

Postgraduate Research Activity

1997



UNIVERSITY OF TASMANIA

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Postgraduate Research Activity

1997

Architecture and Engineering

Architecture and Urban Design

Journal Article

Birrell, J, 'Burleigh Residence', *CHASA refereed designs 1995 and 1996* 65-68 (1997) [A1]

Birrell, J, 'Passive Solar Greenhouse', *CHASA refereed designs 1995 and 1996* 29-30 (1997) [A1]

Dorney, P, 'Then & Now', *Architectural Review Australia*, **61** (Spring) 81 (1997) [A3]

Civil and Mechanical Engineering

Conference Publication

Holloway, DS, Davis, MR, 'Seakeeping Response of a Family of Semi-Swath Hull Forms', *Fourth International Conference on Fast Sea Transportation*, Sydney, Australia, 43-49 (1997) [F1]

Izadnegahdar, R, Melerski, ES, 'Static analysis of framed structures founded on elastic media', *Mechanics of Structures and Materials*, Melbourne, Australia, 499-504 (1997) [F1]

Renilson, M*, **Anderson, V**, 'Deck Diving of Catamarans in Following Seas', *Fourth International Conference on Fast Sea Transportation*, Sydney, Australia, 463-469 (1997) [F1]

Roberts, JL, Walker, GJ, Davis, MR, 'Flow Distribution at Waterjet Intakes', *Fourth International Conference on Fast Sea Transportation*, Sydney, Australia, 669-675 (1997) [F1]

Roberts, TJ*, **Watson, NL**, Davis, MR, 'Evaluation of Sea Loads in High Speed Catamarans', *Fourth International Conference on Fast Sea Transportation*, Sydney, Australia, 311-316 (1997) [F1]

Walker, GJ, **Hughes, JD**, Kohler, I*, **Solomon, WJ**, 'The Influence of Wake-Wake Interactions

on Loss Fluctuations of a Downstream Axial Compressor Blade Row', *International Gas Turbine and Aeroengine Congress and Exhibition*, Orlando, Florida, USA, 1-12 (1997) [F1]

Walker, GJ, **Hughes, JD**, **Solomon, WJ**, Kohler, I*, 'Wake Mixing and Blade Clocking Effects in an Axial Compressor', *Thirteenth International Symposium on Air Breathing Machines*, Chattanooga, Tennessee, USA, 1397-1406 (1997) [F1]

Watson, NL, Davis, MR, Roberts, TJ*, 'Shipborne Measurement of Sea Conditions and Seakeeping Response of High Speed Ferries', *Fourth International Conference on Fast Sea Transportation*, Sydney, Australia, 713-718 (1997) [F1]

Holloway, DS, Davis, MR, 'BESTSEA 1.0: an Overview', *AME 97 Postgraduate Conference*, Melbourne, Australia, 6 (1997) [F2]

Roberts, JL, Walker, GJ, Davis, MR, 'Waterjet Propulsion Intake Flows', *AME 97 Postgraduate Conference*, Melbourne, Australia, 6 (1997) [F2]

Watson, NL, Davis, MR, Roberts, TJ*, 'Global Seakeeping Measurement of High Speed Ferries', *AME 97 Postgraduate Conference*, Melbourne, Australia, 6 (1997) [F2]

* *Not a member of this University.*

Electrical Engineering and Computer Science

Journal Article

- Ho, YS**, Langman, RA, 'Condition monitoring of induction motors', *Maintenance Journal*, **10** (3) 10-14 (1997) [A1]
- Ho, YS**, Langman, RA, 'Stator current frequency analysis for the condition monitoring of induction motors. Part 1: Fixed supply frequency', *Journal of Electrical and Electronics Engineering, Australia*, **17** (1) 43-56 (1997) [A1]
- Le-Tien, T**, Talhami, HE, Nguyen, DT, Martin, NM*, 'Application of the wavelet transform for the echo signal from a rotating object', *IEE Electronic Letters*, **33** (1) 88-89 (1997) [A1]
- Le-Tien, T**, Nguyen, DT, 'Performance of behaviour of scattering mechanisms in time-scale domain against random noise for centimeter radar', *IEE Electronic Letters*, **33** (22) 1900-1901 (1997) [A1]
- Le-Tien, T**, Talhami, HE, Nguyen, DT, 'Simple algorithm for wavelet maxima modulus extraction in time-scale representations', *IEE Electronic Letters*, **33** (5) 370-371 (1997) [A1]
- Le-Tien, T**, Talhami, HE, Nguyen, DT, Martin, N*, 'Target signature extraction based on the CWT in ultra-wideband radar', *IEE Electronic Letters*, **33** (1) 89-91 (1997) [A1]
- Le, T**, Negnevitsky, M, 'Expert system application for voltage and VAR control in power transmission and distribution systems', *IEEE Transactions on Power Delivery*, **12** (3) 1392-1397 (1997) [A1]
- Le, T**, Negnevitsky, M, Piekutowski, M*, 'Network equivalents and Expert system application for voltage and VAR control in large-scale power systems', *IEEE Transactions on Power Systems*, **12** (4) 1440-1445 (1997) [A1]
- Le, T**, Negnevitsky, M, Piekutowski, M*, 'Network equivalents and expert system application for voltage and VAR control in large-scale power systems', *IEEE Transactions on Power Systems* 1-6 (1997) [A1]
- Liew, AWE, Law, NF**, Nguyen, DT, 'A direct reconstruction method for the wavelet transform extreme representation', *IEE Proceedings-Vision, Image and Signal Processing*, **144** (4) 193-198 (1997) [A1]
- Liew, AWE, Law, NF**, Nguyen, DT, 'Multiple resolution image restoration', *IEE Proceedings-Vision, Image and Signal Processing*, **144** (4) 199-206 (1997) [A1]
- Sam, H, Innes, AG**, Langman, RA, 'Stator current frequency analysis for condition monitoring of induction motors. Part II: variable supply frequency', *Journal of Electrical and Electronics Engineering, Australia*, **17** (1) 57-70 (1997) [A1]
- Le, T**, Negnevitsky, M, 'Expert system application for voltage and VAR control in power transmission and distribution systems', *IEEE Power Engineering Review*, **17** (7) 77-78 (1997) [A3]

