

# Research Publications 2006

Research Branch

## Faculty of Engineering, Computer and Mathematical Sciences

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### *EC&MS Faculty Administration*

#### Journal Articles

- Dowd PA & Pardo-Iguzquiza E 2006. Core-log integration: optimal geostatistical signal reconstruction from secondary information. Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science. 115 (2): 59-70. <http://digital.library.adelaide.edu.au/dspace/handle/2440/33596>
- Fowell RJ; Xu C & Dowd PA 2006. An update on the fracture toughness testing methods related to the cracked Chevron-notched Brazilian Disk (CCNBD) specimen. Pure and Applied Geophysics. 163: 1047-1057. <http://digital.library.adelaide.edu.au/dspace/handle/2440/36296>
- Xu C; Dowd PA; Mardia KV & Fowell RJ 2006. A flexible true plurigaussian code for spatial facies simulations. Computers & Geosciences. 32 (10): 1629-1645. <http://digital.library.adelaide.edu.au/dspace/handle/2440/36307>
- Xu C; Dowd PA; Mardia KV & Fowell RJ 2006. A connectivity index for discrete fracture networks. Mathematical Geology. 38 (5): 611-634. <http://digital.library.adelaide.edu.au/dspace/handle/2440/36295>

### *Education Centre for Innovation and Commercialisation*

#### Journal Articles

- Kropp F; Lindsay NJ & Shoham A 2006. Entrepreneurial, market, and learning orientations and international entrepreneurial business venture performance in South African firms. International Marketing Review. 23 (5): 504-523. <http://digital.library.adelaide.edu.au/dspace/handle/2440/23004>

### *Centre for Automotive Safety Research (CASR)*

#### Journal Articles

- Baldock MRJ; Mathias JL; McLean AJ & Berndt A 2006. Self-regulation of driving and its relationship to driving ability among older adults. Accident Analysis and Prevention. 38: 1038-1045. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22687>
- Baldock MRJ; Mathias JL; McLean AJ & Berndt A 2006. Self-regulation of driving and older drivers' functional abilities. Clinical Gerontologist: the journal of aging and mental health. 30 (1): 53-70. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35294>
- Hutchinson TP 2006. Beyond interaction: theories. Quality & Quantity. 40 (5): 869-878. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22689>
- Hutchinson TP 2006. Ordered categories: Graphs showing empirical relations between one proportion and another, and comparison with theories. American Journal of Mathematical and Management Sciences. 25 (3-4): 365-399. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22690>
- Lawrence DW; Guard A; Meier AJ & Laflamme L 2006. Developing the injury prevention and safety promotion thesaurus, international English edition: An interdisciplinary tool for indexing and searching for research literature. Progress report 1. Safety Science. 44 (4): 279-296. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22684>

#### Conference Publications

- Anderson RWG; Edwards S & Hutchinson TP 2006. Results and implications of a survey of child restraint use in South Australia. ARSRPE06, Peter Sugg (eds), CDROM1-CDROM10. Surfers Paradise, Queensland. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35298>
- Anderson RWG; Thomas H & Somers RL 2006. South Australian primary schools bicycle helmet usage survey. ARSRPE06, Peter Sugg (eds), CDROM1-CDROM8. Surfers Paradise, Queensland. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35299>

- Anderson RWG; van den Berg AL; Ponte G; Streeter L & McLean AJ 2006. Testing the pedestrian safety of bull bars: methods and results. ARSRPE06, Peter Sugg (eds), CDROM1-CDROM12. Surfers Paradise, Queensland. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35297>
- Hutchinson TP 2006. The trade-off between the probabilities of the two types of prediction error: how to linearise the graph. The 2nd International Conference for the Australasian Business and Behavioural Sciences Association (ABBSA) "Industry, Markets, and Regions", CD Ho (eds), CDROM 1-CDROM 15. Adelaide, Australia. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22688>
- Long AD; Kloeden CN; Hutchinson TP & McLean AJ 2006. Reduction of speed limit from 110 km/h to 100 km/h on certain roads in South Australia: A preliminary evaluation. ARSRPE06, Peter Sugg (eds), CDROM1-CDROM8. Surfers Paradise, Queensland. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35301>
- McLean AJ; Kloeden CN & Ponte G 2006. Characteristics of rollover crashes. ARSRPE06, Peter Sugg (eds), CDROM1-CDROM12. Surfers Paradise, Queensland. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35295>
- Woolley JE; Kloeden CN; Lindsay T; Ponte G & McLean AJ 2006. The Adelaide Metropolitan Indepth Crash Investigation Study 2002-2005. ARSRPE06, Peter Sugg (eds), CDROM1-CDROM10. Surfers Paradise, Queensland. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35296>
- Wundersitz LN & Burns NR 2006. Personality characteristics and attitudes of young traffic offenders. ARSRPE06, Peter Sugg (eds), CDROM1-CDROM10. Surfers Paradise, Queensland. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35300>

