. *Journal of Experimental Psychology: Human Perception and Performance*, 9(2), 242-257.
- Morlet, A., **Dunn, J. C.**, Keogh, E. J., Csillag, E. R., Lord, D. J., & Coleman, L-A. (1983). The effects of acute alcohol consumption on nocturnal penile tumescence. (Abstr). *Proceedings of the Australian Society of Reproductive Biology*, XV, 56.



- Poole, A. D., **Dunn, J. C.**, Sanson-Fisher, R. W. & German, G. A. (1982). The rapid-smoking technique: Subject characteristics and treatment outcome. *Behavior Research and Therapy*, 20(1), 1-7.
- Tulloch, A. G. S., Keogh, E. J., Csillag, E. R., **Dunn, J. C.**, Brown, D. S. & Morlet, A. (1982). Impotence - the team approach to investigation and surgical treatment. *British Journal of Urology*, 54(6), 755-758
- Csillag, E. R., Lord, D. J., Keogh, E. J., **Dunn, J. C.**, Glancy, J. J., & Ibach, E. G. (1982). A multidisciplinary approach to impotence. In, Z. Hoch & H.I. Lief (Eds.), *Sexology: Sexual biology, behavior and therapy*, Amsterdam: Excerpta Medica. ISBN: 978-0444902603
- Sanson-Fisher, R. W., Poole, A. D., & **Dunn, J. C.** (1980). An empirical method for determining an appropriate interval length for recording behavior. *Journal of Applied Behavioral Analysis*, 13(3), 493-500.

### **Books and Edited Volumes:**

- Lewandowsky, S., Kalish, M. L., & **Dunn, J. C.** (1998). *Australian Journal of Psychology - Special Issue on Mathematical Psychology*, 50(3), 129-212.
- Lewandowsky, S., **Dunn, J. C.**, & Kirsner, K. (Eds.), (1989). *Implicit memory: Theoretical issues*. Hillsdale, N. J.: Erlbaum. ISBN: 978-0805803587

### **Research Grants and Contracts:**

- Semmler, C., **Dunn, J. C.**, Mickes, L., & Wixted, J. (2016-2018). *A formal signal detection model of eyewitness identification*. ARC Discovery Grant (Project ID: DP160101048), \$176,200.
- Hayes, B. K., & **Dunn, J. C.** (2015-2018). *Uncovering the processes underlying human reasoning: A state-trace approach*. ARC Discovery Grant (Project ID: DP150101094), \$534,209.
- Kalish, M., Lee, M. & **Dunn, J. C.** (2013-2016). *Classifying categorization using State Trace Analysis and Hierarchical Bayesian Modeling*. National Science Foundation, \$521,947.
- Dunn, J. C.**, Kalish, M. L., Burdakov, O. P., & Anderson, L. (2013-2015). *State-trace analysis: Theory and application*. ARC Discovery Grant (Project ID: DP130101535), \$293,000.
- Dunn, J. C.** & de Zubizaray, G. I. (2011-2013). *Investigation of recognition memory in behavioural, electrophysiological, and functional neuro-imaging domains using state-trace analysis*. ARC Discovery Grant (Project ID: DP110100751), \$210,000.
- Dunn, J. C.**, Dennis, S. J. & de Zubizaray, G. I. (2008-2010). *Single and dual process models of recognition memory: Reconciliation of behavioural, electrophysiological, and neuro-imaging data*. ARC Discovery Grant (Project ID: DP0878630), \$205,000.