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- Negnevitsky, M, **Le, T**, 'An Expert system for clearing overloads in transmission systems', *Applications of Artificial Intelligence in Engineering*

XII, Computational Mechanics Publications, Southampton, Boston, R.A.Adey, G. Rzevski and R.Teti (ed), Boston, 571-591 (1997) [C1]

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Fei, M, Man, Z, Nguyen, DT, 'Fuzzy modelling and tracking control of nonlinear systems', *Int. Conf. on Modelling and Simulation Processings*, Hobart, Australia, 902-906 (1997) [F1]

Ha, QP, Negnevitsky, M, 'A continuous variable-structured controller for load-frequency control in interconnected power systems', *The Australasian University Power Engineering Conference*, Sydney, 627-632 (1997) [F1]

Ha, QP, Negnevitsky, M, Palis, F*, 'Cascade PI-controller with fuzzy tuning', *The sixth IEEE Int. Conf. on Fuzzy Systems*, Barcelona, Spain, 361-366 (1997) [F1]

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Ha, QP, Negnevitsky, M, 'Fuzzy tuning in electric power generation control', *The IEE 4th Int. Conf. on Advances in Power System Control, Operation and Management*, Hong Kong, China, 662-667 (1997) [F1]

Le-Tien, T, 'A comparison of wavelet functions for scattering extraction in centimeter wave radar', *The Second Workshop on Signal Processing Applications*, Brisbane, Queensland, 215-218 (1997) [F1]

Le-Tien, T, Nguyen, DT, 'A transformed image processing approach based on the CWT for non-dispersive scattering extraction', *IEEE Int Conf. on Speech and Image Technologies for Computing and Telecommunications, TENCON'97*, Brisbane, Queensland, 311-314 (1997) [F1]

Le-Tien, T, 'Neural network applied to narrow-band noise target signature for automatic target recognition', *The Second Workshop on Signal Processing Applications*, Brisbane, Queensland, 219-222 (1997) [F1]

Le-Tien, T, 'Some issues of Wavelet functions for instantaneous frequency extraction in speech signals', *IEEE Int. Conf. on Speech and Image Technologies for Computing and Telecommunications, TENCON'97*, Brisbane, Queensland, 31-34 (1997) [F1]

Le-Tien, T, Nguyen, DT, Martin, N*, 'The continuous wavelet transform applied to the geometrical theory diffraction based model for automatic target recognition in centimeter radar', *The Third Int. Conf. on Modelling and Simulation, SM'97*, Melbourne, 51-56 (1997) [F1]

Man, Z, Yu, X*, **Ha, QP**, 'A study of uncertainty bound for rigid robot control systems', *2nd Asian Control Conference*, Seoul, 867-870 (1997) [F1]

Man, Z, Yu, X*, **Ha, QP**, 'Adaptive control using fuzzy basis function expansion for SISO linearizable nonlinear systems', *2nd Asian Control Conference*, Seoul, 695-698 (1997) [F1]

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Engineering

Journal Article

Innes, TC, 'Vessels as surface stress raisers during drying of *Wood Science and Technology*, **31** (3) 171-179 (1997) [A1]

Postgraduate Research Activity

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Commerce and Law

Information Systems

Conference Publication

Doroshenko, E, 'A Model for Research Surveying in Software Methodologies', *Proceedings of the 8th Australasian Conference on Information Systems*, University of South Australia, Adelaide, SA, 77-90 (1997) [F1]

Lawrence, KL, 'Factors Inhibiting the Utilisation of Electronic Commerce Facilities in Tasmanian Small-to Medium Sized Enterprises', *Proceedings of the 8th Australasian Conference on Information Systems*, University of South Australia, Adelaide, SA, 587-597 (1997) [F1]

Ridley, G, Goulding, P*, Lowry, GR, Pervan, G*, 'Australian is Publications: A Profile of Institutions, Authors and Collaboration, 1990-1996', *Proceedings of the 8th Australasian Conference on Information Systems*, University of South Australia, Adelaide, SA, 273-287 (1997) [F1]

Young, J, Keen, CD, 'The Emerging Importance of Boader Skills and Personal Attributes in the Recruitment of Australian IS Professionals', *Proceedings of the 8th Australasian Conference on Information Systems*, University of South Australia, Adelaide, SA, 682-692 (1997) [F1]

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Lawrence, KL, Keen, CD, 'A Survey of Factors Inhibiting the Adoption of Electronic Commerce by Small and Medium Enterprises in Tasmania', *A Survey of Factors Inhibiting the Adoption of Electronic Commerce by Small and Medium Enterprises in Tasmania*, UniPrint, University of Tasmania, 1, 1 (1997) [O5]