## *Petroleum Engineering*

### Book Chapters

- Payenberg THD; Boyd R; Beaudoin J; Ruming K; Davies S; Roberts J & Lang SC 2006. The filling of an incised valley by shelf dunes - an example from Hervey Bay, east coast of Australia. in Robert W Dalrymple, Dale A Leckie, roderick W Tillman (eds) Incised valleys in time and space, 87-98, Ontario, Canada: Society for Sedimentary Geology. ISBN 1565761227 <http://digital.library.adelaide.edu.au/dspace/handle/2440/35619>

### Journal Articles

- Al-Harthy M; Khurana AK; Begg SH & Bratvold RB 2006. Sequential and systems approaches for evaluating investment decisions - influence of functional dependencies and interactions. APPEA Journal. 46 (1): 511-523. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35615>
- Camac BA; Hunt SP; Boulton P & Dillon MJ 2006. Unconventional borehole breakout rotation analysis provides a QC tool for stress models. APPEA Journal. 46 (1): 307-328. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35614>
- Elliott TE; Nettelbeck TJ; Welsh MB & Mills V 2006. Investigating the construct validity associated with microworld research: A comparison of performance under different management structures across expert and non-expert naturalistic decision-making groups. Australian Journal of Psychology. 58 (1): 40-47. <http://digital.library.adelaide.edu.au/dspace/handle/2440/23029>
- Emera MK & Sarma HK 2006. A reliable correlation to predict the change in minimum miscibility pressure when CO2 is diluted with other gases. Spe Reservoir Evaluation & Engineering. 9 (4): 366-373. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22701>
- Gibson-Poole CM; Svendsen L; Underschultz J; Watson MN; Ennis-King J; Van Ruth PJ; Nelson EJ; Daniel RF & Cinar Y 2006. Gippsland Basin geosequestration: A potential solution for the Latrobe Valley brown coal CO2 emissions. APPEA Journal. 46 (1): 413-433. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35620>
- Kahler WA; Kotoousov AG & Melkoumian N 2006. On material choice and fracture susceptibility of restored teeth: an asymptotic stress analysis approach. Dental Materials. 22: 1109-1114. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22872>

### Conference Publications

- Hunt SP; Camac BA & Boulton P 2006. A new geomechanical tool for the evaluation of hydrocarbon trap integrity. 41st US Rock Mechanics Symposium, DP Yale, SC Holtz, C Breeds, U Ozbay (eds), CDROM1-CDROM10. Golden, Colorado, USA. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35617>
- Morelli CP & Hunt SP 2006. Prediction of stress states in the Cooper Basin, Australia. 7YGPC, Brenton Harris, Wayne Potter, Brendan Scott (eds), 133-138. Adelaide, Australia. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35612>
- Morelli CP; Hunt SP & Boulton P 2006. Calibration of distinct element models for the Cooper Basin, Australia - Towards improved hydrocarbon production. ARMA's Golden Rocks 2006, David P Yale, Sarah C Holtz, Chris Breeds, Ugur Ozbay (eds), CDROM1-CDROM10. Colorado, USA. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35613>

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- Skatulla S; Sansour C & Hunt SP 2006. Meshfree modelling of elastic rock material using a generalized formulation. 41st US Rock Mechanics Symposium, DP Yale, SC Holtz, C Breeds, U Ozbay (eds), CDROM1-CDROM12. Golden, Colorado, USA. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35616>
  - Ta QD & Hunt SP 2006. Stress variability around large structural features and its impact on permeability for coupled modelling simulations. ARMS 2006, CF Leung, YX Zhou (eds), 1-10. Singapore. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35618>