- Newell, B. R., **Dunn, J. C.** & Kalish, M. L. (2008-2010). *Uncovering the processes underlying human category learning*. ARC Discovery Grant (Project ID: DP0877510), \$165,000.
- Dunn, J. C.** (2006). *Single vs dual process models of categorization: Evidence from state-trace analysis*. University of Adelaide Faculty of Health Sciences Establishment Grant, \$15,000.
- Dunn, J. C.** & Heathcote, A. J. (2005-2007). *Are two processes one too many? An investigation of the viability of the dual-process model of recognition memory*. ARC Discovery Grant (Project ID: DP0558407), \$167,000.
- Kirsner, K., **Dunn, J. C.**, & Hird, K. M. (2004-2006). *Investigation of the component distributions of pause duration in spontaneous speech: Constraints for models of language production*. ARC Discovery Grant (Project ID: DP0452776), \$117,000.
- Kirsner, K., **Dunn, J. C.**, & Hird, K. M. (2003). *Pause distributions in spontaneous speaking: Time for a paradigm shift!* ARC Small-Grants Scheme, \$20,000.
- Lautenschlager, N., Almeida, O. P., & **Dunn, J. C.** (2002-2003). *Latent semantic analysis of prose recall in patients from Non-English speaking background*. UWA, Faculty of Medicine and Dentistry, Small Bequest Research Fund, \$9,270.
- Kirsner, K., **Dunn, J. C.**, & Durkin, K. (2000). *Situated memory: Transmission and transformation of knowledge about real events*. ARC Large Research Grant (Project ID: A00000893), \$30,000.
- Lewandowsky, S., **Dunn, J. C.**, & Kirsner, K. (1997-1999). *Dynamic distributed decision-making*. ARC Project Grant, \$110,000.
- Dunn, J. C.** (1994-1996). *A cost-benefit approach to the measurement of human mental workload*. ARC Small-Grants Scheme, \$40,500.
- James, R. N. & **Dunn, J. C.** (1994). *Statistical analyses*. W.A. Waterways Commission, \$20,000.
- Kirsner, K., & **Dunn, J. C.** (1993-1995). *The design and implementation of intelligent user interface systems: The role of mental models in C<sup>3</sup>I (command, control, communications and intelligence)*. ARC Collaborative Research Grant, \$310,000.
- Kirsner, P. K., Milech, D., MacLeod, C., **Dunn, J. C.**, & Roy, G. (1992-1994). *Research on the measurement, acquisition and protection of human skills in the management and control of complex systems*. Weapons Systems Research Laboratories, Defence Science and Technology Organisation, \$151,616.
- Milech, D., **Dunn, J. C.**, Kirsner, K., & Roy, G. (1991). *A computer-managed training system for process control operators*. DITAC Generic Technology Grants Information Technology and Communications Technology, \$100,604.
- Kirsner, K., **Dunn, J. C.**, MacLeod, C. & Morrison, D. (1989-1991). *Measurement of stress in submariners*. Weapons Systems Research Laboratories, Defence Science and Technology Organisation, \$130,000.

- Kirsner, K., MacLeod, C., **Dunn, J. C.**, & Morrison, D. (1989). *Job satisfaction and attrition among submariners*. Weapons Systems Research Laboratories, Defence Science and Technology Organisation, \$20,000.
- Dunn, J. C.** & Kirsner, K. (1988-1989). *Source memory in amnesia*. NH&MRC, \$45,520.
- Kirsner, K. & **Dunn, J. C.** (1987-1989). *Memory for transformed stimuli*. ARGS, \$116,370.
- Dunn, J. C.** (1986). *An investigation of spared memory in amnesia*. UWA Faculty of Medicine Research Grant, \$2000.
- Kirsner, K., **Dunn, J. C.**, & Milech, D. (1986). *Processing consequences of different writing systems*. CTEC Special Research Grant, \$27,072.
- Kirsner, K., Milech, D., & **Dunn, J. C.** (1985). *Lexical organisation and attribute retention*. ARGS, \$26,744.
- Dunn, J. C.** (1984). *Attentional processes in the perception of multi-attribute objects*. CTEC Special Research Grant, \$13,850.
- Keogh, E. J., Csillag, E. R., Lord, D. J., Tulloch, A. G. S., & **Dunn, J. C.** (1982). *Assessment of the aetiology of alcohol-related impotence*. Australian Associated Brewers, \$10,000.

#### **Invited Seminars / Addresses:**

- Dunn, J. C.**, Burdakov, O. P., Kalish, M. L., Sysoev, O., & Anderson, L. (2015, July). *Progress in solving the compound monotonic regression (CMR) problem II*. Invited seminar, Department of Mathematics, Linköping University, Linköping, Sweden.
- Dunn, J. C.**, Burdakov, O. P., Sysoev, O., & Kalish, M. L. (2014, May). *Progress in solving the compound monotonic regression (CMR) problem*. Invited seminar, Department of Mathematics, Linköping University, Linköping, Sweden.
- Dunn, J. C.** (2012, December). *The problem of nomic measurement in psychological science*. Invited seminar, Department of Mathematics, Linköping University, Linköping, Sweden.
- Dunn, J. C.** & Stephens, R. (2011, July). *Framing effects in litigation: An iterated learning study*. Invited seminar, Institute of Psychology, Chinese Academy of Sciences, Beijing, China.
- Dunn, J. C.** (2010, November). *Analysing the functional elements of the mind: An introduction to State Trace Analysis*. Invited seminar, Institute of Psychology, Chinese Academy of Sciences, Beijing, China.
- Dunn, J. C.** (2009, September). *Mathematical psychology*. Keynote address, 53rd Annual Meeting of the Australian Mathematical Society, Adelaide, Australia.
- Dunn, J. C.** (2008, July). *Models of recognition memory: A state trace analysis*. Invited paper, Conference on Formal Models of Memory, Judgment and Decision Making, Mannheim, Germany.