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Law

Journal Article

Chalmers, DRC, **Nicol, D**, 'Current Regulation of Human Gene Therapy in Australia', *Today's Life Science*, **9** (1) 20-23 (1997) [A1]

Cordonnery, L, 'Area Protection and Management in Antarctica: A Proposed Strategy for the Implementation of Annex V of the Madrid Protocol Based on Information Management', *Environmental and Planning Law Journal*, **14** (1) 38-51 (1997) [A1]

Marsden, S, 'Applying EIA to Legislative Proposals: Practical Solutions to Advance ESC in Commonwealth and State Policy-Making', *Environmental and Planning Law Journal*, **14** (3) 159-173 (1997) [A1]

McGivern, B, 'R v Collins and Others, ex parte S', *Journal of Law and Medicine*, **5** (2) 118 (1997) [A4]

McGivern, B, 'Re MB', *Journal of Law and Medicine*, **5** (2) 119 (1997) [A4]

Sainsbury, M, 'Copyright Protection and Computer Software - The Decision in Powerflex Services Ltd v Data Access Corporation', *Journal of Law and Information Science*, **8** (1) 156-164 (1997) [A4]

Management

Journal Article

Hanson, DJ, **Steen, JT**, Liesch, PW, 'Reluctance to Innovate: A Case Study of the Titanium Dioxide Industry', *Prometheus*, **15** (3) 345-356 (1997) [A1]

McGaughey, SL, Iverson, RD*, De Cieri, H*, 'A multi-method analysis of work-related preferences in three nations: implications for inter- and intra-national human resource management', *The International Journal of Human Resource Management*, **8** (1) 1-17 (1997) [A1]

Seen, AJ, Liesch, PW, 'Wage Determination at the Enterprise Level in a Modern Enterprise Bargaining Framework', *Asia Pacific Journal of Human Resources*, **35** (3) 45-61 (1997) [A1]

Zhu, CJ, 'Human Resource Development in China during the Transition to a New Economic System', *Asia Pacific Journal of Human Resources*, **35** (3) 19-44 (1997) [A1]

As-Saber, SN, 'International joint ventures in East Asia', *Asia Pacific Journal of Human Resources*, **35** (2) 110-112 (1997) [A4]

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De Cieri, H*, **McGaughey, SL**, Dowling, PJ, 'A Conceptual Framework of Organizational Factors and Processes: An Application to International Human Resource Management', *New Perspectives on International Industrial / Organizational Psychology*, The New Lexington Press, Earley PC, Erez M (ed), San Francisco, 493-523 (1997) [C1]

Langfield-Smith, K*, **McGaughey, SL**, 'Dulux Australia', *The Best Practice Experience: Heavy Manufacturing, Mining and Chemical Industries*, Pitman Publishing, Caruso E (ed), Melbourne, 113-139 (1997) [C1]

McGaughey, SL, Welch, D*, Welch, L*, 'Managerial Influences and SME Internationalisation', *The Nature of the International Firm*, Munksgaard International Publishers Ltd, Bjorkman I and Forsgren M (ed), Copenhagen, 165-188 (1997) [C1]

McGaughey, SL, 'Qantas Flight Catering', *The Best Practice Experience: Service and Food Industries*, Pitman Publishing, Caruso E (ed), Melbourne, 285-322 (1997) [C1]

Smith, A, 'Training and Development', *Human Resource Management in Australia*, Addison Wesley Longman, Kramer R, McGraw P and Schuler R (ed), Melbourne, 465-501 (1997) [C1]

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As-Saber, SN, Liesch, PW, Dowling, PJ, 'Human Resource Practices in International Joint Ventures: Preliminary Evidence from Australian-Indian Joint Ventures', *Asia Pacific Area Conference Proceedings*, Hawaii, 121-126 (1997) [F1]

As-Saber, SN, Dowling, PJ, Liesch, PW, 'The Role of Human Resource Management in International Joint Ventures: A Study of Australian-Indian Joint Ventures', *Proceedings of the Sixth Annual World Business Congress*, Chonju City, 21-29 (1997) [F1]

Seen, AJ, Baker, M*, Liesch, PW, 'What's in a name? The Importance of Constructs and Labels in International Business Research for the Client Researcher', *Asia Pacific Area Conference Proceedings*, Hawaii, 303-308 (1997) [F1]

McGaughey, SL, 'The Rise of International Standards: Friend or Foe to the Smaller Enterprise?', *The 4th International Product Development Management Conference*, Stockholm, 583-597 (1997) [F2]

Hanson, DJ, Liesch, PW, **Steen, JT**, 'Hot Spot in a Cold Place: Tasmanian Aquaculture', *Conference Proceedings ANZAM '97*, Melbourne, 143-143 (1997) [F3]

Steen, JT, Hanson, DJ, Liesch, PW, 'Collaborative Research and Development: New Insights from Recent Models of the Innovation Process', *Conference Proceedings ANZAM '97*, Melbourne, 186 (1997) [F3]

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Steen, JT, Hanson, DJ, Liesch, PW, 'Collaborative Research and Development: New Insights from Recent Models of the Innovation Process', *Department of Management Working Paper Series*, Department of Management, Launceston, 3, 97-08 (1997) [O5]