### *School of Chemical Engineering*

#### Conference Publications

- Colby CB; Ngothai YM; Nguyen QD; O'Neill BK; Liu D & Majewski PJ 2006. Higher temperatures accelerate formation of biomimetic HA coatings on Ti implants using SAMs. Chemeca 2006, BR Young, DA Patterson, XD Chen (eds), CDROM1-CDROM5. Auckland, New Zealand. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35865>
- Colby CB; O'Neill BK; Waters EJ & Nordestgaard SJ 2006. In-line dosing of bentonite: A new processing strategy for the wine industry. Chemeca 2006, BR Young, DA Patterson, XD Chen (eds), CDROM1-CDROM6. Auckland, New Zealand. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35868>
- Kuncoro GB; Ngothai YM; Sweeney DG; O'Neill BK & Kaeding UW 2006. Investigation of potato starch and sonicated RAS as alternative carbon sources for biological nitrogen removal. Chemeca 2006, BR Young, DA Patterson, XD Chen (eds), CDROM1-CDROM5. Auckland, New Zealand. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35861>
- Low LL; Colby CB; O'Neill BK; Ford CJ; Gooden JM & Gishen M 2006. Use of nanofiltration for tartrate stabilisation of wine. Chemeca 2006, BR Young, DA Patterson, XD Chen (eds), CDROM1-CDROM5. Auckland, New Zealand. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35863>
- Macintyre OJ; Colby CB; Chambers P; O'Neill BK; Pretorius IS & Waters EJ 2006. Optimisation of production of a wine haze protective factor. Chemeca 2006, BR Young, DA Patterson, XD Chen (eds), CDROM1-CDROM6. Auckland, New Zealand. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35869>
- Nordestgaard SJ; Colby CB; Chuan YP; O'Neill BK & Waters EJ 2006. Bentonite lab fining trials with white wine. Chemeca 2006, BR Young, DA Patterson, XD Chen (eds), CDROM1-CDROM6. Auckland, New Zealand. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35860>
- Philcox AP; Ashman PJ & Marney D 2006. The method of invariant kinetic parameters as applied to polypropylene and brominated flame retardant mixtures. Chemeca 2006, BR Young, DA Patterson, XD Chen (eds), CDROM1-CDROM6. Auckland, New Zealand. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35867>
- Putra HD; Ngothai YM & Seracino R 2006. Effects of fillers on the flexural properties of mixed recycled plastic materials. Chemeca 2006, BR Young, DA Patterson, XD Chen (eds), CDROM1-CDROM5. Auckland, New Zealand. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35864>
- Reid N; Hill SM; Lewis DM & Worrall L 2006. Geobotanical and biogeochemical associations of snappy gum (*eucalyptus brevifolia*): Tanami region W.A.. Regolith 2006 Symposium, Dr RW Fitzpatrick, DR P Shand (eds), 288-290. Hahndorf SA. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35159>
- Saw WL; Nathan GJ; Alwahabi Z; Ashman PJ; Forssen M & Hupa MM 2006. Preliminary investigation on the release rate of atomic sodium from combustion of black liquor. Bioenergy Australia 2006, Caroline Lemerle (eds), 1-8. Fremantle, WA. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35408>
- Shi Y; Majewski PJ; Ngothai YM; Nguyen QD & Thierry B 2006. High quality monodisperse dextran-coated magnetic nanoparticles for magnetic resonance imaging. Chemeca 2006, BR Young, DA Patterson, XD Chen (eds), CDROM1-CDROM6. Auckland, New Zealand. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35859>
- Wang H; Lewis DM; Newcombe G; Brookes JD & Ho L 2006. Separated absorption and bacterial degradation of microcystins in GAC filtration. Chemeca 2006, BR Young, DA Patterson, XD Chen (eds), CDROM1-CDROM5. Auckland, New Zealand. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35862>

