

CURRICULUM VITAE
DR. MARK BAHR

Dr. Bahr is a cognitive developmental psychologist with special interests in learning theory and children's acquisition of cognitive skills. Over the past 5 years he has been involved in two of the largest studies of educational reform in Australia. These studies have examined the impact of pedagogy directed at enriching base domain knowledge, and transparency of knowledge representation on the development of children's reasoning in educational settings. In the same period he has also been supervising research on the relationship between child directed speech and children's vocabulary development, and the development of social and cognitive play in children with autism.

He is also interested in research methodology, including the design and administration of test instruments, and social surveys. He has been involved in the teaching of social research methodology courses for over a decade. More recently he has taught and designed courses in Psychological and educational assessment. In this period he has been involved with the development of numerous survey, and test instruments measuring domains as diverse as mathematical skills, diagnostic tools for eating disorders and body perception. These courses have gained APS accreditation.

Dr. Bahr has worked closely with the Schonell Centre on a number of research projects investigating the development of children with developmental disabilities. These projects have included studies of delay of gratification, the development of literacy, authentic testing for the disabled, and the use individual developmental trajectories in long term monitoring.

In addition to being involved in the APS accreditation of psychology courses offered at the Schonell centre (University of Queensland) and The School of Psychology at Griffith University Dr. Bahr has been a key contributor to a number of school reviews and quality assurance rounds. Most recently he was part of a small writing team for the Graduate School of Education Review in 2003. This review rated the school as the leading school of Education in Australia at the time.

He was part of a multidisciplinary team involved in the evaluation of the implementation of the New Basics in Queensland schools (\$13.9 million). This evaluation represented a radical shift in the nature of evaluation in Queensland education. The evaluation is strongly evidence based consisting of a total of 27 studies arising from 7 fundamental research questions. The studies utilised both quantitative and qualitative methods and were designed to identify evidence of substantive change in the system triangulated against multiple sources of evidence.

He has pioneered the use of flexible delivery of research methodology courses on intranet, WWW, and CD. In 2001 Dr. Bahr was granted \$137,000 for the development of a research facility to evaluate educational uses for technology.

Dr. Bahr is eligible for membership of the Australian Psychological Society, and is eligible for registration as a Psychologist in Queensland.

Qualifications: Ph.D. (University of Queensland), 1997.
Dip. App. Psych (University of Queensland), 1986
B.A. (Flinders), 1980

Appointment history:

2005 Lecturer Bond University, PSYC12-200: *Statistics & Data Analysis II*, PSYC12-315: *Developmental Psychology* (guest lecturer), PSYC13-301: *Learning & Cognitive Psychology*, PSYC13-345: *Statistics & Data Analysis III*, PSYC71-403: *Assessment & Diagnosis*, PSYC71-409: *Multivariate Research Methods*, PSYC71-410: *Human Experimental Psychology*.

2004 Lecturer Griffith University, 2006PSY: *Cognition, Memory and Learning*

2000 – 2004 Lecturer University of Queensland, ED7007: *Educational Testing*, ED7016: *Authentic Assessment*, ED7024: *Assessing Test instruments*. EDU7025, *Educational Research Methods: Overview and specialisations*. EDUC7029: *Uses and Abuses of Tests: Accountability, Equity, and Validity*, ED8205: *Advanced Research Methods*.

July 1999 - 2000 Lecturer University of Queensland, EU878: *Research Design: Measuring and Interpreting Educational Outcomes and Effects*, EU811:, EU895: EU871: *Educational Inquiry*.

June 1994 - July 1999 Lecturer, Griffith University, PB13011: *Research Workshop*, PB12011: *Design and Analysis* PB11006: *Introduction to Research in the Behavioural Sciences*. PB12032: *Cognition, Memory and Learning*.

1993 - 1994 Sessional tutor, Griffith University, PB13011: *Research Workshop*, PB12011: and PB11006: *Introduction to Research in the Behavioural Sciences*.