* *Not a member of this University.*

Postgraduate Research Activity

1997

Education

Early Childhood and Primary Education

Conference Publication

Moritz, JB, **Lannen, B**, Watson, JM, 'A CD-Rom for professional development in chance & data', *Mathematics: Imagine the possibilities*, Melbourne, 335-343 (1997) [F2]

Secondary and Post-Compulsory Education

Journal Article

Churchill, R, Williamson, J, Grady, NB, 'Educational Change and the New Realities of Teachers' Work Lives', *Asia-Pacific Journal of Teacher Education*, **25** (2) 141-158 (1997) [A1]

Conference Publication

Fenimore, MA, 'Silent Students and Cultural Cages: A Canadian Perspective of Intercultural Communication in Science Classrooms and other Learning Environments', *Science, Mathematics & Technology Education and National Development*, Hanoi, 292-297 (1997) [F2]

Le, Q, Grady, NB, 'Intercultural Sensitivity in Internet-Based Teaching and Learning', *Science, Mathematics & Technology Education and National Development*, Hanoi, 383-387 (1997) [F2]

Postgraduate Research Activity

1997

Health Science

Anatomy and Physiology

Journal Article

Holloway, AF, Stennard, FA, Dziegielewska, KM, Weller, WL, West, AK, 'Localisation and expression of metallothionein immunoreactivity in the developing sheep brain', *International Journal of Developmental Neuroscience*, **15** (2) 195-203 (1997) [A1]

Mazzone, SB, Hinrichsen, CFL, Geraghty, DP, 'Substance P receptors in brain stem respiratory centres of the rat: regulation of NK1 receptors by hypoxia', *The Journal of Pharmacology and Experimental Therapies*, **282** (3) 1547-1556 (1997) [A1]

Skabo, SJ, **Holloway, AF**, West, AK, Chuah, MI, 'Metallothioneins 1 and 2 are expressed in the olfactory mucosa of mice in untreated animals and during the regeneration of the epithelial layer', *Biochemical and Biophysical Research Communications*, **232** 136-142 (1997) [A1]

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Kirkcaldie, MTK, Pridmore, S, Kitchener, PD, 'Examining the physiological basis of clinical applications of transcranial magnetic stimulation', *Proceedings of the Australian Neuroscience Society*, Newcastle, 181 (1997) [F3]

Kitchener, PD, Hutton, EJ, Levaque, LH, **Kirkcaldie, MTK**, Dziegielewska, KM, Saunders, NR, 'Partial correlation between the numbers of fetuin-immunoreactive neurons and the levels of fetuin in plasma in the developing rat', *Proceedings of the Australian Neuroscience Society*, Newcastle, 105 (1997) [F3]

Mazzone, SB, Hinrichsen, CFL, Geraghty, DP, 'Region-specific regulation of NK1 receptors in the rat brain stem by hypoxia', *Tachykinins in Health and Disease*, Cairns, 12 (1997) [F3]

Mazzone, SB, Hinrichsen, CFL, Geraghty, DP, 'Respiratory response to microinjection of substance P into the lateral ventricle and commissural NTS of the rat: Effect of hypoxia', *Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists*, Canberra, 21 (1997) [F3]

Biochemistry

Journal Article

Hall, JL, Ye, JM*, Clark, MG, Colquhoun, EQ, 'Sympathetic stimulation elicits increased or decreased oxygen uptake in the perfused rat hindlimb via α -adrenoceptors', *American Journal of Physiology*, **272** (Heart and Circulatory Physiology 41) H2146-H2153 (1997) [A1]

Holloway, AF, Stennard, FA, West, AK, 'Human metallothionein gene *MT1L* mRNA is present in several human tissues but is unlikely to produce a metallothionein protein', *FEBS Letters*, **404** 41-44 (1997) [A1]

Holloway, AF, Stennard, FA, Dziegielewska, KM, Weller, WL, West, AK, 'Localisation and expression of metallothionein immunoreactivity in the developing sheep brain', *International Journal of Developmental Neuroscience*, **15** (2) 195-203 (1997) [A1]

Newman, JMB, Steen, JT, Clark, MG, 'Vessels supplying septa and tendons as functional shunts in perfused rat hindlimb', *Microvascular Research*, **54** (1) 49-57 (1997) [A1]

Rattigan, S, Appleby, GJ, Miller, KA, **Steen, JT**, Dora, KA, Colquhoun, EQ, Clark, MG, 'Serotonin inhibition of 1-methylxanthine metabolism parallels its vasoconstrictor activity and inhibition of oxygen uptake in perfused rat hindlimb', *Acta Physiologica Scandinavica*, **161** (1) 161-169 (1997) [A1]

Skabo, SJ, **Holloway, AF**, West, AK, Chuah, MI, 'Metallothioneins 1 and 2 are expressed in the olfactory mucosa of mice in untreated animals and during the regeneration of the epithelial layer', *Biochemistry and Biophysical Research Communications*, **232** 136-142 (1997) [A1]

Tong, CYA, Rattigan, S, Dora, KA*, Clark, MG, 'Vasoconstrictor-mediated increase in muscle resting thermogenesis is inhibited by membrane-stabilizing agents', *Canadian Journal of Physiology and Pharmacology*, **75** 763-771 (1997) [A1]

Chapter in Book

Clark, MG, Rattigan, S, Dora, KA, **Newman, JMB, Steen, JT**, Miller, KA, **Vincent, MA**, 'Vascular and metabolic regulation of muscle', *Physiology, Stress and Malnutrition*, Lippincott-Raven, Kinney, JM & Tucker, HN (ed), Philadelphia, 325-346 (1997) [C1]