**School of Civil and Environmental Engineering****Book Chapters**

- Cameron DA; Jaksa MB; Potter W & O'Malley A 2006. Influence of trees on expansive soils in southern Australia. in AA Al-Rawas, MFA Goosen (eds) *Expansive soils - Recent advances in characterization and treatment*, 295-314, Cornwall, UK: Taylor & Francis. ISBN 0-415-39681-6 <http://digital.library.adelaide.edu.au/dspace/handle/2440/35909>
- Daniell KA; Kingsborough AB; Malovka DJ; Sommerville HC; Foley BA & Maier HR 2006. Sustainability Assessment of Housing Developments: A New Methodology. in P Perez, D Batten (eds) *Complex Science for a Complex World: Exploring Human Ecosystems with Agents*, 113-146, Canberra, ACT 0200: ANU E Press. ISBN 1 920942 38 6 <http://digital.library.adelaide.edu.au/dspace/handle/2440/35912>
- Jakeman AJ; Norton JP; Letcher RA & Maier HR 2006. Integrated modelling: Construction, selection, uncertainty. in C Giupponi, AJ Jakeman, D Karssenberg, MP Hare (eds) *Sustainable management of water resource - an integrated approach*, 263-286, Gloucestershire, UK: Edward Elgar Publishing Limited. ISBN 1-854548-745-9 <http://digital.library.adelaide.edu.au/dspace/handle/2440/35910>
- Walker DJ; Daniell TM; Murphy SE; French RK & H S 2006. Modelling heavy metal reduction in a constructed wetland. in AR Burk (eds) *New Developments in ecology research*, 167-186, New York, USA: Nova Science Publishers. ISBN 1-59454-662-2 <http://digital.library.adelaide.edu.au/dspace/handle/2440/35911>  
School of Computer Science

**Books**

- Michalewicz Z & Fogel DB 2006. *How to solve it: Modern heuristics*. Springer. ISBN 3-540-22494-7 <http://digital.library.adelaide.edu.au/dspace/handle/2440/36028>

**Journal Articles**

- Bergant A; Simpson AR & Tijsseling AS 2006. Water hammer with column separation: A historical review. *Journal of Fluids and Structures*. 22 (2): 135-171. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35874>
- Bowden GJ; Nixon JB; Dandy GC; Maier HR & Holmes M 2006. Forecasting chlorine residuals in a water distribution system using a general regression neural network. *Mathematical and Computer Modelling*. 44 (5-6): 469-484. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22964>
- Dandy GC & Engelhardt MO 2006. Multi-objective trade-offs between cost and reliability in the replacement of water mains. *Journal of Water Resources Planning and Management-ASCE*. 132 (2): 79-88. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22949>
- Gibbs M; Morgan N; Maier HR; Dandy GC; Nixon JB & Holmes M 2006. Investigation into the relationship between chlorine decay and water distribution parameters using data driven methods. *Mathematical and Computer Modelling*. 44 (5-6): 485-498. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22965>
- Griffith MC; Lam NT-K & Wilson JL 2006. Displacement-based assessment of the seismic capacity of unreinforced masonry walls in bending. *Australian Journal of Structural Engineering*. 6 (2): 119-131. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22959>
- Hao H & Wu C 2006. Numerical simulation of damage of low-rise RC frame structures with infilled masonry walls to explosive loads. *Australian Journal of Structural Engineering*. 7 (1): 13-22. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35886>
- Hyde KM & Maier HR 2006. Distance-based and stochastic uncertainty analysis for multi-criteria decision analysis in Excel using Visual Basic for Applications. *Environmental Modelling & Software*. 21 (12): 1695-1710. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22967>
- Jung BS; Karney BW & Lambert MF 2006. Benchmark tests of evolutionary algorithms: Mathematic evaluation and application to water distribution systems. *Journal of Environmental Informatics*. 7 (1): 24-35. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35896>
- Kingston GB; Maier HR & Lambert MF 2006. A probabilistic method for assisting knowledge extraction from artificial neural networks used for hydrological prediction. *Mathematical and Computer Modelling*. 44 (5-6): 499-512. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22962>
- Kuczera GA; Lambert MF; Heneker TM; Jennings SA; Frost A & Coombes P 2006. Joint probability and design storms at the crossroads. *Australian Journal of Water Resources*. 10 (1): 63-79. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35893>