- Dunn, J. C.,** Newell, B. & Kalish, M. (2008, July). *In two minds? Uncovering the processes underlying perceptual category learning*. Invited seminar, Institute of Psychology, Chinese Academy of Sciences, Beijing, China.
- Dunn, J. C.** (2006, November). *Comparing single and dual process theories of recognition memory*. Invited seminar, University of Louisiana-Lafayette, USA.
- Dunn, J. C.** (2006, April). *Introduction to state-trace analysis: Application to remember-know*. Invited seminar, University of New South Wales, Sydney, Australia.
- Dunn, J. C.** (1999, July). *Model complexity as the mean distance between a model and arbitrary data*. Symposium on Model Complexity: 32<sup>nd</sup> Annual Mathematical Psychology Meeting, Santa Cruz, USA.
- Dunn, J. C.** (1995). *Repression and memory*. Invited address, Australian Association of Cognitive Behaviour Therapy, Perth, Australia.
- Dunn, J. C.** (1995). *Autobiographical memory*. Invited address, Australian Psychological Society Annual Symposium: Professional practice and conceptualisations of memory. Perth, Australia.
- Deeley, D., James, R. N., & **Dunn, J. C.** (1995). *Historical changes to the water quality of the Peel-Harvey Estuary*. Invited address, Environmental Institute of Australia Symposium: The Dawesville Channel and management of the Peel-Harvey Estuary - One year on. Perth, Australia.
- Kirsner, K., **Dunn, J. C.**, & Standen, P. (1988). *Is implicit memory perceptual?* Symposium on Implicit Memory: Theoretical issues, Perth, Australia.
- Dunn, J. C.** & Kirsner, K. (1988). *Characterising implicit memory: Task or process?* Symposium on Implicit Memory: Theoretical issues, Perth, Australia.
- Kirsner, K., **Dunn, J. C.**, & Standen, P. (1986). *Perception and memory: The role of computation*. Attention and Performance XII Conference, Windsor, U.K.
- Dunn, J. C.** (1984). *Cognitive neuropsychology*. Postgraduate Neurosciences Seminar, Department of Psychology, University of Western Australia, Perth, Australia.
- Kirsner, K., & **Dunn, J. C.** (1984). *Lexical units and voluntary processes: Free and effortful contributions to memory for detail*. Attention and Performance XI Conference, Eugene, Oregon, USA.

### **Conference Presentations and Unpublished Reports:**

#### **2015:**

- Stephens, R. G., **Dunn, J. C.**, Hayes, B., & Kalish, M. L. (2015, July). *The influence of logic training and believability on inductive and deductive judgments*. 14<sup>th</sup> Annual Summer Interdisciplinary Conference, Mammoth Lakes, California, USA.
- Dunn, J. C.**, Stephens, R. G., & Keech, C. (2015, May). *A test of differentiation and criterion shift accounts of the strength-based mirror effect*. Context and Memory Symposium, Philadelphia, USA.

## 2014:

Hayes, B., Pentney, L., **Dunn, J. C.**, & Stephens, R. (2014, November). *How many processes underlie human reasoning?* 55<sup>th</sup> Annual Meeting of the Psychonomics Society, Long Beach, USA.

**Dunn, J. C.**, Burdakov, O. P., Sysoev, O., & Kalish, M. L. (2014, July). *Progress in solving the compound monotonic regression (CMR) problem.* 16<sup>th</sup> Baikal International Triannual School-Seminar: Methods of Optimization and their Applications, Khuzhir, Russia.

Hayes, B. K., Liew, J., Stephens, R. & **Dunn, J. C.** (2014, April). *How many types of reasoning are there? Part 1: Evidence from functional dissociations and reversed associations.* 41<sup>st</sup> Australasian Experimental Psychology Conference, Brisbane, Australia.

Stephens, R., **Dunn, J. C.**, & Hayes, B. K. (2014, April). *How many types of reasoning are there? Part 2: A high-dimensional state-trace analysis.* 41<sup>st</sup> Australasian Experimental Psychology Conference, Brisbane, Australia.

**Dunn, J. C.**, Mickes, L., & Wixted, J. (2014, February). *Towards a model of lineup identification.* 19<sup>th</sup> Australasian Mathematical Psychology Conference, Canberra, Australia.

## 2013:

**Dunn, J. C.**, Keech, C. & Stephens, R. (2013, November). *A test of differentiation and criterion shift accounts of the strength-based mirror effect.* 54<sup>th</sup> Annual Meeting of the Psychonomics Society, Toronto, Canada.

**Dunn, J. C.** (2013, July). *Why there can be no such thing as the face-inversion effect: The problem of nomic measurement in psychological science.* 12<sup>th</sup> Annual Summer Interdisciplinary Conference, Cortina d'Ampezzo, Italy.

