



Research and Innovation Portfolio

2008 College of Science, Engineering and Health Research Publications

Bibliographic Report

September 2009

Table of Contents

Aerospace, Mechanical & Manufacturing Engineering	3
Book Chapters	3
Journal Articles.....	3
Conference Proceedings	7
Applied Sciences	12
Book Chapters	12
Journal Articles.....	13
Conference Proceedings	21
Civil, Environmental and Chemical Engineering	24
Book Chapters	24
Journal Articles.....	25
Conference Proceedings	26
Computer Science and Information Technology	30
Book Chapters	30
Journal Articles.....	31
Conference Proceedings	32
Electrical & Computer Engineering	37
Book Chapters	37
Journal Articles.....	37
Conference Proceedings	40
Health Sciences	50
Book Chapters	50
Journal Articles.....	50
Conference Proceedings	56
Mathematical & Geospatial Sciences	56
Book Chapters	56
Journal Articles.....	57
Conference Proceedings	60
Medical Sciences	63
Book Chapters	63
Journal Articles.....	63
Conference Proceedings	66
SET College Office	66
Conference Proceedings	67

Aerospace, Mechanical & Manufacturing Engineering

Book Chapters

Alam, F., La-Brooy, R. & Subic, A. (2008). 'Aerodynamics of cricket ball - an understanding of swing', in *The Impact of Technology on Sports II*. Taylor and Francis Group, United Kingdom, 311 - 316, ISBN: 978-0-415-45695-1

Alam, F., La-Brooy, R., Subic, A. & Watkins, S. (2008). 'Aerodynamics of cricket ball - an effect of seams', in *The Engineering of Sport 7 Volume 1*. Springer, France, 345 - 352, ISBN: 978-287-09410-1

Alam, F., Subic, A. & Akbarzadeh, A. (2008). 'Aerodynamics of bicycle helmets', in *The Engineering of Sport 7 Volume 1*. Springer, France, 337 - 344, ISBN: 978-287-09410-1

Alam, F., Subic, A., Akbarzadeh, A. & Watkins, S. (2008). 'Effects of venting geometry on thermal comfort and aerodynamic efficiency of bicycle helmets', in *The Impact of Technology on Sport II*. Taylor and Francis Group, Netherlands, 773 - 780, ISBN: 978-0-415-45695-1

Alam, F., Tio, W., Subic, A. & Watkins, S. (2008). 'An experimental and computational study of tennis ball aerodynamics', in *The Impact of Technology on Sports II*. Taylor and Francis Group, United Kingdom, 437 - 442, ISBN: 978-0-415-45695-1

Andrews, J. & Doddathimmaiah, A. (2008). 'Regenerative fuel cells', in *Materials for Fuel Cells*. Woodhead Publishing Limited, United Kingdom, 344 - 385, ISBN: 978-1-84569-330-5

Dekic, M. & Simic, M. (2008). 'Wireless power transfer and its applications in automotive engineering', in *Meeting the Challenges to Sustainable Mobility*. Publishing Solutions Pty Ltd, Australia, 209 - 216, ISBN: 9781921426155

Dusting, J., Bryson, M., Dixon, C. & StHill, S. (2008). 'Cooling performance of automotive air conditioning systems with low global warming potential refrigerants', in *Meeting the challenges to Sustainable Mobility*. RMIT University, Australia, 93 - 99, ISBN: 9781921426155

Hedayati, M. & Subic, A. (2008). 'Indicative comparison between the end-of-life vehicle recovery rate in Australia and the international best practices', in *Meeting the Challenges to Sustainable Mobility*. Publishing Solutions Pty Ltd, Australia, 157 - 165, ISBN: 978-1-921-42615-5

Leary, M., Schiavone, F. & Subic, A. (2008). 'Shape memory alloys for environmentally sustainable mechanical actuation', in *Meeting the Challenges to Sustainable Mobility*. Publishing Solutions Pty Ltd, Australia, 57 - 69, ISBN: 978-1-921-42615-5

Paterson, N. & Subic, A. (2008). 'Integrating the design for environment approach in sports products development', in *The Impact of Technology on Sport II*. Taylor and Francis Group, United Kingdom, 25 - 35, ISBN: 978-0-415-45695-1

Subic, A., Clifton, P. & Beneyto-Ferre, J. (2008). 'Defining strategies for novel snowboard design', in *The Engineering of Sport 7 Volume 1*. Springer, France, 65 - 72, ISBN: 978-287-09410-1

Subic, A., Clifton, P., Beneyto-Ferre, J., LeFlohic, A., Sato, Y. & Pichon, V. (2008). 'Analysis of snowboard stiffness and camber properties for different riding styles', in *The Engineering of Sport 7 volume 1*. Springer, France, 319 - 327, ISBN: 978-287-09410-1

Yeoh, G. & Tu, J. (2008). 'On modelling subcooled boiling flows: A review', in *Applied Mathematical Modelling*. Nova Science Publishers Inc, United States, 89 - 144, ISBN: 978-1-6002-1975-7

Journal Articles

Alam, F. & Subic, A. (2008). 'Measurement of aerodynamic properties of tennis balls', in *Institution of Engineers, Bangladesh Journal*, 33 (1), 101 - 112

Alam, F., Khan, M. & Rasul, M. (2008). 'A comparative study of residential household energy consumption in Australia and the USA', in *International Journal of Mechanical and Materials Engineering*, 3 (2), 127 - 132

- Alam, F., Subic, A., Naser, J., Rasul, M. & Khan, M. (2008). 'A study of spin effects on tennis ball aerodynamics', in *WSEAS Transactions on Fluid Mechanics*, 3 (3), 271 - 278
- Alam, F., Subic, A., Watkins, S., Naser, J. & Rasul, M. (2008). 'An experimental and computational study of aerodynamic properties of rugby balls', in *WSEAS Transactions on Fluid Mechanics*, 3 (3), 279 - 286
- Allen, S. & Mahdavian, S. (2008). 'The effect of lubrication on die expansion during the deep drawing of axisymmetrical steel cups', in *Journal of Materials Processing Technology*, 199 (1-3), 102 - 107
- Brumfitt, A., Thompson, L. & Raitt, D. (2008). 'The art and science of mission patches and their origins in society', in *Astronautica*, 62 (1-4), 715 - 720
- Bunting, A. (2008). 'Deploying wind power in Australia: A socio-technical analysis', in *International Journal of Environmental Technology and Management*, 9 (2/3), 162 - 175
- Chang, P., Mouritz, A. & Cox, B. (2008). 'Elevated temperature properties of pinned composite lap joints', in *Journal of Composite Materials*, 42 (8), 741 - 769
- Cheng, N., Subic, A. & Takla, M. (2008). 'Development of a fast-solving numerical model for the structural analysis of cricket balls', in *Sports Technology*, 1 (2/3), 132 - 144
- Cheung, A., Lee, E., Yuen, R., Yeoh, G. & Cheung, S. (2008). 'Capturing the pulsation frequency of a buoyant pool fire using the large eddy simulation approach', in *Numerical Heat Transfer Part A: Applications*, 53 (6), 561 - 576
- Cheung, C., Yeoh, G. & Tu, J. (2008). 'Population balance modelling of bubbly flows considering the hydrodynamics and thermomechanical processes', in *AIChE Journal*, 54 (7), 1689 - 1710
- Cheung, S., Yeoh, G. & Tu, J. (2008). 'Population balance modelling of bubbly flows considering the hydrodynamics and thermomechanical processes', in *AIChE Journal*, 54 (7), 1689 - 1710
- Cvetkovic, D., Cosic, I. & Subic, A. (2008). 'Improved performance of the electromagnetic fuel injector solenoid actuator using a modelling approach', in *International Journal of Applied Electromagnetics and Mechanics*, 27 (4), 251 - 273
- Daver, F., Gupta, R. & Kosiar, E. (2008). 'Rheological characterisation of recycled poly(ethylene terephthalate) modified by reactive extrusion', in *Journal of Materials Processing Technology*, 204 (1-3), 397 - 402
- Degenhardt, R., Kling, A., Rohwer, K., Orifici, A. & Thomson, R. (2008). 'Design and analysis of stiffened composite panels including post-buckling and collapse', in *Computers and Structures*, 86, 919 - 929
- Dharmawan, F., Li, H., Herszberg, I. & John, S. (2008). 'Applicability of the crack tip element analysis for the damage prediction of composite t-joints', in *Journal of Composite Structures*, 86 (1-3), 61 - 68
- Feih, S., Mathys, Z., Gibson, A. & Mouritz, A. (2008). 'Modelling compressive skin failure of sandwich composites in fire', in *Journal of Sandwich Structures and Materials*, 10 (3), 217 - 245
- Feih, S., Mathys, Z., Mathys, G., Gibson, G., Robinson, M. & Mouritz, A. (2008). 'Influence of water content on failure of phenolic composites in fire', in *Polymer Degradation and Stability*, 93 (2), 376 - 382
- Hanna, R. & Subic, A. (2008). 'Towards sustainable design in the sports and leisure industry', in *International Journal of Sustainable Design*, 1 (1), 60 - 74
- Healey, G. & Bunting, A. (2008). 'Wind power in Australia: Overcoming technological and institutional barriers', in *Bulletin of Science, Technology & Society*, 28 (2), 115 - 127
- Ho, M., Yeoh, G. & Tu, J. (2008). 'Population balance models for subcooled boiling flows', in *International Journal of Numerical Methods for Heat and Fluid Flow*, 18 (2), 160 - 172
- Ilaya, O., Bil, C. & Evans, M. (2008). 'Control design for unmanned aerial vehicle swarming', in *Proceedings of the Institution of Mechanical Engineers Part G-Journal of Aerospace Engineering*, 222 (4), 549 - 567
- Inthavong, K., Tian, Z., Tu, J. & Yang, W. (2008). 'Optimising nasal spray parameters for efficient drug delivery using computational fluid dynamics', in *Computers in Biology and Medicine*, 38 (6), 713 - 726

- Inthavong, K., Wen, J., Tian, Z. & Tu, J. (2008). 'Numerical study of fibre deposition in a human nasal cavity', in *Journal of Aerosol Science*, 39 (3), 253 - 265
- John, S. & Hariri, M. (2008). 'Effect of shape memory alloy actuation on the dynamic response of polymeric composite plates', in *Composites Part A: Applied Science and Manufacturing*, 39 (5), 769 - 776
- Kesavan, A., John, S. & Herszberg, I. (2008). 'Strain-based structural health monitoring of complex composite structures', in *Structural Health Monitoring*, 7 (3), 203 - 213
- Kootsookos, A. & Gates, J. (2008). 'The role of secondary carbide precipitation on the fracture toughness of a reduced carbon white iron', in *Materials Science and Engineering A: Structural Materials Properties Microstructure and Processing*, 490 (1-2), 313 - 318
- Kousourakis, A., Mouritz, A. & Bannister, M. (2008). 'Tensile and compressive properties of polymer laminates containing internal sensor cavities', in *Composites Part A: Applied Science and Manufacturing*, 39 (9), 1394 - 1403
- Kumar, A., Shim, S. & Phe, A. (2008). 'Simulating staffing needs for Consultation in hospital clinics', in *Journal of Operations and Logistics*, 2 (2), IV.1 - IV.12
- Li, H., Tu, J. & Subic, A. (2008). 'Virtual design of efficient twin-screw superchargers for sustainable power management in engines', in *International Journal of Vehicle Design*, 46 (2), 219 - 236
- Liu, Q., Sun, X., Mahdavian, S. & Ding, S. (2008). 'Establishment of the model for flexible manufacturing system based on COBRA and IDEF', in *International Journal of Advanced Manufacturing Technology*, 1 (doi:10.1007/s00170-008-1600-8), 1 - 11
- Mavuri, S. & Watkins, S. (2008). 'Vehicle wheel aerodynamic testing, using the double-symmetry technique', in *International Journal of Vehicle Design*, 48 (1/2), 81 - 96
- Mehta, R., Alam, F. & Subic, A. (2008). 'Review of tennis ball aerodynamics', in *Sports Technology*, 1 (1), 7 - 16
- Milosovski, G., Bil, C. & Cosevski, M. (2008). 'Application of expert systems to aircraft accident investigation', in *Mechanical Engineering - Scientific Journal*, 27 (2), 77 - 95
- Milosovski, G., Bil, C., Simon, P. & Cosevski, M. (2008). 'Demonstration of expert systems to aircraft accident investigation', in *Mechanical Engineering - Scientific Journal*, 27 (2), 97 - 105
- Mohanaragam, K., Tian, Z. & Tu, J. (2008). 'Numerical simulation of turbulent gas-particle flow in a 90 degrees bend: Eulerian-Eulerian approach', in *Computers and Chemical Engineering*, 32 (3), 561 - 571
- Mohanaragam, K., Tu, J. & Chen, L. (2008). 'Numerical study of particle dispersion behind a sudden expansion geometry and its effect on step heights', in *Computers and Chemical Engineering*, 32 (12), 3187 - 3197
- Mouritz, A. (2008). 'Tensile fatigue properties of 3D composites with through-thickness reinforcement', in *Composites Science and Technology*, 68 (12), 2503 - 2510
- Murray, S., Lancaster, A. & Malone, J. (2008). 'Making a life after care: The provision of support across the life cycle course', in *Developing Practice*, 22, 63 - 71
- Naser, J., Alam, F. & Khan, M. (2008). 'Evaluation of a proposed and an existing dust ventilation/collection system in an underground mine crushing plant', in *WSEAS Transactions on Fluid Mechanics*, 3 (3), 244 - 249
- Orifici, A., Herszberg, I. & Thomson, R. (2008). 'Review of methodologies for composite material modelling incorporating failure', in *Composite Structures*, 86, 194 - 210
- Orifici, A., Ortiz de Zarate Alberdi, I., Thomson, R. & Bayandor, J. (2008). 'Compression and post-buckling damage growth and collapse analysis of flat composite stiffened panels', in *Composite Science and Technology*, 68, 3150 - 3160
- Orifici, A., Shah, S., Herszberg, I., Kotler, A. & Weller, T. (2008). 'Failure analysis in postbuckled composite T-sections', in *Composite Structures*, 86, 146 - 153