- Lee PJ; Lambert MF; Simpson AR; Vitkovsky JP & Liggett JA 2006. Experimental verification of the frequency response method for pipeline leak detection. *Journal of Hydraulic Research*. 44 (5): 693-707. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22972>
- Leonard M; Metcalfe AV & Lambert MF 2006. Efficient simulation of a space-time Neyman-Scott rainfall model. *Water Resources Research*. 42 (11): 11503-11503. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22971>
- Liu IST; Oehlers DJ & Seracino R 2006. Moment redistribution in FRP and steel-plated reinforced concrete beams. *Journal of Composites for Construction*. 10 (2): 115-124. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22948>
- Liu IST; Oehlers DJ & Seracino R 2006. Tests on the ductility of reinforced concrete beams retrofitted with FRP and steel near-surface mounted plates. *Journal of Composites for Construction*. 10 (2): 106-114. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22952>
- Liu IST; Oehlers DJ; Seracino R & Ju G 2006. Moment redistribution parametric study of CFRP, GFRP and steel surface plated RC beams and slabs. *Construction and Building Materials*. 20 (1-2): 59-70. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35878>
- Maier HR; Zecchin AC; Radbone LJ & Goonan PM 2006. Optimising the mutual information of ecological data clusters using evolutionary algorithms. *Mathematical and Computer Modelling*. 44 (5-6): 439-450. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22966>
- Misiunas D; Vitkovsky JP; Olsson G; Lambert MF & Simpson AR 2006. Failure monitoring in water distribution networks. *Water Science and Technology*. 53 (4-5): 503-511. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22954>
- Mohamed Sadakkathulla MAS; Oehlers DJ & Seracino R 2006. Vertical shear interaction model between external FRP transverse plates and internal steel stirrups. *Engineering Structures*. 28 (3): 381-389. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35880>
- Oehlers DJ 2006. Ductility of FRP plated flexural members. *Cement & Concrete Composites*. 28 (10): 898-905. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22970>
- Oehlers DJ 2006. FRP plates adhesively bonded to reinforced concrete beams: Generic debonding mechanisms. *Advances in Structural Engineering*. 9 (6): 737-750. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35872>
- Oehlers DJ 2006. Sequential assessment of engineering design projects at university level. *European Journal of Engineering Education*. 31 (4): 487-495. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35879>
- Oehlers DJ & Walker DJ 2006. Assessment of deep learning ability for problem solvers. *International Journal of Engineering Education*. 22 (6): 1261-1268. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35873>
- Oehlers DJ; Campbell LA; Haskett MH; Antram P & Byrne R 2006. Moment redistribution in RC beams retrofitted by longitudinal plating. *Advances in Structural Engineering*. 9 (2): 257-264. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22953>
- Ozbakkaloglu T & Saatcioglu M 2006. Seismic behavior of high-strength concrete columns confined by fiber-reinforced polymer tubes. *Journal of Composites for Construction*. 10 (6): 538-549. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35870>
- Seracino R; Lee CT & Tan Z 2006. Partial interaction shear flow forces in continuous composite steel-concrete beams. *Journal of Structural Engineering-ASCE*. 132 (2): 227-236. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22951>
- Shahin MA & Jaksa MB 2006. Pullout capacity of small ground anchors by direct cone penetration test methods and neural networks. *Canadian Geotechnical Journal*. 43 (6): 626-637. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22957>
- Skinner AJ & Lambert MF 2006. Using smart sensor strings for continuous monitoring of temperature stratification in large water bodies. *IEEE Sensors Journal*. 6 (6): 1473-1481. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35871>
- Vitkovsky JP; Bergant A; Simpson AR & Lambert MF 2006. Systematic evaluation of one-dimensional unsteady friction models in simple pipelines. *Journal of Hydraulic Engineering-ASCE*. 132 (7): 696-708. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22958>
- Vitkovsky JP; Stephens ML; Bergant A; Simpson AR & Lambert MF 2006. Numerical error in weighting function-based unsteady friction models for pipe transients. *Journal of Hydraulic Engineering-ASCE*. 132 (7): 709-721. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22956>
- White I; Wade A; Worthy M; Mueller N; Daniell TM & Wasson R 2006. The vulnerability of water supply catchments to bushfires: impacts of the January 2003 wildfires on the Australian Capital Territory. *Australian Journal of Water Resources*. 10 (2): 170-193. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35887>