**Dunn, J. C.** (2013, April). *Why there can be no such thing as the face-inversion effect: The problem of nomic measurement in psychological science.* 40<sup>th</sup> Australasian Experimental Psychology Conference, Adelaide, Australia.

**Dunn, J. C.**, Dennis, S. & Freeman, E. (2013, February). *A procedure for identifying a recognition memory signal in event-related potentials using monotonic regression.* 18<sup>th</sup> Australasian Mathematical Psychology Conference, Sydney, Australia.

## 2012:

Hird, K. M., Kirsner, K., Little, D., Oehmen, R. & **Dunn, J. C.** (2012, November). *Objective automated analysis of natural language: The Fluency Profiling System as a measure of the efficiency of dynamic language networks.* Frontiers of Human Neuroscience Conference, Abstract: ACNS-2012, Australasian Cognitive Neuroscience Conference, Brisbane, Australia. doi: 10.3389/conf.fnhum.2012.208.00045

Burdakov, O. P., **Dunn, J. C.**, & Kalish, M. L. (2012, August). *An approach to solving decomposable optimization problems with coupling constraints.* 21<sup>st</sup> International Symposium on Mathematical Programming, Berlin, Germany.

**Dunn, J. C.,** Dennis, S. & Freeman, E. (2012, July). *Identifying the functional components of event-related potentials using state-trace analysis*. 11<sup>th</sup> Annual Summer Interdisciplinary Conference, Cala Gonone, Italy.

**Dunn, J. C.,** Burdakov, O., & Kalish, M. L. (2012, June). *A compound monotonic regression problem*. 3<sup>rd</sup> Conference on Optimization Methods and Software, Chania, Greece.

**Dunn, J. C. & Kalish, M. L.** (2012, February). *A monotonic regression approach to state-trace analysis*. 17<sup>th</sup> Australasian Mathematical Psychology Conference, Adelaide, Australia.

## **2011:**

de Zubizaray, G., McMahon, K., Dennis, S., & **Dunn, J. C.** (2011, August). *Memory strength effects in fMRI studies: A matter of confidence*. 5<sup>th</sup> International Conference on Memory (ICOM5), August 2011, York, UK.

**Dunn, J. C.** (2011, July). *A state-trace analysis of recognition memory*. Symposium on recognition memory: 44<sup>th</sup> Annual Meeting of the Society for Mathematical Psychology, Boston, USA.

**Dunn, J. C. & DeCarlo, L.** (2011, July). *Type 1 and Type 2 models of the mirror effect in recognition memory*. 44<sup>th</sup> Annual Meeting of the Society for Mathematical Psychology, Boston, USA.

**Dunn, J. C.,** Newell, B. R. & Kalish, M. (2011, July). *The effect of feedback delay and feedback type on perceptual category learning: A state-trace analysis*. 10<sup>th</sup> Annual Summer Interdisciplinary Conference, Caldes de Boí, Spain.

**Dunn, J. C.,** Li, S. & Stephens, R. (2011, July). *Comparing people's knowledge about everyday and not-so-everyday events using iterated learning*. 9<sup>th</sup> Biennial Conference of Asian Association of Social Psychology, Kunming, China.

**Dunn, J. C.,** Kalish, M., & Newell, B. N. (2011, February). *Effects of feedback delay, type of feedback, and mask confusability on rule-based and information integration category learning: A state trace analysis*. 16<sup>th</sup> Australasian Mathematical Psychology Conference, Melbourne, Australia.

Stephens, R. G., **Dunn, J. C.,** & Li, S. (2011, February). *Comparing people's knowledge about everyday and not-so-everyday events using iterated learning*. 16<sup>th</sup> Australasian Mathematical Psychology Conference, Melbourne, Australia.

## **2010:**

**Dunn, J. C. & Kirsner, K.** (2010, July). *The search for HMAS Sydney II: Locating a lost ship through the integration of survivor reports*. 27<sup>th</sup> International Congress of Applied Psychology, Melbourne, Australia.

Freeman, E., Dennis, S., & **Dunn, J. C.** (2010, July). *An examination of the ERP correlates of recognition memory using state-trace analysis*. 32<sup>nd</sup> Annual Conference of the Cognitive Science Society. Austin, USA.

**Dunn, J. C.** (2010, May). *Single and dual process models of recognition memory: A state trace analysis*. Context and Episodic Memory Symposium, Philadelphia, USA.

**Dunn, J. C.** (2010, April). *Neuroscience support for dual-process accounts of recognition memory: Two problems and a pitfall*. 37<sup>th</sup> Australasian Experimental Psychology Conference, Melbourne, Australia.

**Dunn, J. C., Kalish, M., & Newell, B.** (2010, February). *State trace analysis of recognition memory data: A maximum likelihood null hypothesis testing approach*. 15<sup>th</sup> Australasian Mathematical Psychology Conference, Margaret River, Australia.