Conference Publication

Clark, MG, **Tong, CYA**, 'Thermogenic mechanisms of resting muscle', *Proceedings of the Australasian Society for the Study of Obesity*, Canberra, 15 (1997) [F3]

Newman, JMB, Clark, MG, Rattigan, S, Appleby, GJ, **Vincent, MA, Youd, JM, Tong, CYA**, 'Effect of Muscle Contraction on Metabolism of 1-Methylxanthine and L-Arginine in the Constant-Flow Perfused Rat Hindlimb', *10th International Conference on the Biochemistry of Exercise*, Sydney, 76 (1997) [F3]

Tighe, CM, Woodward, DR, Ball, PJ, 'The association between fat intake and self-efficacy depends on the value placed on health', *Proceedings of the Nutrition Society of Australia Volume 21*, Brisbane, 76 (1997) [F3]

Youd, JM, Rattigan, S, **Vincent, MA**, Clark, MG, 'Sciatic Nerve Severance Produces Haemodynamic Changes and Insulin Resistance in Muscle', *Diabetologia*, Helsinki, A257 (1997) [F3]

Miller, JM, West, AK, 'Not proper mammals' - Metallothioneins from marsupials', *MT-97*, Kansas City, USA, 20-21 (1997) [F4]

West, AK, **Holloway, AF**, 'Metallothionein expression in the developing sheep brain', *Proceedings of International Workshop on Metallothioneins*, Geel, Belgium, 35 (1997) [F4]

Thesis Accepted for Higher Degree

Holloway, AF, 'Structure and expression of mammalian metallothioneins' (1997) [M3]

Steen, JT, 'Vascular control of resting metabolism in muscle' (1997) [M3]

* *Not a member of this University.*

Biomedical Science

Journal Article

Mazzone, SB, Hinrichsen, CFL, Geraghty, DP, 'Substance P receptors in brain stem respiratory centres of the rat: regulation of NK1 receptors by hypoxia', *Journal of Pharmacology and Experimental Therapeutics*, **282** (3) 1547-1556 (1997) [A1]

Griffiths, CD, Geraghty, DP, **Eldershaw, TPD**, Colquhoun, EQ, 'Capsaicin pretreatment differentially regulates the responses of vanilloid receptor subtypes (VN1/VN2) in rat muscle', *Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists*, Canberra, ACT, 46 (1997) [F4]

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Kus, L*, **Mazzone, SB**, Paxinos, G*, Geraghty, DP, 'Localisation of tachykinin NK1 receptors in the human primary visual cortex using quantitative autoradiography', *Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists*, Canberra, ACT, 89 (1997) [F4]

Jakes, KA, Goldsmid, JM, 'The morphology and morphometrics of trypanosomes from bandicoots and platypus in Tasmania', *10th International Congress of Protozoology*, Sydney, 111 (1997) [F3]

Mazzone, SB, Hinrichsen, CFL, Geraghty, DP, 'Respiratory response to microinjection of substance P into the lateral ventricle and commissural NTS of the rat: effect of hypoxia', *Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists*, Canberra, ACT, 21 (1997) [F4]

Jakes, KA, Goldsmid, JM, 'The morphology of trypanosomes from bandicoots and platypus in Tasmania', *Wildlife Diseases Association*, Flinders Island, Australia, 22 (1997) [F3]

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Mazzone, SB, Hinrichsen, CFL, Geraghty, DP, 'Region-specific regulation of NK1 receptors in the rat brain stem by hypoxia', *Tachykinins in Health and Disease*, Cairns, Australia, 12 (1997) [F3]

Jakes, KA, Goldsmid, JM, 'The morphology of trypanosomes from bandicoots and platypus in Tasmania', *Prize for Best Student Presentation*, Wildlife Diseases Association, Australia (1997) [O6]

Mazzone, SB, Hinrichsen, CFL, Geraghty, DP, 'Tachykinin NK1 receptors in the rat brain stem respiratory centres are dynamically regulated by hypoxia', *11th National SIDS Conference*, Melbourne, 121 (1997) [F3]

* Not a member of this University.

Clinical Sciences

Journal Article

Kirkcaldie, MTK, Pridmore, S, Reid, P*, 'Bridging the Skull: Electroconvulsive Therapy (ECT) and Repetitive Transcranial Magnetic Stimulation (rTMS) in Psychiatry', *Convulsive Therapy*, **131** (2) 83-91 (1997) [A1]

Kirkcaldie, MTK, Pridmore, S, Pascual-Leone, A*, 'Transcranial magnetic stimulation (TMS) as a therapy in for depression and other disorders', *Australian and New Zealand Journal of Psychiatry*, **31** 264-272 (1997) [A1]

Li, C, Pluta, WK, Kilpatrick, D, 'Techical Note. Field programmable gate array in a fast 256-channel data aquisition system', *Australasian Physical & Engineering Science in Medicine*, **20** (1) 47-52 (1997) [A1]

Conference Publication

Li, C, Li, DS, Kilpatrick, D, Johnston, PR, 'A computer model of ST depression in transmural ischaemia', *45th Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand, 10-13 August*, Hobart, Tasmania, 229 (1997) [F3]

Li, C, Li, DS, Kilpatrick, D, Johnston, PR, 'An explanation for ST depression in subendocardial ischaemia', *45th Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand, 10-13 August*, Hobart, Tasmania, 230 (1997) [F3]