- Orifici, A., Thomson, R., Degenhardt, R., Kling, A., Rohwer, K. & Bayandor, J. (2008). 'Degradation investigation in a postbuckling composite stiffened fuselage panel', in *Composite Structures*, 82, 217 - 224
- Orifici, A., Thomson, R., Herszberg, I., Weller, T., Degenhardt, R. & Bayandor, J. (2008). 'An analysis methodology for failure in postbuckling skin-stiffener interfaces', in *Composite Structures*, 86, 186 - 193
- Paul, B. & Andrews, J. (2008). 'Optimal coupling of PV arrays to PEM electrolyzers in solar-hydrogen systems for remote area power supply', in *International Journal of Hydrogen Energy*, 33 (2), 490 - 498
- Rudov-Clark, S. & Mouritz, A. (2008). 'Tensile fatigue properties of a 3D orthogonal woven composite', in *Composites Part A: Applied Science and Manufacturing*, 39 (6), 1018 - 1024
- Ryan, S., Schaefer, K., Destefanis, R. & Lambert, M. (2008). 'A ballistic limit equation for hypervelocity impacts on composite honeycomb sandwich panel satellite structures', in *Advances in Space Research*, 41 (7), 1152 - 1166
- Ryan, S., Schafer, F., Guyot, M., Hiermaier, S. & Lambert, M. (2008). 'Characterizing the transient response of CFRP/Al HC spacecraft structures induced by space debris impact at hypervelocity', in *International Journal of Impact Engineering*, 35 (12), 1756 - 1763
- Schafer, F., Ryan, S., Lambert, M. & Putzar, R. (2008). 'Ballistic limit equation for equipment placed behind satellite structure walls', in *International Journal of Impact Engineering*, 35 (12), 1784 - 1791
- Singh, R., Akbarzadeh, A. & Mochizuki, M. (2008). 'Operational characteristics of a miniature loop heat pipe with flat evaporator', in *International Journal of Thermal Sciences*, 47 (11), 1504 - 1515
- Singh, R., Akbarzadeh, A. & Mochizuki, M. (2008). 'Thermal performance of a capillary pumped loop for automotive cooling', in *Experimental Heat Transfer*, 21 (4), 296 - 313
- Situ, R., Ishii, M., Hibiki, T., Tu, J., Yeoh, G. & Mori, M. (2008). 'Bubble departure frequency in forced convective subcooled boiling flow', in *International Journal of Heat and Mass Transfer*, 51, 6268 - 6282
- Storey, I., Bourmistrova, A. & Subic, A. (2008). 'Performance measures of comfort and rattle space usage for limited-stroke vehicle suspension systems', in *International Journal of Acoustics and Vibrations*, 13 (2), 1 - 9
- Subic, A. & Cvetkovic, D. (2008). 'Virtual design and development of compact fast-acting fuel injector solenoid actuator', in *International Journal of Vehicle Design*, 46 (3), 309 - 327
- Subic, A., Clifton, P. & Beneyto-Ferre, J. (2008). 'Identification of innovation opportunities for snowboard design through benchmarking', in *Sports Technology*, 1 (1), 65 - 75
- Thakur, A., John, S. & Herszberg, I. (2008). 'Structural health monitoring of composite structures using artificial intelligence protocols', in *Journal of Intelligent Material Systems and Structures*, 19 (1), 63 - 72
- Tian, Z., Inthavong, K., Tu, J. & Yeoh, G. (2008). 'Numerical investigation into the effects of wall roughness on a gas-particle flow in a 90 degrees bend', in *International Journal of Heat and Mass Transfer*, 51 (5-6), 1238 - 1250
- Trivailo, P., Wang, F. & Zhang, H. (2008). 'Optimal attitude control of an accompanying satellite rotating around the space station', in *Acta Astronautica*, 64, 89 - 94
- Wang, X., Chen, C. & Tu, J. (2008). 'Numerical study on a simplified population balance approach for isothermal bubbly flows', in *Lixue Xuebao/Chinese Journal of Theoretical and Applied Mechanics*, 40 (4), 441 - 446
- Watkins, S. & Gioacchino, V. (2008). 'The effect of vehicle spacing on the aerodynamics of a representative car shape', in *Journal of Wind Engineering and Industrial Aerodynamics*, 96, 1232 - 1239
- Wen, J., Inthavong, K., Tu, J. & Wang, S. (2008). 'Numerical simulations for detailed airflow dynamics in a human nasal cavity', in *Respiratory Physiology & Neurobiology*, 161 (2), 125 - 135
- Williams, P., Sgarioto, D. & Trivailo, P. (2008). 'Constrained path-planning for an aerial-towed cable system', in *Aerospace Science and Technology*, 12 (5), 347 - 354
- Xiao, G., Tu, J. & Yeoh, G. (2008). 'Numerical simulation of the migration of hot gases in open vertical shaft', in *Applied Thermal Engineering*, 28 (5-6), 478 - 487

- Xu, S., Zhou, Y. & Tu, J. (2008). 'Two-dimensionality of a cantilevered-cylinder wake in the presence of an oscillating upstream cylinder', in *Journal of Fluids and Structures*, 24 (4), 467 - 480
- Xudong, X., Kumar, A. & Tan, A. (2008). 'A simulation-based approach for evaluating diverse inventory policies in a supply chain', in *International Journal of Simulation and Process Modelling*, 4 (1), 18 - 30
- Yang, J., Kitipornchai, S. & Kiew, K. (2008). 'Nonlinear local bending of FGM sandwich plates', in *Journal of Mechanics of Materials and Structures*, 3 (10), 1977 - 1992
- Yeoh, G., Cheung, S., Tu, J. & Ho, M. (2008). 'Fundamental consideration of wall heat partition of vertical subcooled boiling flows', in *International Journal of Heat and Mass Transfer*, 51 (15-16), 3840 - 3853
- Zhang, A., Liu, H., Mouritz, A. & Mai, Y. (2008). 'Experimental study and computer simulation on degradation of z-pin reinforcement under cyclic fatigue', in *Composites Part A: Applied Science and Manufacturing*, 39 (2), 406 - 414
- Zhang, H., Wang, F. & Trivailo, P. (2008). 'Spin-axis stabilisation of underactuated rigid spacecraft under sinusoidal disturbance', in *International Journal of Control*, 81 (12), 1901 - 1909

Conference Proceedings

- Abdullah, E., Bil, C. & Watkins, S. (2008). 'Development of an adaptive airfoil control system for unmanned aerial vehicle', *Proceedings of the 3rd International Conference on Mechatronics 2008*, Ahmad Faris Ismail (ed.), 3rd International Conference on Mechatronics 2008
- Akbarzadeh, A., Mochizuki, M. & Nguyen, T. (2008). 'Novel designs of miniature loop heat pipe evaporator and their future potential for cooling high powered laptops', *Proceedings of 9th international Heat Pipe Symposium*, K.S. Ong, K.S. Teoh, S. Namasivayam (ed.), 9th International Heat Pipe Symposium
- Akbarzadeh, A., Singh, R. & Mochizuki, M. (2008). 'Research and development on heat pipes in RMIT University', *Proceedings of the 9th International Heat Pipe Symposium*, K.S. Ong, K.S. Teoh, S. Namasivayam (ed.), 9th International Heat Pipe Symposium
- Alam, F. & Cape, R. (2008). 'Vibration effects of goods trains on their freight', *Proceedings of the 4th BSME-ASME International Conference on Thermal Engineering*, Prof A.K.M. Sadrul Islam, Prof. Toshiaki Setoguchi, Prof. M. Ruhul Amin, Dr. Sekhar Majumdar, Dr. Firoz Alam, Dr. Mehrdad T. Manzari (ed.), 4th BSME-ASME International Conference on Thermal Engineering
- Alam, F. & Theos, T. (2008). 'A new generation energy efficient residential house in Australia', *Proceedings of the 4th BSME-ASME International Conference on Thermal Engineering*, Prof. A.K.M. Sadrul Islam, Prof. Toshiaki Setoguchi, Prof. m. Ruhul Amin, Dr. Sekhar Majumdar, Dr. Firoz Alam, De Mehrdad T. Manzari (ed.), 4th BSME-ASME International Conference on Thermal Engineering
- Alam, F., Knight, A. & Subic, A. (2008). 'Aerodynamics of time trial bicycle helmets', *Proceedings of the 4th BSME-ASME International Conference on Thermal Engineering*, Prof A.K.M. Sadrul Islam, Prof. Toshiaki Setoguchi, Prof. M. Ruhul Amin, Dr. Sekhar Majumdar, Dr. Firoz Alam, Dr Mehrdad T. Manzari (ed.), 4th BSME-ASME International Conference on Thermal Engineering
- Alam, F., Subic, A., Plumb, G., Shortis, M. & Chandra, R. (2008). 'Off campus engineering education', *Proceedings of the 4th BSME-ASME International Conference on Thermal Engineering*, Prof A.K.M Sadrul Islam, Prof. Toshiaki Setoguchi, Prof. M. Ruhul Amin, Dr. Sekhar Majumdar, Dr. Firoz Alam, Dr. Mehrdad T. Manzari (ed.), The 4th BSME-ASME International Conference on Thermal Engineering
- Anand, V. & Bil, C. (2008). 'Application of shape optimisation to aircraft wing structures', *Proceedings of the 26th Congress of the International Council of the Aeronautical Sciences*, Ian Smith (ed.), 26th Congress of the International Council of the Aeronautical Sciences
- Andrews, J. & Shabani, B. (2008). 'Modelling of a solar-hydrogen combined heat and power systems for remote area power supply', *World Hydrogen Energy Conference 2008*, Dr. A. Dicks (ed.), 17th World Hydrogen Energy Conference

- Becker, W., Yu, X. & Tu, J. (2008). 'An adaptive grid method and its application to CFD learning and prediction', *Proceedings 34th Annual Conference of the IEEE Industrial Electronics Society (IECON 2008)*, John Y. Hung and Leopoldo Garcia Franquelo (ed.), 34th Annual Conference of the IEEE Industrial Electronics society (IECON 2008)
- Bil, C. (2008). 'The Australian Aerospace industry: An overview', *Proceedings of 2008 KSAS-JSASS Joint International Symposium on Aerospace*, Jeong Joo Rhiu, Takashi Ishikawa (ed.), 2008 KSAS-JSASS Joint International Symposium on Aerospace
- Brumfitt, A., Berenguer, Y., Wigbel, L., Willikens, P. & Thompson, L. (2008). 'The need for sustainable web based space education resources and teacher support across the classroom for all teachers', *59th International Astronautical Congress 2008*, Phillippe Willikens (ed.), 59th International Astronautical Congress 2008
- Cho, S., Bil, C. & Bayandor, J. (2008). 'BWB military cargo transport fuselage design and analysis', *Proceedings of the 26th Congress of the International Council of the Aeronautical Sciences (ICAS)*, Prof. I. Grant (ed.), 26th Congress of the international Council of the Aeronautical Sciences (ICAS)
- Cho, S., Bil, C. & Bayandor, J. (2008). 'Design and analysis of BWB passenger jet centre body structure', *Challenges for the Next Generation: Concept to Disposal Conference*, Hinal Patel (ed.), Aircraft Structural Design Conference
- Chowdhury, H., Alam, F., Biswas, S. & Islam, M. (2008). 'Engineering education in Bangladesh', *Proceedings of the 4th BSME-ASME International Conference on Thermal Engineering*, Prof A.K.M. Sadrul Islam, Prof. Toshiaki Setoguchi, Prof. M. Ruhul Amin, Dr. Sekhar Majumdar, Dr. Firoz Alam, Dr. Mehrdad T. Manzari (ed.), 4th BSME-ASME International Conference on Thermal Engineering
- Chowdhury, H., Alam, F., Mainwaring, D., Subic, A., Tate, M. & Forster, D. (2008). 'Aerodynamic testing methodology for sports garments', *Proceedings of the 4th BSME-ASME International Conference on Thermal Engineering*, Prof A.K.M. Sadrul Islam, Prof Toshiaki Setoguchi, Prof M. Ruhul Amin, Dr. Sekhar Majumdar, Dr. Firoz Alam, Dr. Mehrdad T. Manzari (ed.), 4th BSME-ASME International Conference on Thermal Engineering
- Chowdhury, H., Wood, D., Alam, F. & Islam, M. (2008). 'Effects of towers on aerodynamic performance of windmill', *Proceedings of the 4th BSME-ASME International Conference on Thermal Engineering*, Prof A.K.M. Sadrul Islam, Prof. Toshiaki Setoguchi, Prof. M. Ruhul Amin, Dr. Sekhar Majumdar, Dr. Firoz Alam, Dr Mehrdad T. Manzari (ed.), 4th BSME-ASME International Conference on Thermal Engineering
- Clarke, R., Sarbjit, G., Ciacchi, F., Badwal, S., Paul, B. & Andrews, J. (2008). 'A stand-alone 2 kW polymer electrolyte membrane electrolyser integrated with a solar pv systems for hydrogen generation', *World Hydrogen Energy Conference 2008*, Dr. A. Dicks (ed.), 17th World Hydrogen Energy Conference
- Cruz, E., Watkins, S., Loxton, B. & Watmuff, J. (2008). 'A flat plate rectangular wing subjected to grid - generated turbulence', *26th AIAA Applied Aerodynamics Conference*, Kevin C Massey (ed.), 26th AIAA Applied Aerodynamics Conference
- Demirel, B., Daver, F. & Kosior, E. (2008). 'Optimisation of petaloid base dimensions and process operating conditions for injection stretch blow moulded PET bottles', *Proceedings of The Polymer Processing Society 24th Annual Meeting (PPS-24)*, Dipartimento di Ingegneria Chimica e Alimentare dell Universita degli Studi di Salerno (ed.), The Polymer Processing Society 24th Annual Meeting (PPS-24)
- Dethlefsen, A., Li, H., Davis, C. & Stoddart, P. (2008). 'Fail-safe sensor for structural health monitoring', *Proceedings of SPIE: 19th International Conference on Optical Fibre Sensors*, David Sampson, Stephen Collins, Kyunghwan Oh, Ryozyo Yamauchi (ed.), 19th International Conference on Optical Fibre Sensors
- Dilla, E., Wang, X. & Rudakov, S. (2008). 'A simple and portable method of in-situ acoustic performance assessment of vehicle carpet systems', *The proceedings of the 15th International Congress on Sound and Vibration*, Chong Won-Lee (ed.), The 15th International Congress on Sound and Vibration
- Ding, S., Ye, Y., Tu, J. & Subic, A. (2008). 'Region based geometric modelling of human airways and arterial vessels', *2008 International Conference on Audio, Language and Image Processing Proceedings*, Wanggen Wan (ed.), 2008 International Conference on Audio, Language and Image Processing
- Doddathimmaiah, A. & Andrews, J. (2008). 'Modelling and performance measurement of unitised regenerative fuel cells', *World Hydrogen Energy Conference 2008*, Dr. A. Dicks (ed.), 17th World Hydrogen Energy Conference

- Feih, S., Mathys, Z., Gibson, G. & Mouritz, A. (2008). 'Compressive strength of polymer composites with thermal barriers in fire', *Proceedings of the 5th International Conference on Composites in Fire*, A.G. Gibson (ed.), Composites in Fire 5 Conference
- Hariri, M., John, S. & Trivailo, P. (2008). 'Control of structural flutter using piezoelectric patches', *Proceedings of Smart Materials, Adaptive Structures and Intelligent Systems 08 American Society of Mechanical Engineers Conference on Smart Materials, Adaptive Structures and Intelligent Systems*, Christopher Lynch (ed.), American Society of Mechanical Engineers Conference on Smart Materials, Adaptive Structures and Intelligent Systems
- Inthavong, K., Wen, J. & Tu, J. (2008). 'Inhalation of toxic and therapeutic particles in a human nasal cavity', *The 2nd International conference on Bioinformatics and Biomedical Engineering (iCBBE 2008)*, Dr. H. Zhou (ed.), The 2nd International conference on Bioinformatics and Biomedical Engineering (iCBBE 2008)
- Inthavong, K., Ye, Y., Ding, S. & Tu, J. (2008). 'Comparative study of the effects of acute asthma in relation to a recovered airway tree on airflow patterns', *13th International Conference on Biomedical Engineering*, James Gott (ed.), 13th International Conference on Biomedical Engineering
- Inthavong, K., Ye, Y., Ding, S., Tu, J., Subic, A. & Thien, F. (2008). 'Airway geometry and inhalation effort comparisons in a narrowed and recovered airway tree associated with acute asthma', *2008 International Conference on Audio, Language and Image Processing Proceedings*, Wanggen Wan, Fa-Lang Luo, Xiaoqing Yu (ed.), 2008 International Conference on Audio, Language and Image Processing
- Janon, A. & Andrews, J. (2008). 'Direct coupling of a fixed-pitch variable speed aerogenerator to PEM electrolyzers in a wind-hydrogen system for remote area power supply', *World Hydrogen Energy Conference 2008*, Dr. A. Dicks (ed.), 17th World Hydrogen Energy Conference
- Kajtaz, M., Subic, A., Takla, M., Biddala Reddy, S. & Leary, M. (2008). 'Crashworthiness validation in early stages of vehicle seat design', *ICrash 2008 Conference Proceedings*, E.C. Chirwa (ed.), ICrash 2008 International Crashworthiness Conference
- Kannanaikkel John, T., Wang, X., Dilla, E. & Watkins, S. (2008). 'Simulation (SEA) based acoustic optimization of vehicle carpet systems', *The proceedings of the 15th International Congress on Sound and Vibration*, Chong-Won lee (ed.), The 15th International Congress on Sound and Vibration
- Kesavan, A., John, S., Li, H. & Herszberg, I. (2008). 'Robust autonomous damage detection and assessment in polymeric composite structures', *Proceedings of SMASIS 08, ASME conference on Smart Materials, Adaptive Structures and Intelligent Systems*, CS Lynch, D Brei (ed.), ASME/AIAA Smart Materials, Adaptive Structures and Intelligent Systems Conference (SMASIS)
- Khurana, M. (2008). 'Application of an hybrid optimization approach in the design of long endurance airfoils', *Proceedings of the 26th Congress of the International Council of the Aeronautical Sciences*, I Grant (ed.), 26th Congress of the International Council of the Aeronautical Sciences
- Khurana, M., Sinha, A. & Winarto, H. (2008). 'Multi mission re-configurable UAV - Airfoil optimization through swarm approach and low fidelity solver', *Unmanned Air Vehicle Systems*, not stated (ed.), Unmanned Air vehicle Systems 23rd International Conference
- Khurana, M., Winarto, H. & Sinha, A. (2008). 'Airfoil geometry parameterization through shape optimizer and computational fluid dynamics', *Advancing the Science of Flight Technology*, M.J. Chung; P. Misra (ed.), 46th AIAA Aerospace Sciences Meeting and Exhibit
- Khurana, M., Winarto, H. & Sinha, A. (2008). 'Application of swarm approach and artificial neural networks for airfoil shape optimization', *Proceedings of the 12th AIAA/ISSMO Multidisciplinary Analysis and Optimization Conference*, American Institute of Aeronautics and Astronautics (ed.), 12th AIAA/ISSMO Multidisciplinary Analysis and Optimization Conference
- Kumar, A., Jiao, R. & Shim, S. (2008). 'Predicting bed requirement for a hospital using regression models', *Proceedings of the 2008 Industrial Engineering and Engineering Management International Conference on Industrial Engineering and Engineering Management*, Xie Min (ed.), 2008 Industrial Engineering and Engineering Management International Conference on Industrial Engineering and Engineering Management
- Lee, K. & Trivailo, P. (2008). 'Advanced interactive visualisation and simulation of spacecraft formation using virtual reality', *59th International Astronautical Congress IAC Proceedings 2008*, J Dessimoz; V Mayorova (ed.), 59th International Astronautical Congress (IAC 2008)