#### **2009:**

**Dunn, J. C. & Heathcote, A.** (2009, August). *State trace analysis of recognition memory data*. Symposium of state-trace analysis: 42<sup>nd</sup> Annual Meeting of the Society for Mathematical Psychology, Amsterdam, Netherlands.

**Dunn, J. C.** (2009, July). *Source memory: Test of a two-dimensional signal detection model*. 8<sup>th</sup> Annual Summer Interdisciplinary Conference, Sarre, Italy.

**Dunn, J. C.** (2009, April). *Source memory: Test of a two-dimensional signal detection model*. 36<sup>th</sup> Experimental Psychology Conference, Wollongong, Australia.

**Dunn, J. C. & Heathcote, A.** (2009, February). *State trace analysis of recognition memory data*. 14<sup>th</sup> Australasian Mathematical Psychology Conference, Newcastle, Australia.

#### **2008:**

**Dunn, J. C., Kalish, M. & Newell, B.** (2008, July). *Dimensions in data: Analysis of category learning models*. 41<sup>st</sup> Annual Meeting of the Society for Mathematical Psychology, Washington DC, USA.

**Dunn, J. C.** (2008, July). *Models of recognition memory: A state-trace analysis*. Symposium on models of memory. 29<sup>th</sup> International Congress of Psychology, Berlin, Germany.

Gilliland, V. & **Dunn, J. C.** (2008, March). *The effects of legal role, frame and perceived chance of winning*. 35<sup>th</sup> Experimental Psychology Conference, Fremantle, Australia.

**Dunn, J. C. & Bell, S.** (2008, March). *How much is recollected under remember and know responses?* 35<sup>th</sup> Experimental Psychology Conference, Fremantle, Australia.

#### **2007:**

**Dunn, J. C.** (2007, December). *The relation between recognition and recall: A state-trace analysis*. 13<sup>th</sup> Australasian Mathematical Psychology Conference, Canberra, Australia.

Heathcote, A., Brown, S., & **Dunn, J. C.** (2007, July). *State-Trace Analysis of the Face Inversion Effect*. 40<sup>th</sup> Annual Meeting of the Society for Mathematical Psychology, Costa Mesa, CA, USA.

Kirsner, K., Jardine, B., **Dunn, J. C.**, & Hird, K. (2007, July). *Does fluency in natural language depend on the capacity of working memory?* Joint Meeting of the Experimental Psychology Society and the Psychonomics Society, Edinburgh, UK.

**Dunn, J. C., Heathcote, A., Brown, S., & Stephens, R.** (2007, June). *Dual process model of recognition memory: A state trace analysis*. 6<sup>th</sup> Annual Summer Interdisciplinary Conference, Kalymnos, Greece.

**Dunn, J. C.** (2007, April). *Remember-Know: A state trace analysis*. 34<sup>th</sup> Experimental Psychology Conference, Canberra, Australia.

#### **2006:**

**Dunn, J. C.** (2006, November). *Ordinal and other process dissociation: Geometric representation and testability*. 47<sup>th</sup> Annual Meeting of the Psychonomic Society, Houston, USA.

**Dunn, J. C.** (2006, July). *Models of the process dissociation procedure*. Memory and Concept Formation Workshop, Margaret River, Australia.

**Dunn, J. C.** (2006, April). *Introduction to state-trace analysis: Application to remember-know*. 33<sup>rd</sup> Experimental Psychology Conference, Brisbane, Australia.

#### **2005:**

**Dunn, J. C.** & Johnston, J. (2005, December). *Remember-know: A state-trace analysis*. 12<sup>th</sup> Australasian Mathematical Psychology Conference, Adelaide, Australia.

Kirsner, K., **Dunn, J. C.**, & Hird, K. (2005, December). *Language Production: A complex dynamic system with a chronometric footprint*. 7<sup>th</sup> International Conference on Cognitive Systems, New Delhi, India.

Kirsner, K., Hird, K., **Dunn, J. C.**, & Foster, J. (2005, November). *Measurement of cognitive processes in spontaneous speaking: The role of pause and speech segment duration*. 46<sup>th</sup> Annual Meeting of the Psychonomic Society, Toronto, Canada.

Kirsner, K., Hird, K. & **Dunn, J. C.** (2005, October). *Communication disorders following stroke: First step toward a new 'fluency' protocol*. 43<sup>rd</sup> Annual Meeting of the Academy of Aphasia, Amsterdam, Netherlands.

Hird, K., Silvestre, J., **Dunn, J. C.**, & Kirsner, K. (2005, June). *Aphasia classification: The relationship between objective measures of spontaneous speaking samples and naïve listener judgements of similarity and fluency*. 35<sup>th</sup> Clinical Aphasiology Conference, Fort Myers, Florida, USA.