Li, DS, Yong, AC, Kilpatrick, D, 'Spatial myocardial blood flow distributions in the ovine heart in pacing-induced tachycardia, subendocardial ischaemia and transmural ischaemia', *45th Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand, 10-13 August*, Hobart, Tasmania, 317 (1997) [F3]

Vang, C, Dunbabin, DW, 'CT Scan versus the Siriraj Stroke Score in distinguishing intracerebral haemorrhage from cerebral infarction', *1997 Asia Pacific Consensus Forum on Stroke Management*, Melbourne, Australia (1997) [F3]

Vang, C, Dunbabin, DW, 'Stroke: a critical issue for Laos', *1997 Asia Pacific Consensus Forum on Stroke Management*, Melbourne, Australia (1997) [F3]

Wang, LX, **Li, C**, Yong, AC, Kilpatrick, D, 'Determination of mean ventricular fibrillation intervals as an index of ventricular refractoriness: Fast Fourier Transform Analysis versus time averaging technique', *45th Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand*, Hobart, Tasmania, 344 (1997) [F3]

Wang, LX, **Li, DS**, Yong, AC, Kilpatrick, D, 'Homogenous decrease in ventricular refractory periods during acute subendocardial ischaemia: the reason for the low arrhythmia incidence in this entity?', *45th Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand*, Hobart, Tasmania, 345 (1997) [F3]

Wang, LX, **Li, C**, Yong, AC, Kilpatrick, D, 'The effect of acute myocardial ischaemia on ventricular refractoriness and its dispersion in sheep', *45th Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand*, Hobart, Tasmania, 119 (1997) [F3]

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Li, DS, 'Epicardial and endocardial ST potential mapping in ischaemia' (1997) [M3]

* Not a member of this University.

Menzies Centre

Journal Article

Beard, TC, **Blizzard, CL**, O'Brien, DJ*, Dwyer, T, 'Association between blood pressure and dietary factors in the Dietary and Nutritional Survey of British Adults', *Archives of Internal Medicine*, **157** 234-238 (1997) [A1]

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Postgraduate Research Activity

1997

Humanities and Social Sciences

English and European Languages and Literatures

Journal Article

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Caney, D, 'Reading Intertextuality: Patrick White and Sidney Nolan' (1997) [M3]

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Sociology and Social Work

Journal Article

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Agricultural Science

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Metcalf, DA, 'White Rot', *Progress on Biocontrol of Onion White Rot*, Australian Onion Industry Assoc Inc, Frankston Victoria, 14, Nov 97 (1997) [O2]

Lisson, SN, Mendham, NJ, 'Coal Valley Landcare', *A manual for primary producers and others in the Coal Valley, Tasmania*, Coal Valley Landcare Group, Hobart, Tasmania, 1, September 1997 (1997) [O5]

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Applied Science

Journal Article

Alexander, PW, **Dimitrakopoulos, T**, Hibbert, DB*, 'A photo-cured coated-wire calcium ion selective electrode for use in flow injection potentiometry', *Talanta*, **44** 1397-1405 (1997) [A1]

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Alexander, PW, **Dimitrakopoulos, T**, Hibbert, DB*, 'Photo-Cured Ammonium and Hydrogen Ion Selective Coated-Wire Electrodes Used Simultaneously in a Portable Battery-Powered Flow Injection Analyzer', *Electroanalysis*, **9** (17) 1331-1336 (1997) [A1]

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Beach, FG, Alexander, PW, Reedy, BJ, 'Cu^(II) and Fe^(III) analysis Using A Novel Field-Portable Sequential Flow Injection Potentiometric Detector', *Proceedings of the RACI 14th Australian Symposium on Analytical Chemistry*, Adelaide (Australia), 79-82 (1997) [F1]

Dimitrakopoulos, LT, Alexander, PW, 'A Portable Gas Monitor For Flow Analysis In The Gas Phase Using An Array Of Six Semiconducting Sensors', *Proceedings of the RACI 14th Australian Symposium on Analytical Chemistry*, Adelaide (Australia), 52-55 (1997) [F1]

Eriksen, RS, Alexander, PW, Mackey, D*, De Marco, R*, 'Continuous Flow Methods for Measuring the Response of a Copper Ion Selective Electrode to Total and Free Copper in Seawater', *Proceedings of the RACI 14th Australian Symposium on Analytical Chemistry*, Adelaide (Australia), 228-232 (1997) [F1]

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Aquaculture

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Clark, A, Nowak, BF, Handlinger, J*, Munday, BL, **Percival, SB**, 'Clubbing and necrosis gill (CNG) syndrome in sea-caged Atlantic salmon, *Salmo salar L.*, in Tasmania: an initial report', *Journal of Fish Diseases*, **20** 59-68 (1997) [A1]

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Munks, SA, Green, B*, 'Milk consumption and growth in a marsupial arboreal folivore, the common ringtail possum, *Pseudocheirus peregrinus*', *Physiological Zoology*, **70** 691-700 (1997) [A1]

Rose, RW, **MacFadyen, AS**, 'The role of prostaglandin F₂alpha and oxytocin in the reproductive behaviour of a marsupial, *Bettongia gaimardi*', *Hormones and Behaviour*, **31** 120-125 (1997) [A1]

Swadling, KM, Bayly, IAE*, 'Different zooplankton communities in confluent waters: comparisons between three marine bays in Victoria, Australia', *Proceedings of the Royal Society of Victoria*, **109** 113-118 (1997) [A1]