- Lee, K. & Trivailo, P. (2008). 'Interactive virtual reality simulator for the optimally controlled space robotic manipulators', *59th International Astronautical Congress IAC Proceedings 2008*, P.M. Bainum (ed.), 59th International Astronautical Congress (IAC 2008)
- Mahdavian, S., John, S., Daver, F. & Liu, Q. (2008). 'Refining product design through rapid prototype functional tests', *Proceedings of TMCE 2008 Symposium*, I. Horv'ath, Z. Rus'ak (ed.), Seventh International Symposium on Tools and Methods of Competitive Engineering
- Mavuri, S., Watkins, S., Wang, X., St Hill, S. & Weymouth, D. (2008). 'An investigation of vehicle HVAC cabin noise', *2008 World Congress*, Kevin Jost (ed.), SAE World Congress and Exhibition
- Mo, J. (2008). 'Modelling and simulation of national electronic product code network demonstrator project', *Proceedings of the 7th Workshop on e-Business*, Ting-Peng Liang, Michael J. Shaw (ed.), International Conference on Information Systems
- Mo, J. & Chen, T. (2008). 'Risk analysis of sourcing renewable energy on Australian landscape', *RMA 5th Annual Conference Proceedings*, Denise Kafklakis (ed.), 5th National Conference of risk Management Institute of Australasia 2008
- Mo, J. & Chen, T. (2008). 'Assessment of renewable energy sources on Australian landscape', *Emergency Power Supplies Conference 2008*, Sarah Montgomery (ed.), Emergency Power Supplies Conference 2008
- Mo, J. & Mahmoudi, M. (2008). 'Optimization and simulation of high speed production system', *9th Global Congress on Manufacturing and Management (GCMM 2008)*, Prasad K.D.V Yarlagadda (ed.), 9th Global Congress on Manufacturing and Management (GCMM 2008)
- Mo, J., Al-Ayid, F. & Chen, T. (2008). 'Development of XNX pipe bending process in small batch manufacturing environment', *9th Global Congress on Manufacturing and Management (GCMM 2008)*, Prasad Yarlagadda; Prasad Gudimetla (ed.), 9th Global Congress on Manufacturing and Management (GCMM 2008)
- Mo, J., Simic, M. & Dawson, P. (2008). 'Collaborative partnership for development of mechatronics engineering education of the future', *To Industry and Beyond*, Llewellyn Mann, Adam Thompson, Prue Howard (ed.), 19th Annual Conference for the Australasian Association for Engineering Education
- Mochizuki, M., Sajtoy, Y., Nguyen, T., Nguyen, T., Wuttijumnong, V., Horiuchi, Y., Tacomkang, R., Singh, R. & Akbarzadeh, A. (2008). 'Development of miniature loop heat pipes for the thermal control of laptops', *Proceedings of MNHT 2008*, American Society of Mechanical Engineers (ed.), ASME Micro/Nanoscale Heat Transfer International Conference
- Mouritz, A. (2008). 'Review of smoke toxicity of aerospace composites', *Proceedings of the 5th International Conference on Composites in Fire*, A.G. Gibson (ed.), Composites in Fire Conference
- Nusyirwan, I. & Bil, C. (2008). 'Factorial analysis of a real time optimisation for pursuit-evasion problem', *Proceedings of the 46th AIAA Aerospace Sciences Meeting and Exhibition*, Kevin C Masey (ed.), 46th AIAA Aerospace Sciences Meeting and Exhibition
- Omar, Z. & Bil, C. (2008). 'Genetic fuzzy control for autonomous ducted-fan VTOL UAV', *Proceedings of the 26th Congress of the International Council of the Aeronautical Sciences (ICAS)*, Prof. I. Grant (ed.), 26th Congress of the international Council of the Aeronautical Sciences (ICAS)
- Orifici, A., Thomson, R., Degenhardt, R. & Bayandor, J. (2008). 'The design of postbuckling composite aerospace structures accounting for damage initiation and growth', *ICAS 2008 CD-ROM Proceedings*, Ian Grant (ed.), 26th Congress of International Council of the Aeronautical Sciences
- Oruganti, V., Mehdizadeh, M., John, S. & Herszberg, I. (2008). 'Damage detection in composites using vibration signatures', *Proceedings of the 2008 International Conference on Scientific Computing*, H. Arabnia (ed.), 2008 International Conference on Scientific Computing
- Oruganti, V., Mehdizadeh, M., John, S. & Herszberg, I. (2008). 'Damage detection in composites using vibration signatures and mode shapes', *Proceedings of Smart Materials, Adaptive Structures and Intelligent Systems 08 American Society of Mechanical Engineers Conference on Smart Materials, Adaptive Structures and Intelligent Systems*, Christopher Lynch (ed.), American Society of Mechanical Engineers Conference on Smart Materials, Adaptive Structures and Intelligent Systems

- Oruganti, V., Mehdizadeh, M., John, S. & Herszberg, I. (2008). 'Vibration-based analysis of damage in composites', *Proceedings of the 2nd Asia-Pacific Workshop on Structural Health Monitoring (2APWSHM)*, S. Galea, W. Chiu, A. Mita (ed.), The 2nd Asia-Pacific Workshop on Structural health Monitoring (2APWSHM)
- Paul, B. & Andrews, J. (2008). 'Direct coupling of PV panels with PEM electrolyzers in solar-hydrogen systems: Experimental performance analysis', *World Hydrogen Energy Conference 2008*, Dr A. Dicks (ed.), 17th World Hydrogen Energy Conference
- Pell, B., Rowe, W., Sulic, E., Ghorbani, K., John, S., Gupta, R., Zhang, K. & Hughes, B. (2008). 'Experimental study of the effect of paint on embedded automotive antennas', *Proceedings of the 67th IEEE Vehicular Technology Conference 2008, VTC, 2008*, Mario Gerla (ed.), Vehicular Technology Conference 2008,
- Pell, B., Sulic, E., Rowe, W., Ghorbani, K., John, S., Gupta, R. & Zhang, K. (2008). 'The design and realization of uniplanar CPW fed PICA slot antennas', *Proceedings of the 2008 Asia-Pacific Microwave Conference*, Edward K.N. Yung (ed.), 2008 Asia-Pacific Microwave Conference (AMPC 2008)
- Simic, M. & Mo, J. (2008). 'Holistic educational development integrated through mechatronics design', *To Industry and Beyond*, Llewellyn Mann, Adam Thompson, Prue Howard (ed.), 19th Annual Conference for the Australasian Association for Engineering Education
- Situ, R., Yang, W., Tu, J., Yeoh, G., Hibiki, T., Ishii, M., Park, G. & Brown, R. (2008). 'Flow visualisation of bubble condensation in forced convective subcooled boiling flow', *Visualization, Optical Measurements and Image Processing in Fluid Mechanics and Heat Transfer*, Pr. Jean Pierre Prenel (ed.), 13th International Symposium on flow Visualisation
- Srisaeng, P., Bil, C. & Tein, M. (2008). 'Demand for low cost airlines in Australia', *ICRAT 2008 Third International Conference on Research in Air Transportation*, International Conference on Research in Air Transportation (ed.), ICRAT 2008 Third International Conference on Research in Air Transportation
- Sulic, E., Pell, B., John, S., Gupta, R., Rowe, W., Ghorbani, K. & Zhang, K. (2008). 'Performance of embedded multi-frequency communication devices in smart composite structures', *Proceedings of SMASIS 08, ASME Conference on Smart Materials, Adaptive Structures and Intelligent Systems*, CS Lynch, D Brei (ed.), ASME/AIAA Smart Materials, Adaptive Structures and Intelligent Systems Conference (SMASIS)
- Thompson, L., De Marchi, G. & Brumfitt, A. (2008). 'International space camps a proven formula for informal education', *59th International Astronautical Congress 2008*, Phillipe Willikens (ed.), 59th International Astronautical Congress 2008
- Trivailo, P., Fujii, H., Kojima, H. & Wantanabe, T. (2008). 'Multi-constrained optimal control of 3D robotic arm manipulators', *Preprints of the 26th International Symposium of Space Technology and Science*, Kenichi Rinoie, Kiyoshi Higuchi (ed.), The 26th International Symposium of space Technology and Science
- Van Balen, C. & Bil, C. (2008). 'Optimal re-routing of aircraft around closed airspace in free flight', *American Institute of Aeronautics and Astronautics Modelling and Simulation Technologies Conference*, Kevin Massey (ed.), 26th American Institute of Aeronautics and Astronautics Applied Aerodynamics Conference
- Van Der Velden, C., Bil, C., Yu, X. & Smith, A. (2008). 'An intelligent system for routing automation', *Innovative Production Machines and Systems*, D.T. Pham, E. Eldukhir, A.J. Soroka (ed.), Third I*PROMS Virtual International Conference
- Van Der Velden, C., Bil, C., Yu, X. & Smith, A. (2008). 'An adaptable methodology for automation application development', *Proceedings of the 26th Congress of the International Council of the Aeronautical Sciences*, Ian Grant (ed.), 26th Congress of the International Council of the Aeronautical Sciences
- Wang, X. & Li, H. (2008). 'Automobile 2020 - New sustainable vehicle concept', *Proceedings of the 2008 International Conference on Sustainable Automotive Technologies*, Aleksander Subic, Martin Leary, Jorg Wellnitz (ed.), 2008 International Conference on Sustainable Automotive Technologies
- Wang, X., Subic, A., Miller, J. & Lawry, B. (2008). 'Vehicle floor carpet acoustic optimization using statistical energy analysis method', *The proceedings of the 15th International Congress on Sound and Vibration*, Chong Won-Lee (ed.), The 15th International Congress on Sound and Vibration

- Watkins, S., Loxton, B., Bil, C., Aboultahim, M. & Milband, J. (2008). 'Flow fields in complex terrain and their challenges to micro-flight', *2008 AIAA Guidance, Navigation and Control Conference*, E. Frew (ed.), 2008 AIAA Guidance, Navigation and Control Conference
- Watmuff, J. (2008). 'Interactions between wave motions and a spanwise array of streamwise streaks', *22nd International Congress of Theoretical and Applied Mechanics*, Professor Ernie Tuck (ed.), 22nd International Congress of Theoretical and Applied Mechanics
- Webb, L., Bil, C. & Tasker, P. (2008). 'Knowledge Management for Through Life Support', *People, Processes and Technology*, Mike Sondalini (ed.), ICOMS Asset Management Conference
- Webb, L., Bil, C. & Tasker, P. (2008). 'Knowledge management for through life support of aircraft', *Proceedings of SimTecT 2008 Simulation Maximising Organisational Benefits*, Dr. Elysebeth Leigh (ed.), SimTecT 2008 Simulation conference and Exhibition
- White, C., Herszberg, I. & Mouritz, A. (2008). 'Structural consequences of sensor cavities in scarf repairs', *Proceedings of the 2nd Asia-Pacific Workshop on Structural Health Monitoring (2APWSHM)*, Steve Galea, Wing Kong, Akina Mita (ed.), 2nd Asia-Pacific Workshop on Structural Health Monitoring (2APWSHM)
- Williams, M., Johnston, V., Woolley, J., Lovrencic, V., Stobart, S. & Bil, C. (2008). 'International design synthesis exercise on an ISS return vehicle', *Proceedings of the 46th AIAA Aerospace Sciences Meeting and Exhibition*, Julie P Smith (ed.), 46th AIAA Aerospace Sciences Meeting and Exhibition
- Yeo, L., John, S. & Mo, J. (2008). 'Simulation of an optical tracking control system of a differentially-driven wheeled mobile robot', *Proceedings of the 2008 International Conference on Modelling, Simulation and Visualization Methods*, Hamid Arabania, Leonidas Deligiannidis (ed.), 2008 International Conference on Modelling, Simulation and Visualization Methods
- Zhao, H. & Bil, C. (2008). 'Aerodynamic design and analysis of a VTOL ducted-fan UAV', *Proceedings of the AIAA Guidance, Navigation and Control Conference and Exhibit, AIAA Proceedings of the 26th AIAA Applied Aerodynamics Conference*, Kevin C. Massey (ed.), 26th AIAA Applied Aerodynamics Conference
- Zhao, H., Bil, C. & YOON, B. (2008). 'Aerodynamic analysis of a ducted fan VTOL UAV for transition manoeuvre', *Proceedings of 2008 KSAS-JSAS Joint International Symposium on Aerospace Engineering*, Jeong Joo Rhiu, Takashi Ishikawa (ed.), Proceedings of 2008 KSAS-JSAS Joint International Symposium on Aerospace Engineering

Applied Sciences

Book Chapters

- Evenhuis, C., Guijt, R., Macka, M. & Marriott, P. (2008). 'Heat production and dissipation in capillary electrophoresis', in *Handbook of Capillary and Microchip Electrophoresis and Associated Microtechniques*. CRC Press, United States, 545 - 562, ISBN: 978-0-8493-3329-3
- Gauden, P., Terzyk, A., Kowalczyk, P., Aranovich, G., Donohue, M., Cwiernia, M., Furmaniak, S. & Rychlicki, G. (2008). 'Giles' classification of solute adsorption isotherms for binary non-electrolyte solutions via lattice DFT supported by experimental sorption data from aqueous solutions on carbonaceous materials', in *Carbon Materials: Theory and Practice*. Research Signpost, India, 517 - 570, ISBN: 978-81-308-0247-3
- Gomes da Silva, M., Cardeal, Z. & Marriott, P. (2008). 'Comprehensive two-dimensional gas chromatography: application to aroma and essential oil analysis', in *Food Flavor: Chemistry, Sensory Evaluation, and Biological Activity*. American Chemical Society, Washington, DC, 3 - 24, ISBN: 978-0-8412-7411-2
- Intaraprasert, J. & Marriott, P. (2008). 'On-line concentration of environmental pollutant samples by using capillary electrophoresis', in *Capillary Electrophoresis: Methods and Protocols*. Humana Press, United States, 661 - 701, ISBN: 978-1-58829-539-2
- Johnston, P., Trapp, J. & Kron, T. (2008). 'Managing radiation in the workplace', in *An Introduction to Radiation Protection in Medicine*. Taylor and Francis, USA, 83 - 96, ISBN: 978-1-58488-964-9