Kirsner, K., **Dunn, J. C.** & Hird, K. M. (2005, April). *Speaking is a complex dynamic multi-dimensional system*. 32<sup>nd</sup> Experimental Psychology Conference, Melbourne, Australia.

#### **2000-2004:**

**Dunn, J. C.** (2004, July). *The signal-detection interpretation of the Remember-Know paradigm: A strong inference test*. 37<sup>th</sup> Annual Meeting of the Society for Mathematical Psychology, Ann Arbor, USA.

**Dunn, J. C.** (2004, June). *The signal-detection interpretation of the Remember-Know paradigm: A strong inference test*. 3<sup>rd</sup> Annual Summer Interdisciplinary Conference, Cavalese, Italy.

**Dunn, J. C.** (2003, November). *The signal detection theory interpretation of the Remember-Know paradigm: An optimal scaling analysis*. 11<sup>th</sup> Australasian Mathematical Psychology Conference, Sydney, Australia.



- Kirsner, K., Hird, K., **Dunn, J. C.** & Ciccone, N. (2003, September). *Fluency: the impact of acquired communication disorders on the pause duration distribution in spontaneous speech*. British Aphasiology Society Biennial International Conference, Newcastle-on-Tyne, UK.
- Kirsner, K., **Dunn, J. C.** & Hird, K (2003, September). *Pause duration distributions: A new window on the cognitive engine-room*. European Society for Cognitive Psychology, Granada, Spain.
- Kirsner, K., **Dunn, J. C.** & Hird, K. (2003, July). *The temporal engine in language production: A draft design*. Joint International Conference: 4th ICCS International Conference on Cognitive Science; 7<sup>th</sup> ASCS Australasian Society for Cognitive Science Conference, Sydney, Australia.
- Kirsner, K., **Dunn, J. C.** & Hird, K. (2003, April). *Language and Memory: Modules, systems, or chapter headings from a text-book?* 30<sup>th</sup> Experimental Psychology Conference, Sydney, Australia.
- Dunn, J. C.** (2003, March). *What can we infer from double dissociations?* British Psychological Society Annual Conference, Bournemouth, UK.
- Dunn, J. C.**, Kirsner, K., & Durkin, K. (2003, March). *Exploring the internal structure of an oral history using latent semantic analysis*. British Psychological Society Annual Conference, Bournemouth, UK.
- Kirsner, K., **Dunn, J. C.**, Hird, K., Parkin, T. & Clark, C. (2002, December). *Time for a pause*. 9<sup>th</sup> Speech Science Technology Conference, Melbourne, Australia.
- Dunn, J. C.**, Kirsner, K., & Durkin, K. (2002, February). *Analysis of the structure of an oral history using latent semantic analysis*. 6<sup>th</sup> Australasian Cognitive Science Conference, Fremantle, Australia.
- Dunn, J. C.** (2001, December). *Dual-state models of the remember/know paradigm*. 10<sup>th</sup> Australasian Mathematical Psychology Conference, Newcastle, Australia.
- Dunn, J. C.** & Kirsner, K. (2001, November). *Locating HMAS Sydney and HSK Kormoran by temporal triangulation*. HMAS Sydney (II) Seminar, Fremantle, Australia.
- Dunn, J. C.** (2001, October). *Dual-state models of the remember/know paradigm*. 32<sup>nd</sup> European Mathematical Psychology Group Meeting, Lisbon, Portugal.
- Dunn, J. C.** & Kalish, M. (2000, July). *Comparing models of categorization using signed difference analysis*. 33<sup>rd</sup> Annual Mathematical Psychology Meeting, Kingston, Ontario, Canada.
- Dunn, J. C.** (2000, July). *A new method of model testing: Application to the remember-know paradigm*. 27<sup>th</sup> International Congress of Psychology, Stockholm, Sweden.
- 1995-1999:**
- Dunn, J. C.** & James, R. N. (1999, November). *Zone analysis: A strong inference method of model testing*. 9<sup>th</sup> Australasian Mathematical Psychology Conference, Brisbane, Australia.