1987 - 1993 Tutorial fellow, University of Queensland, PY103: *Introductory Statistics*, and PY260: *Cognitive Psychology*.

Supervision: Ten honours, and ten Graduate Diploma of Applied Psychology Students. Four Masters level students, Associate supervision of eight Ph.D. students. Seven Ph.D.'s completed.

Publications

1. Bahr, M. & Bahr, N. (in press) Technological Barriers to learning: Designing hybrid pedagogy to minimise cognitive load and maximise understanding. In Renshaw, P. & Ng. C. (2007) *Reforming Learning*, Springer/Kluwer Academics
2. Sobhanian, F, Boyle, G. J., Bahr, M.P. & Fallo, T. (2006), Psychological Status of Former Refugee Detainees from the Woomera Detention Centre now Living in the Australian Community, *Psychiatry, Psychology & Law*, 13(2), 151 - 159
3. Bahr, N.M, Christensen, C., & Bahr, M. (2005) The role of familiarity in the development of a profile for absolute pitch recognition, *Psychology of Music*, 31(1), 58-93

4. MacFarlane, M. Warburton, J. Van Gellecum, Y. and Bahr M.P. (in revision), Developing An Inclusive Measure Of Corporate Reputation: The UQ Reputation Survey, *Business and Society*.
5. Cuskelly, M., Pulman, L., Bahr, M. & Jobling, A. (in revision) Expressive And Receptive Vocabulary Development In Individuals With Down Syndrome Including An Equivalence Study Of The PPVT-R And PPVT-III, *International Journal of Disability Studies*
6. Bahr, N.M. & Bahr, M.P. (2004) Information Environments for Learning: Reducing Cognitive Load and Enhancing Knowledge Representation, *technical paper series Ipswich*.
7. Hayes, D.N.A., Harriman, S. & Bahr, M. (2003) Enhancing Learning through computer-based technologies?: *Lessons from Australian Classrooms*.
8. Choi, Serene Hyun-Jin and Nieminen, Timo A. and Bahr, Mark and Bahr, Nan (2002) Improving Behaviour Classification Consistency: A Technique From Biological Taxonomy. In *Australian Association for Research in Education Annual Conference 2002 (AARE2002)*, December, pages CHO02101, Brisbane, Australia.
9. Luke, A. Woods, A. Land, R. Bahr, M. & MacFarland, (2002) *Accountability: Inclusive Assessment, monitoring and reporting*. Indigenous Education Consultative Body, Brisbane: QLD.
10. Luke, A, Land, R, Elkins, J., Carrington, V., Dole, S., Van Kraayenoord, C. Moni, K., Kapitske, C., Pendergast, D., Bahr, M., Mayer, D., Stevens, L., McIntosh, A., & Chadbourne, R. (2002) *Beyond the Middle*. Department of Education, Science and Training, Canberra, ACT.
11. Pendergast, D. Kapitzke, C. Land, R. Luke, A. and Bahr, M. (2002) *Education Queensland, Virtual Schooling Service Pilot - Two year review*. Virtual Schooling Service, Brisbane, QLD.
12. Lingard, R., Martino, W., Mills, M., Bahr, M. (2002) *Addressing the Educational Needs of Boys*, Department of Education, Science and Training, Canberra, ACT.
13. Maxwell, G. Noonan, P. Bahr, M. and Hardy, I. (2002) , *Managing Better: Measuring the Institutional Health and Effectiveness in Vocational Education and Training*. Australian National Training Authority, NCVET: Adelaide.
14. Mayer, D., Mitchell, J, McDonald, D, Land, R., Luke, A., & Bahr, M. (2002) *Professional Standards for Teachers, pilot project*. Education Queensland: Brisbane.
15. Lingard, B., Ladwig, J.G., Mills, M., Bahr, M., Chant, D., Ailwood, J., Capeness, R., Christie, P., Gore, J., Hayes, D., & Luke, A. (2001) *School Reform Longitudinal Study: Final report*, May 2001: School of Education, University of Queensland: Brisbane.
16. Bahr, M. (2001) Brave New World of Technology, *Social Alternatives*, 20, 41- 46.
17. Bahr, N., Andrews, T. & Bahr M. (2001) Student diversity – can innovative curriculum design meet the challenge? *Scottish Journal of Adult and Continuing Education*, 7(1), 20-33.