- Kowalczyk, P. & Bhatia, S. (2008). 'Nanoporous carbonaceous materials - efficient vessels for on-board storage of methane and hythane fuel', in *Carbon Materials: Theory and Practice*. Research Signpost, India, 495 - 516, ISBN: 978-81-308-0247-3
- Ryan, D. & Marriott, P. (2008). 'Comprehensive two-dimensional gas chromatography', in *Advances in Chromatography*. CRC Press, United States, 451 - 467, ISBN: 978-1-4200-6025-6
- Shanks, R. (2008). 'Polypropylene natural cellulosic fiber composites', in *Polyolefin Composites*. John Wiley & Sons Inc, USA, 31 - 43, ISBN: 978-0-471-79057-0
- Shanks, R. (2008). 'Miscibility, morphology and properties of polyethylene blends', in *Polyolefin Blends*. John Wiley & Sons Inc, USA, 59 - 83, ISBN: *978-00471-79058-7
- Trapp, J. & Johnston, P. (2008). 'Radiation detection and simulation methods', in *An Introduction to Radiation Protection in Medicine*. Taylor and Francis, USA, 71 - 82, ISBN: 978-1-58488-964-9
- Trapp, J. & Johnston, P. (2008). 'Fundamentals of radiation physics', in *An Introduction to Radiation Protection in Medicine*. Taylor and Francis, USA, 19 - 36, ISBN: 978-1-58488-964-9

Journal Articles

- Alves, A., VanDonkelaar, J., Rubinov, S., Reichart, P., Jamieson, D., Taylor, M., Franich, R. & Johnston, P. (2008). 'Scanning transmission ion microscopy of nanoscale apertures', in *Journal of the Korean Physical Society*, 53 (6), 3704 - 3708
- Amador-Munoz, O. & Marriott, P. (2008). 'Quantification in comprehensive two-dimensional gas chromatography and a model of quantification based on selected summed modulated peaks', in *Journal of Chromatography A*, 1184 (1-2), 323 - 340
- Amador-Munoz, O., Villalobos-Pietrini, R., Aragon-Pina, A., Tran, T., Morrison, P. & Marriott, P. (2008). 'Quantification of polycyclic aromatic hydrocarbons based on comprehensive two-dimensional gas chromatography-isotope dilution mass spectrometry', in *Journal of Chromatography A*, 1201 (2), 161 - 168
- Amiet, R. & Urban, S. (2008). 'The iodochlorination of styrene: An experiment that makes a difference', in *Journal of Chemical Education*, 85 (7), 962 - 964
- Ampen-Lassen, E., Sidiroglou, F., Peng, J., Huntington, S. & Roberts, A. (2008). 'Index mapping for fibers with symmetric and asymmetric refractive index profiles', in *Optics Express*, 16 (15), 10912 - 10917
- Auerswald, L., Freier, U., Lopata, A. & Meyer, B. (2008). 'Physiological and morphological colour change in Antarctic krill, *Euphausia superba*: a field study in the Lazarev Sea', in *The Journal of Experimental Biology*, 211 (24), 3850 - 3858
- Bansal, V., Jani, H., Du Plessis, J., Coloe, P. & Bhargava, S. (2008). 'Galvanic replacement reaction on metal films: A one-step approach to create nanoporous surfaces for catalysis', in *Advanced Materials*, 20 (4), 717 - 723
- Barnard, A. & Snook, I. (2008). 'Thermal stability of graphene edge structure and graphene nanoflakes', in *Journal of Chemical Physics*, 128 (9), 1 - 7
- Barnard, A., Opletal, G., Snook, I. & Russo, S. (2008). 'Ideality versus reality: Emergence of the Chui icosahedron', in *Journal of Physical Chemistry C*, 112 (38), 14848 - 14852
- Bennett, M., Bhargava, S., Keniry, M., Priver, S., Simmonds, P., Wagler, J. & Willis, A. (2008). 'A triad of bis(orthometalated) d(8)-complexes containing four-membered rings', in *Organometallics*, 27 (20), 5361 - 5370
- Bennett, M., Bhargava, S., Priver, S. & Willis, A. (2008). 'Selective cleavage by acids of one metal-carbon sigma-bond of a bis(ortho-platinated) triarylphosphane: A P-31 NMR trans-influence series based on the unit $\text{Pt}(\kappa^2\text{-C}_6\text{H}_3\text{-5-Me-2-PPH}_2)(\text{PPH}_2\text{-4-tol})$ ', in *European Journal of Inorganic Chemistry*, 22, 3467 - 3481
- Bieri, S. & Marriott, P. (2008). 'Dual-injection system with multiple injections for determining bidimensional retention indexes in comprehensive two-dimensional gas chromatography', in *Analytical Chemistry*, 80 (3), 760 - 768

- Bilus Abaffy, N., Partridge, J., Du Plessis, J. & McCulloch, D. (2008). 'Optically absorbing trilayer films fabricated using a filtered cathodic vacuum Arc', in *Physica Status Solidi (A) Applications and Materials*, 205 (6), 1439 - 1442
- Brady, Z., Taylor, M., Haynes, M., Whitaker, M., Mullen, A., Clews, L., Partridge, M., Hicks, R. & Trapp, J. (2008). 'The clinical application of PET/CT: A contemporary review', in *Australasian Physical and engineering Sciences in Medicine*, 31 (2), 90 - 109
- Brown, A., Francis, P., Adcock, J., Lim, K. & Barnett, N. (2008). 'Manganese(III) and manganese(IV) as chemiluminescence reagents: A review', in *Analytica Chimica Acta*, 624, 175 - 183
- Buchanan, W., Roddick, F. & Porter, N. (2008). 'Removal of VUV pre-treated natural organic matter by biologically activated carbon columns', in *Water Research*, 42 (13), 3335 - 3342
- Budi, A., Legge, F., Treutlein, H. & Yarovsky, I. (2008). 'Comparative study of insulin chain-b in isolated and monomeric environments under external stress', in *Journal of Physical Chemistry B*, 112 (26), 7916 - 7924
- Butler, D., Haworth, A., Sander, T. & Todd, S. (2008). 'Comparison of ¹⁹²Ir air kerma calibration coefficients derived at ARPANSA using the interpolation method and at the National Physical Laboratory using a direct measurement', in *Australasian Physical and Engineering Sciences in Medicine*, 31 (4), 332 - 338
- Cadusch, P., Todd, B., Zhang, J. & Davis, P. (2008). 'A non-local hydrodynamic model for the shear viscosity of confined fluids: analysis of a homogeneous kernel', in *Journal of Physics A: Mathematical and Theoretical*, 41, 1 - 23
- Campbell, J., Breedon, M., Latham, K. & Kalantar Zadeh, K. (2008). 'Electrowetting of superhydrophobic ZnO nanorods', in *Langmuir*, 24 (9), 5091 - 5098
- Cardeal, Z., de Souza, P., Gomes da Silva, M. & Marriott, P. (2008). 'Comprehensive two-dimensional gas chromatography for fingerprint pattern recognition in cachaca production', in *Talanta*, 74 (4), 793 - 799
- Chooi, Y., Stalker, D., Davis, M., Jufii, I., Elix, J., Louwhoff, S. & Lawrie, A. (2008). 'Cloning and sequence characterization of a non-reducing polyketide synthase gene from the lichen *Xanthoparmelia semiviridis*', in *Mycological Research*, 112 (2), 147 - 161
- Choudhary, V., Jana, P. & Bhargava, S. (2008). 'Direct H₂-to-H₂O₂ oxidation in aqueous acidic medium containing Br promoter over Pd/Al₂O₃ and Pd/C catalysts thermally pretreated under different conditions', in *Catalysis Letters*, 125, 296 - 301
- Clarke, B., Porter, N., Symons, R., Blackbeard, J., Ades, P. & Marriott, P. (2008). 'Dioxin-like compounds in Australian sewage sludge - Review and national survey', in *Chemosphere*, 72 (8), 1215 - 1228
- Clarke, B., Porter, N., Symons, R., Marriott, P., Ades, P., Stevenson, G. & Blackbeard, J. (2008). 'Polybrominated diphenyl ethers and polybrominated biphenyls in Australian sewage sludge', in *Chemosphere*, 73 (6), 980 - 989
- Codi King, S., Hassell, K., Nugegoda, D. & Kristiansen, S. (2008). 'The assessment of vitellogenin as a biomarker of exposure to estrogenic compounds in two Australian perciformes', in *Marine Environmental Research*, 66 (1), 116 - 118
- Csik, I., Russo, S. & Mulvaney, P. (2008). 'Density functional study of surface passivation of nonpolar wurtzite CdSe surfaces', in *Journal of Physical Chemistry C*, 112 (51), 20413 - 20417
- Davis, P. (2008). 'Thermodynamic relationships for shearing linear viscoelastic fluids', in *Journal of Non-Newtonian Fluid Mechanics*, 152 (1-3), 120 - 128
- Daryaei, H., Coventry, J., Versteeg, C. & Sherkat, F. (2008). 'Effect of high pressure treatment on starter bacteria and spoilage yeasts in fresh lactic curd cheese of bovine milk', in *Innovative Food Science and Emerging Technologies*, 9 (2), 201 - 205
- Davis, A. & MacNae, J. (2008). 'Measuring AEM waveforms with a ground loop', in *Geophysics*, 73 (6), F213 - F222
- Davis, A. & MacNae, J. (2008). 'Quantifying AEM system characteristics using a ground loop', in *Geophysics*, 73 (4), F179 - F188

- Dhawan, D., Bhargava, S., Tardio, J., Wlodarski, W. & Kalantar Zadeh, K. (2008). 'Gold coated nanostructured molybdenum oxide mercury vapour quartz crystal microbalance sensor', in *Sensor Letters*, 6, 231 - 236
- Dias, D. & Urban, S. (2008). 'Phytochemical analysis of the southern Australian marine alga, *Plocamium mertensii* using HPLC-NMR', in *Phytochemical Analysis*, 19 (5), 453 - 470
- Dias, D. & Urban, S. (2008). 'Phytochemical analysis of the southern Australian marine alga, *Plocamium mertensii* using HPLC-NMR', in *Phytochemical Analysis*, 19, 453 - 470
- D'Mello, D., Daley, A., Rahman, M., Qu, Y., Garland, S., Pearce, C. & Deighton, M. (2008). 'Vancomycin heteroresistance in bloodstream isolates of *Staphylococcus capitis*', in *Journal of Clinical Microbiology*, 46 (9), 3124 - 3126
- Dunlop, J., Horrigan, N., McGregor, G., Kefford, B., Choy, S. & Prasad, R. (2008). 'Effect of spatial variation on salinity tolerance of macroinvertebrates in Eastern Australia and implications for ecosystem protection trigger values', in *Environmental Pollution*, 151 (3), 621 - 630
- Ebert, M., Haworth, A., Kearvell, R., Hooton, B., Coleman, R., Spry, N., Bydder, S. & Joseph, D. (2008). 'Detailed review and analysis of complex radiotherapy clinical trial planning data: Evaluation and initial experience with the SWAN software system', in *Radiotherapy and Oncology*, 86 (2), 200 - 210
- Eyres, G., Urban, S., Morrison, P. & Marriott, P. (2008). 'Application of microscale-preparative multidimensional gas chromatography with nuclear magnetic resonance spectroscopy for identification of pure methyl naphthalenes from crude oils', in *Journal of Chromatography A*, 1215, 168 - 176
- Eyres, G., Urban, S., Morrison, P., Dufour, J. & Marriott, P. (2008). 'Method for small-molecule discovery based on microscale-preparative multidimensional gas chromatography isolation with nuclear magnetic resonance spectroscopy', in *Analytical Chemistry*, 80 (16), 6293 - 6299
- Field, M., McCulloch, D., Lim, S., Anders, A., Keast, V. & Burgess, R. (2008). 'The electronic structure of tungsten oxide thin films prepared by pulsed cathodic arc deposition and plasma-assisted pulsed magnetron sputtering', in *Journal of Physics: Condensed Matter*, 20 (17), 175216 - 175216
- Francis, P., Adcock, J., Costin, J., Purcell, S., Pfeffer, F. & Barnett, N. (2008). 'Chemiluminescence detection of opium poppy (*Papaver somniferum*) alkaloids', in *Journal of Pharmaceutical and Biomedical Analysis*, 48, 508 - 518
- Gasparro, J., Hult, M., Johnston, P. & Tagziria, H. (2008). 'Monte Carlo modelling of germanium crystals that are tilted and have rounded front edges', in *Nuclear Instruments and Methods in Physics Research Section A*, 594 (2), 196 - 201
- Genovese, A. & Shanks, R. (2008). 'Fire performance of poly (dimethyl siloxane) composites evaluated by cone calorimetry', in *Composites Part A: Applied Science and Manufacturing*, 39, 398 - 405
- Gideon, B., Ward, L. & Biddle, G. (2008). 'Duplex stainless steel welds and their susceptibility to intergranular corrosion', in *Journal of Minerals and materials Characterisation and Engineering*, 7 (3), 247 - 263
- Grando, D. (2008). 'Evaluating a new online course in the epidemiology of infectious diseases by studying student learning styles', in *Journal of College Science Teaching*, 37 (3), 29 - 33
- Grochola, G., Snook, I. & Russo, S. (2008). 'Influence of substrate morphology on the growth of gold nanoparticles', in *Journal of Chemical Physics*, 129, 154708-1 - 154708-14
- Gunaratne, W. & Shanks, R. (2008). 'Miscibility, melting, and crystallization behaviour of poly(hydroxybutyrate) and poly(D,L-lactic acid) blends', in *Polymer Engineering and Science*, 48, 1683 - 1692
- Gupta, V., Jain, A., Al Khayat, M., Bhargava, S. & Raison, J. (2008). 'Electroanalytical studies on cobalt(II) selective potentiometric sensor based on bridge modified calixarene in poly (vinyl chloride)', in *Electrochimica Acta*, 53, 5409 - 5414
- Han, X., Zhang, S., Shanks, R. & Pavel, D. (2008). 'Poly(4-vinylpyridine)-based hydrogen bonded side-chain liquid crystal polymers', in *Reactive and Functional Polymers*, 68 (6), 1097 - 1102
- Hansen, J., Todd, B. & Davis, P. (2008). 'Dynamical properties of a confined diatomic fluid undergoing zero mean oscillatory flow: Effect of molecular rotation', in *Physical Review E*, 77 (6), 66707-1 - 66707-10