- Dunn, J. C.** & James, R. N. (1999, July). *Zone analysis: A strong inference method of model testing*. 32<sup>nd</sup> Annual Mathematical Psychology Meeting, Santa Cruz, USA.
- Lee, C. W., Taylor, G., & **Dunn, J. C.** (1998). *Factor structure of Young's Schema Questionnaire in a large clinical sample*. World Congress of Behavioral and Cognitive Therapies, Acapulco, Mexico.
- Kirsner, K., & **Dunn, J. C.** (1998). *Review of evidence that the wreck of the HSK Kormoran is at 28°39'S 113°22'E*. Submission to the Parliament of the Commonwealth of Australia, Joint Standing Committee on Foreign Affairs, Defence and Trade: Defence Sub-Committee.
- Kirsner, K., & **Dunn, J. C.** (1998). *Feasibility of the search for HMAS Sydney and HSK Kormoran: Oceanographic and cognitive issues*. Submission No. 135 to the Parliament of the Commonwealth of Australia, Joint Standing Committee on Foreign Affairs, Defence and Trade: Defence Sub-Committee.
- Dunn, J. C.** (1998). *Process dissociation and letter cued recall*. 25<sup>th</sup> Annual Experimental Psychology Conference, Hobart, Australia.
- Dunn, J. C.** & James, R. N. (1997). *Cordant zone analysis: A method to determine the number of processes underlying multiple task performance*. 8<sup>th</sup> Australasian Mathematical Psychology Conference, Perth, Australia.
- Dunn, J. C.** (1997). *The epistemological limits of cognitive psychology*. 4<sup>th</sup> Conference of the Australasian Cognitive Science Society, Newcastle, Australia.
- James, R. N., & **Dunn, J. C.** (1996). *Water quality in the Peel-Harvey estuarine system for the Period 1977-1993*. Report for Government of Western Australia, Water and Rivers Commission.
- Dunn, J. C.** & James, R. N. (1995). *Testing models when variables don't mean what they say*. 7<sup>th</sup> Australian Mathematical Psychology Conference, Melbourne, Australia.
- Dunn, J. C.** (1995). *Procurement policy in software design: The exhalation of function over use*. 30<sup>th</sup> Annual Conference of the Australian Psychological Society, Perth, Australia.
- Stein, M., **Dunn, J. C.**, & Armstrong, B. (1995). *Predictors of psychosocial adjustment to breast cancer: A longitudinal study*. 30<sup>th</sup> Annual Conference of the Australian Psychological Society, Perth, Australia.
- Dunn, J. C.** (1995). *The recovered memory debate: Scientist practitioner divide*. University of Western Australia Psychology Department Annual Conference. Perth, Australia.
- 1991-1995:**
- Randell, M., Kirsner, K., **Dunn, J. C.**, Smith, W., & Lewandowsky, S. (1995). *From mental models to interface design: Improving decisions in complex domains*. 3<sup>rd</sup> Australasian Cognitive Science Conference, Brisbane, Australia.
- Smith, W., Randell, M., Kirsner, K., & **Dunn, J. C.** (1994). *Trade-offs in the design of task-specific displays: The balance between specialization and control*. 1<sup>st</sup> International Workshop on Cognitive Modeling and User Interface Development, Vienna, Austria.

Smith, W., **Dunn, J. C.**, Kirsner, K., & Randell, M. (1994). *Colour in map displays: Issues for task-specific design*. Australian Computer-Human Interface Conference, Melbourne, Australia.

Kirsner, K., Randell, M., Smith, W., & **Dunn, J. C.** (1994). *Cognitive engineering: A case study*. Invited paper, 28<sup>th</sup> Annual Meeting of the Australian Psychological Society, Wollongong, Australia.

**Dunn, J. C.** & James, R. N. (1994). *Determining the dimensionality of a data under monotonicity: The analysis of cordant zones*. 27<sup>th</sup> Meeting of the Society of Mathematical Psychology, Seattle, USA.

**Dunn, J. C.** & James, R. N. (1993). *Determining the number of latent variables under monotonicity*. 6<sup>th</sup> Australian Mathematical Psychology Conference, Newcastle, Australia.

Kirsner, K., **Dunn, J. C.**, Standen, P., Kinoshita, S., & Hasslacher, T. (1993). *Repetition priming effects in English, Kanji and Kanas: One principle; many processes*. 6<sup>th</sup> International Symposium on Cognitive Aspects of the Chinese Language, Taipei, Taiwan.

Speelman, C. P., Kirsner, K., & **Dunn, J. C.** (1993). *Skill acquisition models and implicit memory: The case for unification*. 2<sup>nd</sup> Australasian Cognitive Science Conference, Melbourne, Australia.

**Dunn, J. C.** (1992). *The measurement of mental workload*. University of Western Australia Psychology Department Annual Conference, Perth, Australia.

Kirsner, K., MacLeod, C., **Dunn, J. C.**, Morrison, D., & Hansen, J. (1991). *Stress and performance: The role of cognitive resources*. Commonwealth Defence Science Conference, Auckland, NZ.

#### **1976-1990:**

**Dunn, J. C.** (1990). *A method for correcting for guessing in recognition memory paradigms*. 24<sup>th</sup> Annual Conference of the Australian Psychological Society, Melbourne, Australia.

**Dunn, J. C.** (1990). *Processes underlying implicit and explicit memory*. Invited address, 24<sup>th</sup> Annual Conference of the Australian Psychological Society, Melbourne, Australia.