Swadling, KM, Gibson, JAE, Ritz, DA, Nicols, PD, Hughes, DE*, 'Grazing of phytoplankton by coastal Antarctic copepods studied using ¹⁴C-methylene as a radiotracer', *Marine Biology*, **128** 39-48 (1997) [A1]

Swadling, KM, Gibson, JAE, Ritz, DA, Nichols, PD, 'Horizontal patchiness of sympagic organisms in the Antarctic fast ice', *Antarctic Science*, **9** (4) 399-406 (1997) [A1]

Waters, JM, White, RWG, 'Molecular phylogeny and biogeography of the Tasmanian and New Zealand mudfishes (Salmoniformes: Galaxiidae)', *Australian Journal of Zoology*, **47** 39-48 (1997) [A1]

Wolf, BM, White, RWG, 'Movements and habitat use of the queen scallop, *Equichlamys bifrons*, in the D'Entrecasteaux Channel and Huon River Estuary, Tasmania', *Journal of Shellfish Research*, **16** 533-539 (1997) [A1]

Conference Publication

Elvey, WF, Richardson, AMM, Barmuta, LA, 'Interactions between the introduced yabby, *Cherax destructor*, and the endemic crayfish, *Astacopsis franklinii*, in Tasmanian streams', *Freshwater Crayfish 11*, Thunder Bay, Ontario, 349-363 (1997) [F1]

Hindell, MA, **Slip, DJ**, 'The importance of being fat: maternal expenditure in the southern elephant seal *Mirounga leonina*', *Marine Mammal Research in the Southern Hemisphere. Volume 1: Status, Ecology and Medicineemisphere*, Sydney, 72-77 (1997) [F1]

Lake, SE, 'Analysis of the diet of New Zealand Fur Seals *Arctocephalus forsteri* in Tasmania', *Marine Mammal Research in the Southern Hemisphere. Volume 1: Status, Ecology and Medicine*, Sydney, 125-129 (1997) [F1]

Richardson, AMM, **Doran, NE**, Eberhard, S*, Swain, R, 'Bioconservation and Tasmanian cave fauna', *Proceedings of the Eleventh Australasian Conference on Cave and Karst Management*, Bronte Park, 17-24 (1997) [F1]

Slip, DJ, 'Diving and foraging behaviour of juvenile southern elephant seals from Heard Island', *Marine Mammal Research in the Southern Hemisphere. Volume 1: Status, Ecology and Medicine*, Sydney, 114-124 (1997) [F1]

Moverley, JH, Ritz, DA, 'Meiobenthic community structure around the Sandy Bay sewage outfall', *Symposium on the State of the Derwent*, Hobart, 98-110 (1997) [F2]

Edwards, A, Jones, SM, 'The annual cycle of plasma testosterone, oestradiol and progesterone concentrations in males of a large, viviparous skink, *Tiliqua nigrolutea*', *Australian & New Zealand Society for Comparative Physiology & Biochemistry, 14th Annual Meeting*, University of Wollongong, 8 (1997) [F3]

Wapstra, E, Swain, R, 'Factors influencing growth rate in the spotted skink, *Niveoscincus ocellatus*', *Abstracts of the Third World Congress of Herpetology*, Prague, 223 (1997) [F3]

Thesis Accepted for Higher Degree

Bell, CM, 'Growth of the southern elephant seal *Mirounga leonina* (Linnaeus 1758) at Macquarie Island' (1997) [M1]

Lake, SE, 'Aspects of the ecology of Weddell seals at the Vestfold Hills, Prydz Bay, East Antarctica' (1997) [M1]

Hull, CL, 'The comparative foraging ecology of royal *Eudyptes schlegeli* and rockhopper *E. chryso-come* penguins' (1997) [M3]

Kirkwood, RJ, 'Emperor penguin *Aptenodytes forsterii* foraging ecology' (1997) [M3]

Slip, DJ, 'Foraging ecology of elephant seals from Heard Island' (1997) [M3]

* *Not a member of this University.*

Postgraduate Research Activity

1997

Visual and Performing Arts

Tasmanian School of Art Hobart

Journal Article

Colless, EC, **Spinks, J**, 'Hotishi's Angels (on Sailor Moon)', *World Art* (12) 20-23 (1997) [A2]

Ruffels, TD, 'From the Leaf Series', *Leonardo*, 30 (5) 396-7 (1997) [A2]

Creative Work

Arnold, R, **Morrison, A**, **Walch, M**, **Ruffels, TD**, **Lendis, AJ**, *Excursive Site*, Cradle Mountain Visitors Centre and Plimsoll Gallery, Hobart, 24 (1997) [L10]

Ball, JMS, *Primavera*, Museum of Contemporary Art, Sydney, 20 (1997) [L10]

Ky, M, *A Mingling of Cultures*, Australian National Gallery, Canberra, 4 (1997) [L10]

Parr, G, Brassington, P, Milojevic, MA, Scott, MD, Hart, W, **Ruffels, TD**, *Nought plus One*, CAST and Plimsoll Gallery, University of Tasmania, Hobart, 4 (1997) [L10]

Ruffels, TD, *Primavera*, Museum of Contemporary Art, Sydney, 20 (1997) [L10]

Schlitz, M, *Intervention 4*, Tasmanian Museum and Art Gallery, Hobart, Broadsheet (1997) [L10]