- Harvey, T., Hughes, A., Hardin, S., Nikpour, T., Toh, S., Boag, A., McCulloch, D. & Horne, M. (2008). 'Non-chromate deoxidation of AA2024-T3: Sodium bromate-nitric acid (20-60 degrees C)', in *Applied Surface Science*, 254, 3562 - 3575
- Harynuk, J., Kwong, A. & Marriott, P. (2008). 'Modulation-induced error in comprehensive two-dimensional gas chromatographic separations', in *Journal of Chromatography A*, 1200 (1), 17 - 27
- Hassell, K., Coutin, P. & Nugegoda, D. (2008). 'Hypoxia impairs embryo development and survival in black bream (*Acanthopagrus butcheri*)', in *Marine Pollution Bulletin*, 57 (6-12), 302 - 306
- Hassell, K., Coutin, P. & Nugegoda, D. (2008). 'Hypoxia, low salinity and lowered temperature reduce embryo survival and hatch rates in black bream *Acanthopagrus butcheri* (Munro, 1949)', in *Journal of Fish Biology*, 72 (7), 1623 - 1636
- Hau, R., Morrison, P., Small, D. & Marriott, P. (2008). 'Investigation of folic acid stability in fortified instant noodles by use of capillary electrophoresis and reversed-phase high performance liquid chromatography', in *Journal of Chromatography A*, 1213 (1), 93 - 99
- Henry, D., Varano, A. & Yarovsky, I. (2008). 'Performance of numerical basis set DFT for aluminum clusters', in *Journal of Physical Chemistry A*, 112 (40), 9835 - 9844
- Hickey, G., Kefford, B., Dunlop, J. & Craig, P. (2008). 'Making species salinity sensitivity distributions reflective of naturally occurring communities: Using rapid testing and Bayesian statistics', in *Environmental Toxicology and Chemistry*, 27 (11), 2403 - 2411
- Holden, J., Coloe, P. & Smooker, P. (2008). 'An evaluation of the immunogenicity and protective responses to *Brachyspira hyodysenteriae* recombinant SmpB vaccination', in *Veterinary Microbiology*, 128 (3-4), 354 - 363
- Holdway, D. & Smith, A. (2008). 'Multigeneration assessment of nonylphenol and endosulfan using a model Australian freshwater fish, *Melanotaenia fluviatilis*', in *Environmental Toxicology*, 23 (2), 253 - 262
- Hugel, H. (2008). 'Synergy science: Solaran and bioeffectives', in *Chemistry in Australia*, 74 (3), 4 - 9
- Hugel, H. (2008). 'Parasite paradise - antimalarials: Between health and a hard place', in *Chemistry in Australia*, 75 (8), 7 - 10
- Hugel, H., Drevermann, B., Lingham, A. & Marriott, P. (2008). 'Marine fragrance chemistry', in *Chemistry and Biodiversity*, 5 (6), 1034 - 1044
- Hult, M., Gasparro, J., Lindahl, P., Marissens, G., Fessler, A. & Johnston, P. (2008). 'On the use of mercury as a means of locating background sources in ultra low background HPGe detector systems', in *Applied Radiation and Isotopes*, 66 (6-7), 829 - 834
- Hung, A., Griffin, M., Howlett, G. & Yarovsky, I. (2008). 'Effects of oxidation, pH and lipids on amyloidogenic peptide structure: Implications for fibril formation?' in *European Biophysics Journal*, 38, 99 - 110
- Istivan, T., Smith, S., Fry, B. & Coloe, P. (2008). 'Characterization of *Campylobacter concisus* hemolysins', in *Fems Immunology and Medical Microbiology*, 54 (2), 224 - 235
- Jacob, R., Tate, M., Rix, C. & Mainwaring, D. (2008). 'Synthesis, characterization, and ab initio theoretical study of a molecularly imprinted polymer selective for biosensor materials', in *Journal of Physical Chemistry A*, 112 (2), 322 - 331
- Jafarpour Khozaghi, S. & Gorczyca, E. (2008). 'Alternative techniques for producing a quality surimi and kamaboko from common carp (*Cyprinus carpio*)', in *Journal of Food Science*, 73 (9), 415 - 424
- Jafarpour Khozaghi, S., Sherkat, F., Leonard, B. & Gorczyca, E. (2008). 'Colour improvement of common carp (*Cyprinus carpio*) fillets by hydrogen peroxide for surimi production', in *International Journal of Food Science and Technology*, 43, 1602 - 1609
- Jakubov, T. & Mainwaring, D. (2008). 'Direct calculations of the dispersion interaction between fullerenes and their equation for the potential energy', in *Adsorption*, 14 (4-5), 727 - 732

- Jani, H., Bhargava, S., Tardio, J., Akolekar, D. & Hoang, M. (2008). 'Catalytic wet oxidation of ferulic acid', in *International Journal of Environmental Technology and Management*, 9 (1), 87 - 96
- Jeebhay, M., Robins, T., Miller, M., Bateman, E., Smuts, M., Baatjies, R. & Lopata, A. (2008). 'Occupational allergy and asthma among salt water fish processing workers', in *American Journal of Industrial Medicine*, 51, 899 - 910
- Kantam, M., Chakravarti, R., Chintareddy, V., Sreedhar, B. & Bhargava, S. (2008). 'Palladium-catalyzed heck coupling-hydrogenation: Highly efficient one-pot synthesis of dibenzyls and alkyl phenyl esters', in *Advanced Synthesis and Catalysis*, 350, 2544 - 2550
- Kantam, M., Chakravarti, R., Pal, U., Sreedhar, B. & Bhargava, S. (2008). 'Nanocrystalline magnesium oxide-stabilized palladium(0): An efficient and reusable catalyst for selective reduction of nitro compounds', in *Advanced Synthesis and Catalysis*, 350, 822 - 827
- Kantam, M., Chakravarti, R., Sreedhar, B. & Bhargava, S. (2008). 'Friedel-crafts alkylation of nitrogen heterocycles using [Bmim] [OTf] as a catalyst and reaction medium', in *Synlett*, 19 (10), 1449 - 1454
- Kantam, M., Laha, S., Yadav, J. & Bhargava, S. (2008). 'An efficient synthesis of propargylamines via three-component coupling of aldehydes, amines and alkynes catalyzed by nanocrystalline copper(II) oxide', in *Tetrahedron Letters*, 49 (19), 3083 - 3086
- Kantam, M., Laha, S., Yadav, J., Likhar, P., Sreedhar, B., Jha, S., Bhargava, S., Udayakiran, M. & Jagadessh, B. (2008). 'An efficient copper-aluminum hydrotalcite catalyst for asymmetric hydrosilylation of ketones at room temperature', in *Organic Letters*, 10 (14), 2979 - 2982
- Kantam, M., Pal, U., Sreedhar, B., Bhargava, S., Iwasawa, Y., Tada, M. & Choudary, B. (2008). 'Aerobic alcohol oxidation by ruthenium species stabilized on nanocrystalline magnesium oxide by basic ionic liquids', in *Advanced Synthesis and Catalysis*, 350 (9), 1225 - 1229
- Kantam, M., Reddy, S., Pal, U., Sreedhar, B. & Bhargava, S. (2008). 'Transfer hydrogenation of carbonyl compounds catalyzed by ruthenium nanoparticles stabilized on nanocrystalline magnesium oxide by ionic liquids', in *Advanced Synthesis and Catalysis*, 350, 2231 - 2235
- Kantam, M., Yadav, J., Laha, S., Sreedhar, B. & Bhargava, S. (2008). 'Nanocrystalline magnesium oxide-stabilized molybdenum: An efficient heterogeneous catalyst for aerobic oxidation of alcohols to carbonyl compounds', in *Advanced Synthesis and Catalysis*, 350, 2575 - 2582
- Kefford, B., Zalizniak, L., Warne, M. & Nuggeoda, D. (2008). 'Is the integration of hormesis and essentiality into ecotoxicology now opening Pandora's Box?' in *Environmental Pollution*, 151 (3), 516 - 523
- Khummueng, W., Morrison, P. & Marriott, P. (2008). 'Dual NPD/ECD detection in comprehensive two-dimensional gas chromatography for multiclass pesticide analysis', in *Journal of Separation Science*, 31, 3404 - 3415
- Kirwan, G. & Adams, M. (2008). 'Peak width issues with generalised 2D correlation NMR spectroscopy', in *Journal of Molecular Structure*, 892 (1-3), 225 - 229
- Kirwan, G., Clark, S., Barnett, N., Niere, J. & Adams, M. (2008). 'Generalised 2D-correlation NMR analysis of a wine fermentation', in *Analytica Chimica Acta*, 629 (1-2), 128 - 135
- Kowalczyk, P. & Holyst, R. (2008). 'Efficient adsorption of super greenhouse gas (Tetrafluoromethane) in carbon nanotubes', in *Environmental Science and Technology*, 42 (8), 2931 - 2936
- Kowalczyk, P., Ciach, A. & Neimark, A. (2008). 'Adsorption-induced deformation of microporous carbons: Pore size distribution effect', in *Langmuir*, 24 (13), 6603 - 6608
- Kowalczyk, P., Gauden, P. & Terzyk, A. (2008). 'Cryogenic separation of hydrogen isotopes in single-walled carbon and boron-nitride nanotubes: Insight into the mechanism of equilibrium quantum sieving in quasi-one-dimensional pores', in *Journal of Physical Chemistry B*, 112 (28), 8275 - 8284
- Lau, D., McCulloch, D., Taylor, M., Partridge, J., McKenzie, D., Marks, N., Teo, E. & Tay, B. (2008). 'Abrupt stress induced transformation in amorphous carbon films with a highly conductive transition phase', in *Physical Review Letters*, 100 (17), 1 - 4

- Let, A., Mainwaring, D., Rix, C. & Murugaraj, P. (2008). 'Thio sol-gel synthesis of titanium disulfide thin films and powders using titanium alkoxide precursors', in *Journal of Non-Crystalline Solids*, 354 (15-16), 1801 - 1807
- Lopata, A. (2008). 'Basophil activation assays', in *Current Allergy and Clinical Immunology*, 21, 146 - 147
- Lu, C., Buddhadasa, S., Barone, S. & Bramwell, P. (2008). 'Determination of para-dichlorobenzene residues in honey by purge and trap with GCMSD', in *International Food Research Journal*, 15 (3), 281 - 286
- MacNae, J., Ley-Cooper, Y. & Davis, A. (2008). 'HEM calibration and bird-swing correction: An insular example', in *SEG Technical Program Expanded Abstracts*, 27, 1318 - 1322
- Macreadie, I., Lotfi-Miri, M., Mohotti, S., Shapira, D., Bennett, L. & Varghese, J. (2008). 'Validation of folate in a convenient yeast assay suited for identification of inhibitors of Alzheimer's amyloid-beta aggregation', in *Journal of Alzheimer's Disease*, 15 (3), 391 - 396
- Mainwaring, D., Murugaraj, P., Mora Huertas, N. & Sethupathi, K. (2008). 'Enhanced electromechanical response of nonpercolating polymer-nanoparticle composite films', in *Applied Physics Letters*, 92 (25), 253303-1 - 253303-3
- Mann, N. (2008). 'Measuring the glycemic index of foods: Interlaboratory study 1-5', in *American Journal of clinical Nutrition*, 87, 247S - 257S
- Mann, N., Smith, R., Braue, A. & Varigos, G. (2008). 'The effect of a low glycemic load diet on acne vulgaris and the fatty acid composition of skin surface triglycerides', in *Journal of Dermatological Science*, 50, 41 - 52
- Mann, N., Smith, R., Makelainen, H., Roper, J., Braue, A. & Varigos, G. (2008). 'A pilot study to determine the short-term effects of a low glycemic load diet on hormonal markers of acne: A nonrandomized, parallel, controlled feeding trial', in *Molecular Nutrition & Food Research*, 52, 718 - 726
- Martinez, V., Bryant, G. & Van Megen, W. (2008). 'Slow dynamics and aging of a colloidal hard sphere glass', in *Physical Review Letters*, 101, 135702-1 - 135702-4
- Mateus, E., Gomes da Silva, M., Ribeiro, A. & Marriott, P. (2008). 'Qualitative mass spectrometric analysis of the volatile fraction of creosote-treated railway wood sleepers by using comprehensive two-dimensional gas chromatography', in *Journal of Chromatography A*, 1178 (1-2), 215 - 222
- May, B., Xue, C., Yang, W., Zhang, A., Owens, M., Cobiac, L., Head, R., Li, C., Hugel, H. & Story, D. (2008). 'Herbal medicine for dementia: A systematic review', in *Phytotherapy Research*, , 1 - 13
- May, B., Yang, W., Zhang, A., Owens, M., Bennett, L., Head, R., Cobiac, L., Li, C., Hugel, H. & Story, D. (2008). 'Chinese herbal medicine for mild cognitive impairment and age associated memory impairment: A review of randomised controlled trials', in *Biogerontology*, 10 (2), 109 - 123
- Meehan, B. & Thomas, I. (2008). 'University education for sustainability: Projects, problems and professionalism', in *Sustainability - The Journal of Record*, 1 (2), 124 - 129
- Meehan, B., Thomas, I. & Turner-Walker, S. (2008). 'Work integrated learning for tertiary environmental students: Professional preparation through international project work', in *Journal of Cooperative Education and Internships*, 42 (1), 1 - 10
- Mitrevski, B., Brenna, T., Zhang, Y. & Marriott, P. (2008). 'Application of comprehensive two-dimensional gas chromatography to sterols analysis', in *Journal of Chromatography A*, 1214 (1-2), 134 - 142
- Murugaraj, P., Mora-Huertas, N., Mainwaring, D., Ding, Y. & Agrawal, S. (2008). 'Influence of thermal stresses on electron transport in carbon-polymer nanocomposite films', in *Composites Part A: Applied Science and Manufacturing*, 39 (2), 308 - 313
- Navidad, P., Li, H., Mankertz, A. & Meehan, B. (2008). 'Rolling-circle amplification for the detection of active porcine circovirus type 2 DNA replication in vitro', in *Journal of Virological Methods*, 152 (1-2), 112 - 116
- Obendorf, P., Oxnard, C. & Kefford, B. (2008). 'Are the small human-like fossils found on Flores human endemic cretins?', in *Royal Society of London Proceedings Biological*, 275, 1287 - 1296
- Opletal, G., Petersen, T., O'Malley, B., Snook, I., McCulloch, D. & Yarovsky, I. (2008). 'HRMC: Hybrid reverse Monte Carlo method with silicon and carbon potentials', in *Computer Physics Communications*, 178, 777 - 787

- Palmeri, G., Turchini, G., Keast, R., Marriott, P., Morrison, P. & de Silva, S. (2008). 'Effects of starvation and water quality on the purging process of farmed Murray cod (*Maccullochella peelii peelii*)', in *Journal of Agricultural and Food Chemistry*, 56 (19), 9037 - 9045
- Pannirselvam, M., Genovese, A., Jollands, M., Bhattacharya, S. & Shanks, R. (2008). 'Oxygen barrier property of polypropylene-polyether treated clay nanocomposite', in *Express Polymer Letters*, 2 (6), 429 - 439
- Partridge, J., Field, M., Peng, J., Sadek, A., Kalantar Zadeh, K., Du Plessis, J. & McCulloch, D. (2008). 'Nanostructured SnO₂ films prepared from evaporated Sn and their application as gas sensors', in *Nanotechnology*, 19 (12), 1 - 5
- Paseephol, T., Small, D. & Sherkat, F. (2008). 'Rheology and texture of set yogurt as affected by inulin addition', in *Journal of Texture Studies*, 39, 617 - 634
- Paseephol, T., Small, D. & Sherkat, F. (2008). 'Lactulose production from milk concentration permeate using calcium carbonate-based catalysts', in *Food Chemistry*, 111, 283 - 290
- Per, M., Russo, S. & Snook, I. (2008). 'Electron-nucleus cusp correction and forces in quantum Monte Carlo', in *Journal of Chemical Physics*, 128 (11), 114106-1 - 114106-6
- Quod, M., Martin, D., Laursen, P., Gardner, A., Halson, S., Marino, F., Tate, M., Mainwaring, D., Gore, C. & Hahn, A. (2008). 'Practical precooling: Effect on cycling time trial performance in warm conditions', in *Journal of Sports Sciences*, 26 (14), 1477 - 1487
- Ragusa, C., Alimboyoguen, A., Urban, S. & Raga, D. (2008). 'A bioactive diterpene from *Smilax sonchifolius*', in *Natural Product Communications*, 3 (10), 1663 - 1666
- Reddy, M., Deighton, M., Gupta, R., Bhattacharaya, S. & Pathasarthy, R. (2008). 'Biodegradation of oxo-biodegradable polyethylene', in *Journal of Applied Polymer Science*, 111 (3), 1426 - 1432
- Reddy, P. & Urban, S. (2008). 'Linear and cyclic C-18 terpenoids from the Southern Australian marine brown alga *Cystophora moniliformis*', in *Journal of Natural Products*, 71 (8), 1441 - 1446
- Rosenkrantz, R., Pollino, C., Nugegoda, D. & Baun, A. (2008). 'Toxicity of water and sediment from stormwater retarding basins to *Hydra hexactinella*', in *Environmental Pollution*, 156 (3), 922 - 927
- Russo, S., Grey, I. & Wilson, N. (2008). 'Nitrogen/hydrogen codoping of anatase: A DFT study', in *Journal of Physical Chemistry C*, 112 (20), 7653 - 7664
- Sdraulig, S., Franich, R., Tinker, R., Solomon, S., O'Brien, R. & Johnston, P. (2008). 'In vitro dissolution studies of uranium bearing material in simulated lung fluid', in *Journal of Environmental Radioactivity*, 99 (3), 527 - 538
- Shamsi, K., Versteeg, C., Wan, J. & Sherkat, F. (2008). 'Alkaline phosphatase and microbial inactivation by pulsed electric field in bovine milk', in *Innovative Food Science and Emerging Technologies*, 9 (2), 217 - 223
- Sharma, M., Pollard, J., Mendez, A., Mills, D., O'Byrne, J., Scott, D., Hagon, S., Gribble, J., Kirkup, L., Livett, M., Merchant, A., Rayner, A., Swan, G., Zadnik, M. & Zealey, W. (2008). 'What does a physics undergraduate education give you? A perspective from Australian physics', in *European Journal of Physics*, 29 (1), 59 - 72
- Shen, Y., Li, C., Zhou, S., Pang, E., Story, D. & Xue, C. (2008). 'Chemistry and bioactivity of *Flos Magnoliae*, a Chinese herb for rhinitis and sinusitis', in *Current Medicinal Chemistry*, 15 (16), 1616 - 1627
- Shen, Y., Pang, E., Xue, C., Zhao, Z., Lin, J., Lin, J. & Li, C. (2008). 'Inhibitions of mast cell-derived histamine release by different *Flos Magnoliae* species in rat peritoneal mast cells', in *Phytomedicine*, 15, 808 - 814
- Sibbel, A. (2008). 'Dietary fibre in human nutrition: the problem of providing nutrition advice', in *British Food Journal*, 110 (2), 236 - 248
- Snook, I., Davis, P. & Kairn, T. (2008). 'The flow of colloids and polymers in channels simulated using non-equilibrium molecular dynamics', in *Journal of Physics: Condensed Matter*, 20, 1 - 8
- Snook, I., Per, M. & Russo, S. (2008). 'An analysis of the correlation energy contribution to the interaction energy of inert gas dimers', in *Journal of Chemical Physics*, 129 (16), 1 - 1