**Dunn, J. C.**, & Kirsner, K. (1988). *Beyond double dissociation: The logic of analysing mental function*. XXIV International Congress of Psychology, Sydney, Australia.

Kirsner, K., **Dunn, J. C.**, & Standen, P. (1988). *The representation of spoken and written words*. 15<sup>th</sup> Australian Experimental Psychology Conference, Sydney, Australia.

Kirsner, K., **Dunn, J. C.**, Standen, P., & Milech, D. (1986). *Modality and morphology effects in word recognition*. Joint Conference of the British Experimental Psychology Society, the Società Italiana di Psicologia, and the Società Italiana di Neuropsicologia, Padua, Italy.

- Dunn, J. C.** (1986). *Self and sex: Medical prescriptions*. Professional Association for Applied Anthropology and Sociology Conference – “Body, Self, and Society”, Perth, Australia.
- Kirsner, K. & **Dunn, J. C.** (1985). *Intercode computation: An account of inter- and intra-lingual attribute effects in two behavioural domains*. 12<sup>th</sup> Annual Experimental Psychology Conference, Newcastle, Australia.
- Dunn, J. C.** (1983). *The basis of dimensional integrality*. Unpublished doctoral thesis. University of Western Australia.
- Dunn, J. C.,** Csillag, E. R., Keogh, E. J., Tulloch, A. G. S., Lord, D. J. & Brown, D. S. (1982). *The use of nocturnal penile tumescence in the differential diagnosis of impotence*. 25<sup>th</sup> Anniversary Celebratory Symposium, UWA Faculty of Medicine, Perth, Australia.
- Csillag, E. R., Lord, D. J. & **Dunn, J. C.** (1981). *An inpatient therapy programme for sexual dysfunction*. 5<sup>th</sup> World Congress of Sexology, Jerusalem, Israel.
- Dunn, J. C.** (1980). *The role of learning in the integrality of stimulus dimensions*. 7<sup>th</sup> Annual Experimental Psychology Conference, Sydney, Australia.
- Dunn, J. C.** (1976). *Preprocessing operations in letter recognition*. Unpublished Honours thesis, University of Western Australia.

#### **Postgraduate students:**

- Annemarie Monck (M.Psych, 2014)
- Nicholas Hamm (Ph.D., 2014)
- Rebecca Heyer (Ph.D., 2013)
- Dragana Calic (Ph.D., 2013)
- Rachel Stephens (Ph.D., 2012)
- Fernando Marmolejo-Ramos (Ph.D., 2011)
- Victoria Gilliland (Ph.D., 2010)
- Michael Webb (M.Sc., 2010)
- Benjamin Stone (Ph.D., 2009)
- Angela Kinnell (Ph.D., 2009)
- Oleksandar Kapranov (Ph.D., 2009)
- Miriam Stein (Ph.D., 1997)
- Sharlene Graham (M.Org.Psych., 1993)
- Michelle Hoad (M.Org.Psych., 1993)

**Conference organising committee:**

1. 17<sup>th</sup> Australasian Mathematical Psychology Conference, February 2012, Adelaide (40 participants).
2. 6<sup>th</sup> Conference of the Australasian Cognitive Science Society, April 2002, Fremantle, Australia (100+ participants).
3. 34<sup>th</sup> Annual Congress of the Royal Australian and New Zealand College of Psychiatrists, April 1999, Perth, Australia (500+ participants).
4. 8<sup>th</sup> Australasian Mathematical Psychology Conference, November 1997, Perth, Australia (40 participants).
5. Conference on Implicit Memory, August 1988, Perth, Australia (30 participants).

**Ad hoc journal reviews:**

- *Australian Journal of Psychology*
- *Behavior Research Methods*
- *Cognitive Psychology*
- *Cognitive Science*
- *Consciousness and Cognition*
- *Cortex*
- *Journal of Experimental Psychology: Human Perception and Performance*
- *Journal of Experimental Psychology: Learning, Memory, and Cognition*
- *Journal of Mathematical Psychology*
- *Journal of Memory and Language*
- *Learning and Memory*
- *Memory*
- *Memory and Cognition*
- *NeuroReport*
- *Perception and Psychophysics*
- *Psychological Bulletin*
- *Psychological Review*
- *Psychometrika*
- *Psychonomic Bulletin & Review*
- *Quarterly Journal of Experimental Psychology*
- *Risk Analysis*
- *Trends in Cognitive Sciences*

**Ad hoc reviewer for the following funding bodies:**

- *Australian National Health and Medical Research Council*
- *Australian Research Council*
- *Economic and Social Research Council (UK)*
- *Israel Science Foundation*
- *National Science Foundation (USA)*
- *Natural Sciences and Engineering Research Council of Canada*