Vella, JM, *12th Survey Exhibition*, Access Gallery of Contemporary Art, Sydney, 1 (1997) [L10]

Ky, M, *Roseau d'Inde*, National Gallery of Australia and Artbank, Canberra and Sydney (1997) [L11]

Ky, M, *Calligraphy*, Queensland Art Gallery, Brisbane (1997) [L12]

Ky, M, *Narcissus Marinus Exoticus II*, National Gallery of Australia et al, Canberra, Broadsheet (1997) [L12]

Ky, M, *Narcissus Marinus Exoticus*, Artbank, Sydney (1997) [L12]

Ky, M, *Pink and Blue Fritillaria Maxim & Calligraphy*, Artbank, Sydney (1997) [L12]

Ky, M, *Between Presence and Absence*, Beaver Galleries, Canberra, Broadsheet (1997) [L9]

Morrison, A, *Intermediate Ground*, Tasmanian Museum and Art Gallery, Hobart, Broadsheet (1997) [L9]

Schlitz, M, *Boat Signs*, Grahame Galleries and Editions Milton, Brisbane, Broadsheet (1997) [L9]

Vella, JM, *Object Poverty*, Access Contemporary Art Gallery, Sydney, 1 (1997) [L9]

Thesis Accepted for Higher Degree

Greenwood, R, 'Photographic and digital landscapes as metaphorical representations' (1997) [M1]

Kunda, M, 'A Radical Act of Remembering' (1997) [M1]

Wood, KG, 'Home, Sweet Home. Women and Domesticity in Rural Australia, 1930-1970' (1997) [M1]

Claiden, RS, 'The Exploration of the Sensory Psychological and Temporal Boundaries of the Body Through Costume' (1997) [M2]

	Total		PhD/Masters		Percentage	
	Items	Weighted	Items	Weighted	Items	Weighted
Architecture and Engineering						
Architecture and Urban Design	18	16.13	3	3.00	16	18
Civil and Mechanical Engineering	28	23.08	11	4.67	39	20
Electrical Engineering and Computer Science	46	38.33	24	12.17	52	31
Engineering	5	3.83	1	1.00	20	26
Sub Total	97	81.38	39	20.83	40	25
Arts						
Asian Languages and Studies	3	2.00				
History and Classics	4	4.00	1	1.00	25	25
Sub Total	7	6.00	1	1.00	14	16
Commerce and Law						
Accounting and Finance	33	29.17				
Centre for Regional Economic Analysis	17	14.50				
Economics	38	33.08				
Information Systems	11	10.50	5	3.25	45	30
Law	125	119.17	6	5.50	4	4
Management	41	34	16	9.00	39	26
Sub Total	265	240.42	27	17.75	10	7
Education						
Early Childhood and Primary Education	60	55.58	1	0.33	1	0
Secondary and Post-Compulsory Education	28	27.75	3	1.33	10	4
Sub Total	88	83.33	4	1.67	4	1
Health Science						
Anatomy and Physiology	32	24.21	4	0.50	12	2
Biochemistry	29	24.59	13	8.48	44	34
Biomedical Science	12	6.83	9	2.58	75	37
Clinical Sciences	93	77.07	12	5.08	12	6
General Practice	18	15.75				
Menzies Centre	103	94.54	7	2.51	6	2
Nursing	11	9.83				
Pathology	48	40.54	17	5.95	35	14
Pharmacy	14	14.40	4	2.58	28	17
Surgery	3	1.31				
Womens and Children's Health	9	9.33				
Sub Total	372	318.41	66	27.69	17	8
Humanities and Social Sciences						
Asian Languages and Studies	7	7.00				
English and European Languages and Lit's	72	67.50	16	16.00	22	23
Government	54	52.40	4	4.00	7	7
History and Classics	36	34.50	6	6.00	16	17
Philosophy	38	37.07	8	6.57	21	17
Sociology and Social Work	13	10.33	1	1.00	7	9
Sub Total	220	208.80	35	33.57	15	16
Science and Engineering						
Agricultural Science	71	58.66	40	19.07	56	32
Applied Science	29	20.98	8	2.50	27	11
Aquaculture	59	45.59	25	15.93	42	34
Aquahealth		0.33				
Central Science Laboratory	7	3.98	1		14	
Chemistry	89	72.66	44	17.53	49	24
Computer Science		0.33				
Computing	16	16.50		0.50		3
CRC-Antarctic and Southern Ocean Environm	1	79.00	1	1.82	100	2
CRC-Sustainable Production Forestry	1	2.38	1	1.00	100	41
Earth Sciences	34	20.96	12	6.20	35	29
Geography and Environmental Studies	136	117.51	38	26.07	27	22
IASOS	123	28.26	32	11.79	26	41
Mathematics	23	19.73	3	2.00	13	10
Physics	48	27.52	13	2.60	27	9
Plant Science	60	45.73	34	15.25	56	33
Psychology	35	34.62	21	15.42	60	44
Zoology	60	49.88	33	18.70	55	37
Sub Total	792	644.64	306	156.38	38	24
Visual and Performing Arts						
Centre for Performing Arts	2	2.00				
Conservatorium of Music	5	5.00				
Tasmanian School of Art - Hobart	75	73.90	21	18.97	28	25
Tasmanian School of Art - Launceston	35	35.00				
Sub Total	117	115.90	21	18.97	17	16
TOTAL	1958	1698.88	499	277.85	25	16