- Song, S., Mitrevski, B. & Marriott, P. (2008). 'Chemical fingerprinting of illicit drug seizures - 2D profiling using novel GC methods', in *Chemistry in Australia*, 75 (April), 20 - 22
- Spencer, M., Todorova, N. & Yarovsky, I. (2008). 'Ab initio molecular dynamics study of H₂S dissociation on Fe (100) surface', in *Surface Science*, 602, 1547 - 1553
- Spencer, M., Todorova, N. & Yarovsky, I. (2008). 'H₂S dissociation on the Fe(100) surface: An ab initio molecular dynamics study', in *Surface Science*, 602, 1546 - 1553
- Springall, R., Per, M., Russo, S. & Snook, I. (2008). 'Quantum Monte Carlo calculations of the potential energy curve of the helium dimer', in *Journal of Chemical Physics*, 128 (11), 114308-1 - 114308-4
- Stevenson, T. & McKenzie, B. (2008). 'A green solution for Ethanol production', in *Microbiology Australia*, 29 (1), 28 - 29
- Subic, A., Clifton, P. & Beneyto-Ferre, J. (2008). 'Identification of innovation opportunities for snowboard design through benchmarking', in *Sports Technology*, 1 (1), 65 - 75
- Tan, J., Cooke, J., Clarke, N. & Tannock, G. (2008). 'Optimization of methods for the isolation of Marek's disease viruses in primary chicken cell cultures', in *Journal of Virological Methods*, 147 (2), 312 - 318
- Tate, M., Forster, D. & Mainwaring, D. (2008). 'Influence of garment design on elite athlete cooling', in *Sports Technology*, 1 (2,3), 117 - 124
- Taylor, M., Franich, R., Trapp, J. & Johnston, P. (2008). 'The effective atomic number of dosimetric gels', in *Australasian Physical and Engineering Sciences in Medicine*, 31 (2), 131 - 138
- Terzyk, A., Gauden, P., Furmaniak, S. & Kowalczyk, P. (2008). 'Heterogeneity on high-resolution alpha(s) plots for carbon nanotubes - GCMC study', in *Physical Chemistry Chemical Physics*, 10 (31), 4551 - 4554
- Tiyapongpattana, W., Wilairat, P. & Marriott, P. (2008). 'Characterization of biodiesel and biodiesel blends using comprehensive two-dimensional gas chromatography', in *Journal of Separation Science*, 31 (14), 2640 - 2649
- Todd, B., Hansen, J. & Daivis, P. (2008). 'Nonlocal shear stress for homogeneous fluids', in *Physical Review Letters*, 100 (19), 1 - 4
- Todorova, N., Legge, F., Treutlein, H. & Yarovsky, I. (2008). 'Systematic comparison of empirical forcefields for molecular dynamic simulation of insulin', in *Journal of Physical Chemistry B*, 112 (35), 11137 - 11146
- Tomita, T., Meehan, B., Wongkattiya, N., Malo, J., Pullinger, G., Leigh, J. & Deighton, M. (2008). 'Identification of *Streptococcus uberis* multilocus sequence types highly associated with mastitis', in *Applied and Environmental Microbiology*, 74 (1), 114 - 124
- Tran, T. & Marriott, P. (2008). 'Comprehensive two-dimensional gas chromatography - time-of-flight mass spectrometry and simultaneous electron capture detection/nitrogen phosphorous detection for incense analysis', in *Atmospheric Environment*, 42 (32), 7360 - 7372
- Van, T., Chin, J., Chapman, T., Thuoc, T. & Coloe, P. (2008). 'Safety of raw meat and shellfish in Vietnam: An analysis of *Escherichia coli* isolations for antibiotic resistance and virulence genes', in *International Journal of Food Microbiology*, 124, 217 - 223
- Venkatachalam, D., Sood, D. & Bhargava, S. (2008). 'Spiral patterns of gold nanoclusters in silicon(100) produced by metal vapour vacuum arc implantation of gold ions', in *Nanotechnology*, 19 (1), 1 - 8
- von Muhlen, C., Zini, C., Caramao, E. & Marriott, P. (2008). 'Comparative study of *Eucalyptus dunnii* volatile oil composition using retention indices and comprehensive two-dimensional gas chromatography coupled to time-of-flight and quadrupole mass spectrometry', in *Journal of Chromatography A*, 1200, 34 - 42
- Williams, K. & Robinson, N. (2008). 'Design of a versatile and low cost u volt level A to D conversion system for use in medical instrumentation applications', in *Eurasip Journal on Advances in Signal Processing*, 2008, 1 - 6
- Williams, S., Royall, P. & Bryant, G. (2008). 'Crystallization of dense binary hard-sphere mixtures with marginal size ratio', in *Physical Review Letters*, 100, 225502-1 - 225505-4

- Wilson, D., Wilson, N., Snook, I. & Russo, S. (2008). 'The magnetic properties of CoPt, bulk and ultra-thin films: An ab initio study', in *Journal of Computational and Theoretical Nanoscience*, 5 (1), 44 - 47
- Wong, S. & Shanks, R. (2008). 'Creep behaviour of biopolymers and modified flax fibre composites', in *Composite Interfaces*, 15 (2-3), 131 - 145
- Yiapanis, G., Henry, D., Evans, E. & Yarovsky, I. (2008). 'Molecular dynamics study of polyester surfaces and fullerene particles in aqueous environment', in *Journal of Physical Chemistry C*, 112 (46), 18141 - 18149
- Yusen, L., MacNae, J. & Tweed, S. (2008). 'Estimating subsurface porosity and salt loads using airborne geophysical data', in *Near Surface Geophysics*, 6 (1), 31 - 37

Conference Proceedings

- Baguant, J., Adair, R. & Lawrie, A. (2008). 'Infection processes of *Septocytia ruborum*, a coelomycetous fungus with potential for biological control of European Blackberry in Australia', *Proceedings of the 16th Australian Weeds Conference*, R.D. van Klinken, V.A. Osten, F.D. Panetta, J.C. Scanlan (ed.), 16th Australian Weeds Conference
- Beshah, F., Porter, N., Meehan, B. & Wrigley, R. (2008). 'Effect of biosolid application on the level of total nitrogen and extractable phosphorus in plants and amended clay loam soil in a field experiment at Surbiton Park, Victoria', *Biosolids Speciality Conference IV*, AWA (ed.), Biosolids Speciality Conference IV
- Bilus Abaffy, N., Evans, P., Triani, G. & McCulloch, D. (2008). 'Multilayer alumina and titania optical coatings prepared by atomic layer deposition', *Proceedings of SPIE, Vol. 7041*, Bolko von Roedern, Alan E. Delahoy (ed.), Photovoltaic Cell and Module Technologies II
- Bilus Abaffy, N., Partridge, J. & McCulloch, D. (2008). 'Antireflective trilayer films fabricated using a filtered cathodic vacuum arc', *Proceedings of SPIE, Vol. 7045*, A.E. Delahoy (ed.), Photovoltaic Cell and Module Technologies II
- Bui, L. & Small, D. (2008). 'The analysis of vitamin B6 in flour and the stability of pyridoxine added to Asian noodles', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference
- Chowdhury, H., Alam, F., Mainwaring, D., Subic, A., Tate, M. & Forster, D. (2008). 'Aerodynamic testing methodology for sports garments', *Proceedings of the 4th BSME-ASME International Conference on Thermal Engineering*, Prof A.K.M. Sadrul Islam, Prof Toshiaki Setoguchi, Prof M. Ruhul Amin, Dr. Sekhar Majumdar, Dr. Firoz Alam, Dr. Mehrdad T. Manzari (ed.), 4th BSME-ASME International Conference on Thermal Engineering
- Choy, A., Hughes, J. & Small, D. (2008). 'Influence of microbial transglutaminase (MTGase), emulsifier and water on instant noodle quality', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference
- Clarke, B., Porter, N., Blackbeard, J., Symons, R., Ades, P. & Marriott, P. (2008). 'Persistent organic pollutants in Australian biosolids', *Biosolids Speciality Conference IV*, AWA (ed.), Biosolids Speciality Conference IV
- Davy, J. (2008). 'Comparison of theoretical and experimental results for the directivity of panels and openings', *Acoustics 2008, Acoustics and Sustainability: How Should Acoustics Adapt to Meet Future Demands? Proceedings of the Annual Conference of the Australian Acoustical Society*, McMinn T (ed.), Acoustics 2008, Acoustics and Sustainability: How Should Acoustics Adapt to Meet Future Demands? The Annual Conference of the Australian Acoustical Society
- Ding, Y., Tran, K., Gear, J., Mainwaring, D. & Murugaraj, P. (2008). 'The influence of interphase between nanoparticles and matrix on Young's modulus of nanocomposite', *Proceedings of International Conference on Nanoscience and Nanotechnology. ICONN 2008*, Paul Mulvaney, Abid Khan (ed.), International Conference on Nanoscience and Nanotechnology. ICONN 2008
- Draganski, M., Fairchild, B., Alves, A., Finkman, E., Orwa, J., Rubanov, S., Gibson, B., Ganesan, K., Spizziri, P., Greentree, A., Johnston, P., Jamieson, D. & Praver, S. (2008). 'The refractive index of ion implanted diamond', *18th Biennial Congress of the Australian Institute of Physics*, Laurence Campbell (ed.), 18th Biennial Congress of the Australian Institute of Physics

- Elis, ..., Morrison, P., Marriott, P. & Small, D. (2008). 'The total selenium contents of breakfast cereals and Asian noodles', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference
- Francis, P., Small, D. & Al-Widyan, O. (2008). 'Application of environmental scanning electron microscopy to studies of Asian noodle products', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, J.F. Panozzo, C.K. Black (ed.), The 58th Australian Cereal Chemistry Conference
- Frost, K., Lascaris, E., Gunaratne, W., Rengarajan, B. & Shanks, R. (2008). 'Crystallinity and structures of starch using wide angle X-ray scattering', *2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scale, ICBC 2008*, Sabu, T (ed.), 2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scale
- Genovese, A., Al-Hassany, Z. & Shanks, R. (2008). 'Cone calorimetry and condensed phase structural changes in flame retardant butyl acrylate methyl methacrylate copolymer composites', *The Polymer Processing Society 24th Annual Meeting*, Titomanlio, G (ed.), The Polymer Processing Society 24th Annual Meeting
- Genovese, A., Habsuda, J., Simon, G., Shanks, R., Khemani, K., McCaffrey, N. & Srbnovski, B. (2008). 'Moisture sorption characteristics of thermoplastic starch; a thermogravimetric evaluation on the dependence of water activity', *The Polymer Processing Society 24th Annual Meeting*, Titomanlio, G (ed.), The Polymer Processing Society 24th Annual Meeting
- Genovese, A., Kaminski, D., Rahaman, M. & Shanks, R. (2008). 'Morphology and modulated force - Thermomechanical mastercurves of polypropylene-bentonite nanocomposites', *32nd Condensed Matter and Materials Meeting*, Cortie, M (ed.), 32nd Condensed Matter and Materials Meeting
- Genovese, A., Spoljaric, S. & Shanks, R. (2008). 'Crystalline polymorphism in polypropylene-copolymer nanocomposites', *The Polymer Processing Society 24th Annual Meeting*, Titomanlio, G (ed.), The Polymer Processing Society 24th Annual Meeting
- Genovese, A., Spoljaric, S. & Shanks, R. (2008). 'Polypropylene composites reinforced with surface treated microcrystalline cellulose: enhanced compatibility and creep resistance', *The Polymer Processing Society 24th Annual Meeting*, Titomanlio, G (ed.), The Polymer Processing Society 24th Annual Meeting
- Goh, S., Hau, R., AL-Widyan, O. & Small, D. (2008). 'Strategies for enhancing folic acid retention in cereal foods', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference
- Goulding, R., Jayasuriya, N., Horan, E. & Nugegoda, D. (2008). 'Metals in waterways following wet weather sewer spills', *Enviro 08 Conference*, Clare Porter, Ian Coles, Jenny Pickles (ed.), Enviro 08
- Gunaratne, W., Rengarajan, B. & Shanks, R. (2008). 'Melting behaviour of poly (3-hydroxyburate) using various differential scanning calorimetry methods', *2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales, ICBC 2008*, Sabu, T (ed.), 2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales
- Gunaratne, W., Rengarajan, B. & Shanks, R. (2008). 'Thermal characterisation of maize starch by modulated temperature differential scanning calorimetry', *2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales, ICBC 2008*, Thomas S (ed.), 2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales
- Hau, R., Small, D. & Bui, L. (2008). 'Current research on the analysis of folic acid and folate in cereal foods', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference
- Huang, H., Rengarajan, B. & Shanks, R. (2008). 'Thermomechanical properties of polypropylene-polysiloxane blends', *2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales, ICBC 2008*, Thomas, S (ed.), 2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales
- Hussein, A., Tardio, J. & Bhargava, S. (2008). 'Synthesis and dissolution studies of brannerite, a uranium containing mineral', *Chemeca2008 Proceedings*, Kevin Galvin, Graeme Jameson (ed.), Chemeca2008