18. Luke, A. Herschell, P. & Bahr M. (2000) *Sustainable Local Literacies: Using Technology to Support Adult Literacy Tutors and Volunteers in Isolated Sites*. Final report to the QAELLN Council.
19. Bahr, N. & Bahr M & Doherty, C. (2000) On-line Learning – Beware the Hunter Gatherers, *Education Views*. March, 6
20. Andrews, T. Bahr, N. & Bahr, M. (2000) *Learning for life-bridging the gap between learning and work*, Open Learning 2000 - 4th International Conference. Queensland, Australia.
21. Shum, D. Jamieson, E., Bahr, M. & Wallace, G. (1999) Implicit and Explicit memory in Children with Traumatic Brain Injury, *Journal Of Experimental and Clinical Neuropsychology*, 21(3), 149-158 (ISI impact factor 1.333)
22. Mutimer, K., Bahr, M. & Shum, D.H. (1999) The effect of retention interval and task load on prospective memory performance: Damn I forgot the milk again. The Abstracts of the 26th Annual Experimental Psychology Conference, *Australian Journal of Psychology*, 51, 37-37.

Book Chapter

23. Bahr, M.P. & Bahr, N.M. (2004) The impact of Cognitive Load and Knowledge Representation on children's use of information technology, *invited chapter* in Renshaw, P. & Chi Ng. (Eds) Working title *Current trends in Educational Psychology*.
24. Bahr, M.P. (2006) Assessing Efficacy in the middle years, *invited chapter* in Bahr, N. & Pendergast, D. (Eds). Working Title *Educational issues for the middle years*.

Other Professional Contributions

- 2004 Invited to be an affiliate member Applied Cognitive Neuroscience Research Centre (ACNRC), Griffith University.
- 2004 – The *New Basics Research Report* published under the Banner of Education Queensland. Substantive contributions to writing, design and conduct of the New Basics trial acknowledged by the Minister of Education on the 26th of October 2004.
- 2000 – 2004 Member of the Framework Advisory Group (FRAG) which directs the trial and evaluation of the New Basics Reform Trial in Queensland Schools. Responsible for the evaluation of the New Basics Trial.
- Nov 2002 - Conference presentation *Information Environments for Learning: Reducing Cognitive Load and Enhancing Knowledge Representation*. British Psychological Society (education section) Annual conference, London.
- July 2001 - Keynote presentation Distribution of Productive Pedagogies in the QSRLS sample. At the *New Pedagogies and School Reform: Challenging Research and Practice* Conference. Gold Coast.

June 2000 - Student Diversity – Can Innovative Curriculum Design Meet the Challenge? *Society For Research Into Higher Education Conference For Innovation And Creativity In Teaching And Learning* Conference Stirling, Scotland.

March 2000 - present. Member New Basic Framework Reference Group Education Queensland. Evaluation of the impact of Education Queensland's New Basics initiative.

Jan 2000 - March 2000 Consultant for Education Queensland, at the Strategic Policy Branch, and while there, advised Treasury and DETIR representatives on a number of issues.

1996 - 2004, Statistical consultant to staff and students from Griffith University from schools at both the Nathan and Logan Campuses, The Queensland University of Technology, and the University of Queensland.

Memberships:

Australian Consortium for Social and Political Research Incorporated.

American Educational Research Association.

Reviewer:

Australian Psychologist.

International Journal of Disability, Development and Education.

Queensland Journal of Educational Research.

Teacher Education.