- Willis CR; Griffith MC & Lawrence SJ 2006. Moment capacities of unreinforced masonry sections in bending. Australian Journal of Structural Engineering. 6 (2): 133-145. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22960>
- Wu C & Hao H 2006. Numerical prediction of rock mass damage due to accidental explosions in an underground ammunition storage chamber. Shock Waves. 15 (1): 43-54. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22950>
- Wu C & Hao H 2006. Derivation of 3D masonry properties using numerical homogenization technique. International Journal for Numerical Methods in Engineering. 66 (11): 1717-1737. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22955>
- Wu Y; Liu T & Oehlers DJ 2006. Fundamental principles that govern retrofitting of reinforced concrete columns by steel and FRP jacketing. Advances in Structural Engineering. 9 (4): 507-533. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22961>
- Xia S & Oehlers DJ 2006. Debonding mechanisms in FRP plated unreinforced masonry under out-of-plane loading. Advances in Structural Engineering. 9 (5): 619-637. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22968>
- Zecchin AC; Simpson AR; Maier HR; Leonard M; Roberts AJ & Berrisford MJ 2006. Application of two ant colony optimisation algorithms to water distribution system optimisation. Mathematical and Computer Modelling. 44 (5-6): 451-468. <http://digital.library.adelaide.edu.au/dspace/handle/2440/22963>

### Conference Publications

- Broad D; Dandy GC; Maier HR & Nixon JB 2006. Improving metamodel-based optimization of water distribution systems with local search. 2006 IEEE World Congress on Computational Intelligence, Gary G Yen (eds), CDROM2725-CDROM2732. Vancouver, Canada. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35884>
- Cordery I; Weeks B; Loy A; Daniell TM; Knee R; Minchin S & Wilson D 2006. Australia's water data - past and present issues and problems, and solutions for the future. 30th Hydrology and Water Resources Symposium, Geoff Brayford (eds), CDROM1-CDROM7. Launceston, Tasmania. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35899>
- Daniell TM & Daniell KA 2006. Human impacts, complexity, variability and non-homogeneity: four dilemmas for the water resources modeller. Climate Variability and Change - Hydrological Impacts, S Demuth, A Gustard, E Planos, F scatena, E Servat (eds), 10-15. Havana, Cuba. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35888>
- Gibbs M; Maier HR; Dandy GC & Nixon JB 2006. Minimum number of generations required for convergence of genetic algorithms. 2006 IEEE World Congress on Computational Intelligence, Gary G Yen (eds), CDROM2580-CDROM2587. Vancouver, Canada. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35883>
- Hao H; Wu C; Li Z & Abdullah AK 2006. Numerical analysis of structural progressive collapse to blast loads. First ADSEI Conference, LI Zhongxian, HAO Hong (eds), 31-34. Tianjin, China. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35889>
- Kemp DJ; Loffler T & Daniell TM 2006. The strange case of First Creek - If the flood doesn't fit the curve should the curve fit the flood?. 30th Hydrology and Water Resources Symposium, Geoff Brayford (eds), CDROM1-CDROM6. Launceston, Tasmania. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35900>
- Kingston GB; Maier HR & Lambert MF 2006. Forecasting cyanobacteria with Bayesian and deterministic artificial neural networks. 2006 IEEE World Congress on Computational Intelligence, Gary G Yen (eds), CDROM9924-CDROM9931. Vancouver, Canada. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35881>
- Leonard M; Lambert MF; Metcalfe AV & Kuczera GA 2006. A simulation method for calibrating cluster-process rainfall models. 30th Hydrology and Water Resources Symposium, Geoff Brayford (eds), CDROM1-CDROM6. Launceston, Tasmania. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35905>
- Lumantarna E; Vaculik J; Griffith MC; Lam NT-K & Wilson JL 2006. Seismic fragility curves for un-reinforced masonry walls. AEES 2006, Kevin McCue, Sonja Lenz (eds), 33-40. Canberra, Australia. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35875>
- Maier HR & Ascough JC 2006. Uncertainty in environmental decision-making: Issues, challenges and future directions. iEMSs Third Biennial Meeting, Alexey Voinov, Anthony J Jakemand, Andrea E Rizzoli (eds), www1-www11. Bington, USA. <http://digital.library.adelaide.edu.au/dspace/handle/2440/35897>
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