- Kaminski, D. & Shanks, R. (2008). 'Relaxation models applied to modulated force thermomechanometry of a silica filled flexible polymer', *32nd Condensed Matter and Materials Meeting*, Cortie M (ed.), 32nd Condensed Matter and Materials Meeting
- Kaminski, D. & Shanks, R. (2008). 'Static creep and recovery of filled elastomers using thermomechanometry', *32nd Condensed Matter and Materials Meeting*, Cortie, M (ed.), 32nd Condensed Matter and Materials Meeting
- Kaminski, D., Genovese, A. & Shanks, R. (2008). 'Dynamic mechanical properties of elastomeric poly(ethylene-co-methyl acrylate)-silica nanocomposites', *The Polymer Processing Society 24th Annual Meeting*, Titomanlio, G (ed.), The Polymer Processing Society 24th Annual Meeting
- Kaminski, D., Rengarajan, B. & Shanks, R. (2008). 'Shift factor models applied to modulated force thermomechanometry of silica filled thermoplastic polyurethanes', *2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales, ICBC 2008*, Thomas S (ed.), 2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales
- Kawila, N., Marriott, P., Small, D. & Tian, S. (2008). 'Extraction and analysis approaches for HPLC determination of niacin in Asian noodles', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference
- Kawila, N., Small, D., Marriott, P. & Tian, S. (2008). 'Stability and retention of niacin vitamers in instant Asian noodles', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference
- Lee, H., Latham, K., Antolasic, F. & Small, D. (2008). 'A comparison of the X-ray diffraction patterns of starches from pulse grains', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference
- Mathisa Thevar ramasamy Thevar, S., McLaren, D., Pritchard, G., Officer, D., Bonella, J., Preston, C. & Lawrie, A. (2008). '2,2-DPA resistance in Giant Parramatta Grass (*Sporobolus fertilis*)', *Proceedings of the 16th Australian Weeds Conference*, R.D. van Klinken, V.A. Osten, F.D. Panetta, J.C. Scanlan (ed.), 16th Australian Weeds Conference
- Mathisa Thevar ramasamy Thevar, S., Pritchard, G., McLaren, D., Bonella, J., Preston, C. & Lawrie, A. (2008). 'Field survey of flupropanate-resistant *Nassella trichotoma* in Victoria', *Proceedings of the 16th Australian Weeds Conference*, R.D. van Klinken, V.A. Osten, F.D. Panetta, J.C. Scanlan (ed.), 16th Australian Weeds Conference
- Meizler, A., Roddick, F. & Porter, N. (2008). 'A comparative study of enhanced photo-oxidation by adsorption of polymeric phenolic groups', *Enviro 08 Proceedings*, Corinne Cheesman (ed.), Australasia's Environmental and Sustainability Conference and Exhibition
- Moafi, A., Wong, K., Lau, D., Partridge, J. & McCulloch, D. (2008). 'Oriented graphene films for use as high performance thermal and electrical interconnects', *Proceedings of SPIE, Vol. 7267*, N.H. Voelcker, H.W. Thissen (ed.), Smart Materials V
- Pannirselvam, M., Rengarajan, B., Genovese, A., Antolasic, F., Gupta, R., Chryss, A., Jollands, M., Bhattacharya, S. & Shanks, R. (2008). 'Effect of polyether treated clay on the rheological properties of polypropylene nanocomposite', *2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales, ICBC 2008*, Sabu, T (ed.), 2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales
- Rengarajan, B. & Shanks, R. (2008). 'Preparation and morphology of polypropylene - multi-walled carbon nanotube nanocomposites', *Second International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales, ICBC 2008*, Thomas, S (ed.), Second International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales, ICBC 2008
- Sabri, Y., Ippolito, S., Tardio, J., Sood, D. & Bhargava, S. (2008). 'Electro-deposition of gold nano-structures on gold Quartz Crystal Microbalance (QCM) electrodes for enhanced mercury vapour sensitivity in the presence of interferent gasses', *Proceedings of ICONN 2008*, Paul Mulvaney, Abid Khan (ed.), 2008 International Conference on Nanoscience and Nanotechnology
- Sabri, Y., Ippolito, S., Tardio, J., Sood, D., Bhargava, S., Mullett, M., Harrison, I. & Rosenberg, S. (2008). 'Humidity and ammonia interference study for modified and non-modified gold based mercury vapour senses for alumina

refineries', *Proceedings - 8th International Alumina Quality Workshop*, Armstrong, L (ed.), 8th International Alumina Quality Workshop

Sanyoto, C., Wijaya, M. & Small, D. (2008). 'The analysis and stability of ascorbic acid added to instant Asian noodles', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference

Shafiei, M., Sadek, A., Yu, J., Arsat, R., Kalantar Zadeh, K., Yu, X., Partridge, J. & Wlodarski, W. (2008). 'Pt/adonized TiO₂/SiC based MOS device for hydrocarbon sensing', *Smart Structures, Devices and Systems IV (Proceedings Volume)*, Said F. Al-Sarawi, Vijay K. Varadan, Neil Weste, Kourosh Kalantar-Zadeh (ed.), 2008 SPIE International Symposium on Smart Materials, Nano+Micro-Smart Materials

Sharma, J., Jollands, M., Small, D. & Doig, S. (2008). 'The thermal properties of starch extracted from Amaro rice', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference

Sivan, V., Bui, L., Venkatachalam, D., Bhargava, S., Priest, T., Holland, A. & Mitchell, A. (2008). 'Etching lithium niobate during Ti diffusion process', *Devise and Process Technologies for Microelectronics, MEMS, Photonics, and Nanotechnology IV (Proceedings Volume)*, hark Hoe Tan, Jung-Chih Chiao, Lorenzo Faraone, Chennupati Jagadish, Jim Williams, Alan R. Wilson (ed.), 2008 SPIE International Symposium on Smart Materials, Nano+Micro-Smart Materials

Solarska, S., Roddick, F. & Lawrie, A. (2008). 'Application of *Trametes* sp. for the treatment of concentrated aquatic natural organic matter', *Enviro 08 Proceedings*, Corinne Cheesman (ed.), Australia's Environmental and Sustainability Conference and Exhibition

Tardio, J., Dong, S., Loh, J., Power, G., Vernon, C. & Bhargava, S. (2008). 'Co-oxidation of refractory Bater organics using sodium malonate derivatives and wet air oxidation', *Proceedings - 8th International Alumina Quality Workshop*, Armstrong, L (ed.), 8th International Alumina Quality Workshop

Teo, M. & Small, D. (2008). 'Enhancing thiamin stability in cereal grain foods using microencapsulation', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference

Teoh, J., Morrison, P., Wijaya, M., Kawila, N., Sanyoto, C. & Small, D. (2008). 'A comparative evaluation of procedures for analysis of ascorbic acid', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference

Widjaya, C., Cato, L. & Small, D. (2008). 'A study of fungal lipase and alkaline salts on the quality of instant Asian style noodles', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference

Wijaya, M., Small, D. & Bui, L. (2008). 'The stability of ascorbic acid encapsulated with various hydrocolloid agents stored at different temperatures', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference

Zhang, C., Sadek, A., Breedon, M., Ippolito, S., Wlodarski, W., Truman, T. & Kalantar Zadeh, K. (2008). 'Conductometric sensor based on nanostructured titanium oxide thin film deposited on polyimide substrate with dissimilar metallic electrodes', *Proceedings of the 2008 International Conference on Nanoscience and Nanotechnology (ICONN2008)*, Paul Mulvaney, Abid Khan (ed.), 2008 International Conference on Nanoscience and Nanotechnology (ICONN2008)

Civil, Environmental and Chemical Engineering

Book Chapters

Bhattacharya, S. & Pannirselvam, M. (2008). 'Rheology of Rubber and Rubber Nanocomposites', in *Current topics in Elastomers Research*. CRC Press, Florida, USA, 775 - 800, ISBN: 978-0-8493-7317-6

Sharabah, A., Setunge, S., Godau, R. & Karagiannis, C. (2008). 'Effective condition monitoring and assessment for more sophisticated asset management systems', in *Clients driving construction innovation - benefiting from innovation*. Icon.net Pty Ltd, Brisbane, Australia, 174 - 181, ISBN: 978-1-74107-156-6

Venkatesan, S., Setunge, S., Molyneaux, T. & Fenwick, J. (2008). 'Diagnostic process based on fuzzy logic for the management of bridges exposed to aggressive environments', in *Clients driving construction innovation - benefiting from innovation*. Icon.Net Pty Ltd, Brisbane, Australia, 168 - 173, ISBN: 978-1-74107-156-6

Journal Articles

Aguirre, J., Martin, J., Braga, J., Betzler, C., Berning, B. & Buckeridge, J. (2008). 'Densely packed concentrations of sessile barnacles (Cirripedia : Sessilia) from the Early Pliocene of SE Spain', in *Facies*, 54 (2), 193 - 206

Bajwa, S., Bekhor, S., Kuwahara, M. & Chung, E. (2008). 'Discrete choice modelling of combined mode and departure time', in *Transportmetrica*, 4 (2), 155 - 177

Buchanan, W., Roddick, F. & Porter, N. (2008). 'Removal of VUV pre-treated natural organic matter by biologically activated carbon columns', in *Water Research*, 42 (13), 3335 - 3342

Buckeridge, J. (2008). 'The barnacle and the building: a modern morality tale', in *Integrative Zoology*, 3 (2), 68 - 74

Buckeridge, J. (2008). 'Two new species and a new subspecies of Tetraclitella (Cirripedia: Thoracica) from the Cainozoic of Australia and New Zealand and a consideration of the significance of tubiferous walls', in *Zootaxa*, 1897, 43 - 52

Buckeridge, J. (2008). 'Creationism and intelligent design: a critique', in *Natures Sciences Societies*, 15 (4), 405 - 406

Buckeridge, J., Jagt, J. & Speijer, R. (2008). 'Verruca punica, a new species of verruciform barnacle (Crustacea, Cirripedia, Thoracica) from the Lower Danian (Palaeocene) of Tunisia', in *Zootaxa*, 1844, 37 - 46

Daver, F., Gupta, R. & Kosiar, E. (2008). 'Rheological characterisation of recycled poly(ethylene terephthalate) modified by reactive extrusion', in *Journal of Materials Processing Technology*, 204 (1-3), 397 - 402

Demirer, G. & Othman, M. (2008). 'Two-phase thermophilic acidification and mesophilic methanogenesis anaerobic digestion of waste-activated sludge', in *Environmental Engineering Science*, 25 (9), 1291 - 1300

Fan, L., Nguyen, T., Roddick, F. & Harris, J. (2008). 'Low-pressure membrane filtration of secondary effluent in water reuse: Pre-treatment for fouling reduction', in *Journal of Membrane Science*, 320 (1-2), 135 - 142

Fitton, T., Bhattacharya, S. & Chryss, A. (2008). 'Three-dimensional modelling of tailings beach shape', in *Computer-Aided Civil and Infrastructure Engineering*, 23 (1), 31 - 44

Gideon, B., Ward, L. & Biddle, G. (2008). 'Duplex stainless steel welds and their susceptibility to intergranular corrosion', in *Journal of Minerals and materials Characterisation and Engineering*, 7 (3), 247 - 263

Gravina, R. & Smith, S. (2008). 'Flexural behaviour of indeterminate concrete beams reinforced with FRP bars', in *Engineering Structures*, 30 (9), 2370 - 2380

Gupta, R. & Bhattacharya, S. (2008). 'Polymer-clay nanocomposites: current status and challenges', in *Indian Chemical Engineer*, 50 (3), 242 - 267

Huang, X. & Xie, Y. (2008). 'Topology optimization of nonlinear structures under displacement loading', in *Engineering Structures*, 30 (7), 2057 - 2068

Huang, X. & Xie, Y. (2008). 'A new look at ESO and BESO optimization methods', in *Structural and Multidisciplinary Optimization*, 35 (1), 89 - 92

Huang, X. & Xie, Y. (2008). 'Optimal design of periodic structures using evolutionary topology optimization', in *Structural and Multidisciplinary Optimization*, 36 (6), 597 - 606

- Koay, Y., Xie, Y. & Setunge, S. (2008). 'Evaluating stepping displacements of pedestrian concrete pavements connected by EPDM rubber and PVC joiners', in *International Journal of Pavement Engineering*, 9 (4), 287 - 301
- Majumder, K., Ding, Y., Hobbs, G. & Bhattacharya, S. (2008). 'Prediction and experimental verification of the bubble and processing characteristics in blown-film extrusion', in *Journal of Applied Polymer Science*, 111, 2657 - 2668
- McMurray, A., O'Neill, P., Buckeridge, J. & Cox, J. (2008). 'Organisational Innovation', in *Monash Business Review*, 4 (3), 46 - 47
- Pannirselvam, M., Genovese, A., Jollands, M., Bhattacharya, S. & Shanks, R. (2008). 'Oxygen barrier property of polypropylene-polyether treated clay nanocomposite', in *Express Polymer Letters*, 2 (6), 429 - 439
- Parmar, H., Gupta, R. & Bhattacharya, S. (2008). 'Melt strength and thermal properties of organic peroxide modified virgin and recycled HDPE', in *International Polymer Processing*, 23 (2), 200 - 207
- Purushotham, K., Ward, L., Brack, N., Pigram, P., Evans, P., Noorman, H. & Manory, R. (2008). 'The effect of MEVVA ion implantation of Zr on the corrosion behaviour of PVD TiN coatings', in *Corrosion Science*, 50 (1), 8 - 14
- Reddy, M., Deighton, M., Gupta, R., Bhattacharaya, S. & Pathasarthy, R. (2008). 'Biodegradation of oxo-biodegradable polyethylene', in *Journal of Applied Polymer Science*, 111 (3), 1426 - 1432
- Reddy, M., Gupta, R., Gupta, R., Bhattacharya, S. & Parthasarathy, R. (2008). 'Abiotic oxidation studies of oxo-biodegradable polyethylene', in *Journal of Polymers and Environment*, 16 (1), 27 - 34
- Ren, G. & Li, J. (2008). 'A study of angle of draw in mining subsidence using numerical modelling techniques', in *Electronic Journal of Geotechnical Engineering*, 13 (Bundle F), 1 - 14
- Soh, Y., Roddick, F. & Van Leeuwen, J. (2008). 'The impact of alum coagulation on the character, biodegradability and disinfection by-product formation potential of reservoir natural organic matter (NOM) fractions', in *Water Science and Technology*, 58 (6), 1173 - 1179
- Swinbourne, D. & Latham, M. (2008). 'One-week industry placements-Organization and evaluation after 3 years', in *Education for Chemical Engineers*, 3 (1), 28 - 32
- Weerasooriya, G., Bajwa, S., Kuwahara, M. & Sarvi, M. (2008). 'An improved bus signal priority model', in *Seisan Kenkyu*, 60 (4), 355 - 359
- Yeow, Y., Leong, Y. & Khan, A. (2008). 'Slow steady viscous flow of Newtonian fluids in parallel-disk viscometer with wall slip', in *Journal of Applied Mechanics*, 75 (4), 041001 - 041001
- Zhou, S., Wang, L., Di, Y., Xue, C., Duan, W., Li, C. & LI, Y. (2008). 'Substrates and inhibitors of human multidrug resistance associated proteins and the implications in drug development', in *Current Medicinal Chemistry*, 15 (20), 1981 - 2039

Conference Proceedings

- Abdul Kadir, A. & Mohajerani, A. (2008). 'Physico-mechanical properties and leahate analysis and thermal performance of clay fired bricks incorporated with cigarette butts', *Environmental Management and Technologies Towards Sustainable Development*, Abdul Latif Ahmad; Lee Keat Teong (ed.), International Conference on Environment 2008
- Abdul Kadir, A. & Mohajerani, A. (2008). 'Possible utilization of cigarette butts in light-weight fired clay bricks', *Proceedings of World Academy on Science, Engineering and Technology*, E Juda (ed.), World Congress on Science, Engineering and Technology
- Adam, A., Molyneaux, T., Patnaikuni, I. & Law, D. (2008). 'Strength of mortar containing activated slag', *Innovations in structural engineering and construction*, Y.M. Xie and I. Patnaikuni (ed.), Fourth International Conference on Structural Engineering and Construction
- Alban, L. (2008). 'pH Control Using Fuzzy Logic', *CHISA 2008 Proceedings*, Ing. Jan Novosad (ed.), 18th International Congress of Chemical and Process Engineering

- Baez Munoz, E., Ivanov, I., Quazi, N. & Bhattacharya, S. (2008). 'Stability study of nanopigment dispersions', *Chemeca 2008*, Graeme Jameson (ed.), Chemeca2008
- Bhatia, A., Gupta, R. & Bhattacharya, S. (2008). 'Gas barrier and thermomechanical Properties of poly (lactic acid) (PLA)/Poly (butylene succinate) (PBS)/clay nanocomposites', *Program and Book of Abstracts (PPS-24)*, Dipartimento di Ingegneria Chimica e Alimentare (ed.), The Polymer Processing Society 24th Annual Meeting (PPS-24)
- Bhattacharya, S., Gupta, R. & Bhattacharya, S. (2008). 'Foaming behaviour of high melt strength polypropelene (HMS-PP)/clay nanocomposites', *Program and Book of Abstracts (PPS-24)*, Dipartimento di Ingegneria Chimica e Alimentare (ed.), The Polymer Processing Society 24th Annual Meeting (PPS-24)
- Bhuta, C., Zhang, G. & Reddy Mogulla, J. (2008). 'Risk management of public perception for public private partnership projects in Australia', *Full Proceedings for International Conference on Project Management "Achieving Excellence Through Project Management"*, Mohammed Ali Berawi; Abdul Rahman; Zulkifle Abdul Samad (ed.), International Conference on Project Management "Achieving Excellence Through Project Management"
- Buckeridge, J. (2008). 'Application of ethics in engineering... quis cutodiet ipsos custodes?', *Innovations in Structural Engineering and Construction. Volume 2*, Y.M. Xie, I. Patnaikuni (ed.), Fourth International Structural Engineering and Construction Conference (ISEC-4)
- Cinque, K. & Jayasuriya, N. (2008). 'Assessing the benefits of catchment management for drinking water quality in the Tarago catchment', *Promoting Innovation and Sustainable Practices*, Clare Porter, Ian Coles, Jenny Pickles (ed.), Enviro 08
- De Silva, S. (2008). 'Shifting the engineering education paradigm - challenges and experience in curriculum development and delivery.', *CIB International Conference on Building Education and Research - Building Resilience, Conference Proceedings*, Richard Haigh and Dilanthi Amaratunge (ed.), BEAR 2008 - CIB International Conference on Building Education and Research
- De Silva, S. & Patnaikuni, I. (2008). 'Column Shortening due to Creep and Shrinkage and its Impact on Floor Stresses', *ICACC-2008 Proceedings of 2nd International Conference on Advances in Concrete and Construction, 7-9 February 2008 Hyderabad, India, Volume II*, P. Jagannadha Rao, V. Ramakrishnan, Indubhushan Patnaikuni, V.S. Parameswaran (ed.), 2nd International Conference on Advances in Concrete and Construction
- Fan, L., Roddick, F. & Brooks, R. (2008). 'Evaluation of various methods for nutrient recovery from blood stickwater in the meat industry', *Proceedings of Enviro 08 Conference*, Corinne Cheeseman (ed.), Enviro 08 - Australia's Environmental and Sustainability Conference and Exhibition
- Felicetti, P. & Xie, Y. (2008). 'Integrated computerized multi-disciplinary design environment for building structures', *Innovations in Structural Engineering and Construction*, Y M Xie; I Patnaikuni (ed.), Proceedings of the fourth International Structural Engineering and Construction Conference (ISEC-4)
- Ghabraie, K., Xie, Y. & Huang, X. (2008). 'Shape optimization of underground excavation using ESO method', *Innovations in Structural Engineering and Construction*, Yi-Min (Mike) Xie; Indubhushan Patnaikuni (ed.), Proceedings of the fourth International Structural Engineering and Construction Conference (ISEC-4)
- Gideon, B. & Ward, L. (2008). 'Intergranular Corrosion and Residual Stress Determination of Duplex Stainless Steel Pipeline Girth Welds', *Corrosion and Prevention 2008. The Impact of Corrosion on our Lives.*, Australasian Corrosion Association Conference Committee (ed.), Corrosion and Prevention 2008. The Impact of Corrosion on our Lives.
- Gideon, B., Ward, L., Carr, D. & Muransky, O. (2008). 'Duplex stainless steel welds: residual stress determination, magnetic force microscopy and susceptibility to intergranular corrosion.', *6th European Stainless Steel Conference Proceedings*, Pentti Karjalainen and Staffan Hertzman (ed.), 6th European Stainless Steel Conference
- Goulding, R., Jayasuriya, N., Horan, E. & Nugegoda, D. (2008). 'Metals in waterways following wet weather sewer spills', *Enviro 08 Conference*, Clare Porter, Ian Coles, Jenny Pickles (ed.), Enviro 08
- Huang, C., Zhang, G. & Bhuta, C. (2008). 'Integrating McKinsey's 7Ss risk management framework into the government's strategic management of public private partnership projects in Australia', *Full proceedings for International Conference on Project Management "Achieving Excellence Through Project Management" 2009*, Mohammed Ali Berawi; Abdul Rahman; Zulkifle Abdul Samad (ed.), ICoPM2008

- Huang, X., Xie, Y. & Lu, G. (2008). 'Topology optimization of nonlinear structures for energy absorption', *Innovations in Structural Engineering and Construction*, Yi-Min (Mike Xie; I Patnaikuni (ed.)), Proceedings of the fourth International Structural Engineering and Construction Conference
- Jayasinghe, M., Gravina, R. & Setunge, S. (2008). 'Real-life monitoring of slab and beam deflection of a multi-level office building', *Engaging with structural engineering*, E Gad; B Wong (ed.), Australasian Structural Engineering Conference ASEC 2008
- Jayasuriya, N. (2008). 'Teaching sustainable stormwater management using project based learning', *EDU-COM 2008 International Conference Sustainability in Higher Education: Directions for Change*, John Renner; Jim Cross; Lisa McCormack (ed.), EDU-COM 2008 International Conference
- Jayasuriya, N. & Kadurupokune Wanniarachchi Kan, N. (2008). 'Impact of pervious pavement on drainage infrastructure', *11th International Urban Drainage Conference*, Adrian J Saul; Scott Arthur; Richard Ashley (ed.), 11th International Urban Drainage Conference
- Jones, M., Crist, G., Engels, B., Montague, A. & De Silva, S. (2008). 'Evaluating a Multi-Disciplinary Virtual WIL Project', *WACE ACEN Asia Pacific Conference 2008 E-Proceedings*, Kay, J, Jorgensen D (ed.), Work Integrated Learning: Transforming Futures
- Jones, S., Jones, M., Crist, G., Engels, B., Montague, A. & De Silva, S. (2008). 'Evaluating a multi-disciplinary virtual WIL project', *WACA-AP-ACEN - E-Proceedings*, ACEN (ed.), Work Integrated Learning (WIL): Transforming Futures Practice...Pedagogy...Partnership
- Khastagir, A. & Jayasuriya, N. (2008). 'Role of rainwater tanks in managing demand during droughts', *Australasia's Environmental and Sustainability Conference and Exhibition*, Corinne Cheesman (ed.), Australasia's Environmental and Sustainability Conference and Exhibition
- Koay, Y., Xie, Y. & Setunge, S. (2008). 'Development of a simple and low cost shear connector for minimizing tripping hazards of pedestrian concrete pavements', *innovations in Structural Engineering and Construction*, Y M Xie; I Patnaikuni (ed.), Proceedings of the Fourth International Structural Engineering and Construction Conference (ISEC-4)
- Kumanayaka, T., Gupta, R., Jollands, M. & Parthasarathy, R. (2008). 'Photo-oxidation of polyethylene nanocomposites', *Towards a sustainable Australasia*, Graeme Jameson (ed.), Chemeca2008
- Law, D., Adam, A., Molyneaux, T. & Patnaikuni, I. (2008). 'Durability Properties of Geopolymer Mortars', *Globality and Locality in Durability. Proceedings of the 11th International Conference on Durability of Building Materials and Components. Volume One - Durability of Materials*, A. Nil Türkeri and Özkan Şengül (ed.), Eleventh International Conference on Durability of Building Materials and Components, 11dbmc
- Li, J. (2008). 'Case study of movement and damage to a residential building founded on expansive clays', *Conference on Geotechnical Engineering for Disaster Mitigation and rehabilitation*, Hanlong Liu; An Deng; Jian Chu (ed.), 2nd International Conference on Geotechnical Engineering for Disaster Mitigation and Rehabilitation (GEDMAR08)
- Li, L., Huang, X. & Yu, X. (2008). 'Power generation loading optimization using a multi-objective constraint-handling method via PSO algorithm', *Proceedings IEEE INDIN 2008 6th IEEE International Conference on Industrial Informatics*, Ju-Jang Lee, Xinghuo Yu (ed.), 6th IEEE International Conference on Industrial Informatics
- McCallum, N., Bondy, J. & Jollands, M. (2008). 'Hearing each other - how can we give feedback that students really value', *Program and Proceedings. 19th Annual Conference for the Australasian Association for Engineering Education. To Industry and Beyond*, L. Mann, A. Thompson, P. Howard (ed.), Australasian Association for Engineering Education Annual Conference (AAEE2008)
- Meizler, A., Roddick, F. & Porter, N. (2008). 'A comparative study of enhanced photo-oxidation by adsorption of polymeric phenolic groups', *Enviro 08 Proceedings*, Corinne Cheesman (ed.), Australasia's Environmental and Sustainability Conference and Exhibition
- Molyneaux, T. (2008). 'The use of a concept inventory to provide individual automated feedback from online tests.', *19th Annual Conference for the Australasian Association for Engineering Education. To Industry and Beyond.*, Llewellyn Mann, Adam Thompson, Prue Howard (ed.), 19th Annual Conference for the Australasian Association for Engineering Education. To Industry and Beyond.

- NGOTHAI, Y., Di-Mauro Hayes, G., Majumdar, J. & Jollands, M. (2008). 'Plastic lumber: life cycle analysis of technology developments', *Global Plastics Environmental Conference 2008: Sustainability and Recycling for a Greener Environment*, Susan Kozora (ed.), GPEC2008 Sustainability and Recycling for a Greener Environment
- Oxley, D., De Silva, S. & Xie, Y. (2008). 'The reduction of negative residential construction environmental impacts through the use of modular construction techniques', *Innovations in Structural Engineering and Construction*, Y M Xie; I Patnaikuni (ed.), Fourth International Structural Engineering and Construction Conference (ISEC-4)
- Pannipitiya, D., Setunge, S., Uwaragala Jathungeye, N. & Jollands, M. (2008). 'Investigation of hot-pressing process for manufacturing of hardwood particleboard', *Innovations in Structural Engineering and Construction*, Y.M. Xie and I. Patnaikuni (ed.), Fourth International Structural Engineering and Construction Conference (ISEC-4)
- Pannirselvam, M., Rengarajan, B., Genovese, A., Antolasic, F., Gupta, R., Chryss, A., Jollands, M., Bhattacharya, S. & Shanks, R. (2008). 'Effect of polyether treated clay on the rheological properties of polypropylene nanocomposite', *2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales, ICBC 2008*, Sabu, T (ed.), 2nd International Conference on Polymer Blends, Composites, IPNS, Membranes, Polyelectrolytes and Gels: Macro to Nano Scales
- Parmar, H., Gupta, R. & Bhattacharya, S. (2008). 'Shear and uniaxial melt rheological properties of organic modified induced recycled and virgin high density polyethylenewrite', *Program and Book of Abstracts (PPS-24)*, Andrew Hrymak; James L White (ed.), PPS-24-The Polymer Processing Society 24th Annual Meeting
- Patnaikuni, I. (2008). 'Environmentally sustainable housing construction', *Proceedings of the 2nd International Conference on Advances in Concrete and Construction*, Prof P Jagannadha Rao; Prof V Ramakrishnan; Prof Indubhushan Patnaikuni; Dr V S Parameswaran (ed.), ICACC-2008
- Patnaikuni, I., Molyneaux, T. & Novotny, J. (2008). 'A rammed earth and concrete wall system for sustainable housing', *Innovations in Structural Engineering and Construction*, Y.M. Xie and I. Patnaikuni (ed.), Fourth International Conference on Structural Engineering and Construction (ISEC-4)
- Pell, B., Rowe, W., Sulic, E., Ghorbani, K., John, S., Gupta, R., Zhang, K. & Hughes, B. (2008). 'Experimental study of the effect of paint on embedded automotive antennas', *Proceedings of the 67th IEEE Vehicular Technology Conference 2008, VTC, 2008*, Mario Gerla (ed.), Vehicular Technology Conference 2008,
- Pell, B., Sulic, E., Rowe, W., Ghorbani, K., John, S., Gupta, R. & Zhang, K. (2008). 'The design and realization of uniplanar CPW fed PICA slot antennas', *Proceedings of the 2008 Asia-Pacific Microwave Conference*, Edward K.N. Yung (ed.), 2008 Asia-Pacific Microwave Conference (AMPC 2008)
- Rahman, S., Patnaikuni, I. & De Silva, S. (2008). 'Sustainability and Liveability: Residents' experience of the Ecohome in Melbourne', *Innovations in Structural Engineering and Construction*, Y.M. Xie and I. Patnaikuni (ed.), Fourth International Structural Engineering and Construction Conference (ISEC-4)
- Ratanachaithong, M. & Roddick, F. (2008). 'A study of NOM behaviour and the occurrence of chlorinated DBP in a regional distribution system', *Enviro 08 Proceedings*, Corinne Cheesman (ed.), Australia's Environmental and Sustainability Conference and Exhibition
- Reddy, M., Gupta, R., Bhattacharya, S. & Parthasarathy, R. (2008). 'Effect of nanoclay on oxo-biodegradation of polyethylene', *Program and Book of Abstracts*, Andrew Hrymak; James L White (ed.), PPS-24-The Polymer Processing Society 24th Annual Meeting
- Sharabah, A. & Setunge, S. (2008). 'A reliability approach for management of council owned buildings in Australia', *CIB International Conference on Building Education and Research - Building Resilience*, Richard Haigh and Dilanthi Amaratunga (ed.), BEAR 2008 - CIB International Conference on Building Education and Research
- Sharma, J., Jollands, M., Small, D. & Doig, S. (2008). 'The thermal properties of starch extracted from Amaro rice', *Cereals 2008 - Proceedings of the 58th Australian Cereal Chemistry Conference*, Panozzo, J.F & Black, C.K (ed.), The 58th Australian Cereal Chemistry Conference
- Solarska, S., Roddick, F. & Lawrie, A. (2008). 'Application of *Trametes* sp. for the treatment of concentrated aquatic natural organic matter', *Enviro 08 Proceedings*, Corinne Cheesman (ed.), Australia's Environmental and Sustainability Conference and Exhibition

- Sulic, E., Pell, B., John, S., Gupta, R., Rowe, W., Ghorbani, K. & Zhang, K. (2008). 'Performance of embedded multi-frequency communication devices in smart composite structures', *Proceedings of SMASIS 08, ASME Conference on Smart Materials, Adaptive Structures and Intelligent Systems*, CS Lynch, D Brei (ed.), ASME/AIAA Smart Materials, Adaptive Structures and Intelligent Systems Conference (SMASIS)
- Venkatesan, S., Setunge, S., Molyneaux, T. & Fenwick, J. (2008). 'Fuzzy Logic Based Decision Support Tool in Bridge Assessment Management.', *Proceedings of the International Conference on Advances in Concrete and Construction, ICACC-2008*, P. Jagannadha Rao, V. Ramakrishnan, Indubhushan Patnaikuni, V.S. Parameswaran (ed.), 2nd International Conference on Advances in Concrete and Construction.
- Vergheese, K., Jollands, M. & Allan, M. (2008). 'The litterability of plastic bags: Key design criteria', *Global Plastics Environmental Conference 2008: Sustainability and Recycling for a Greener Environment*, S. Kozora, A. Merrington (ed.), Global Plastics Environmental Conference 2008: Sustainability and Recycling for a Greener Environment
- Ward, L., Tang, E., Cromwell, D., Butler, A., Trueman, A., Hinton, B. & McAdam, G. (2008). 'Anodizing of aerospace grade 7050 T-74541 aluminium alloy for improved corrosion resistance.', *Corrosion and Prevention 2008. 'The Impact of Corrosion on our Lives'*, Australasian Corrosion Association Conference Committee (ed.), Corrosion and Prevention 2008. 'The Impact of Corrosion on our Lives'
- Yek, W., Parthasarathy, R., Nouimehidi, M., Bhattacharya, S. & Wu, J. (2008). 'Effect of impeller speed modulation on isolated mixing regions in stirred vessels', *Chemeca2008*, Graeme Jameson (ed.), Chemeca2008
- Zhang, G. & Yang, J. (2008). 'Integrated technologies for sustainable refurbishment of office buildings', *Proceedings of the 2008 World Sustainable Building Conference*, Greg Foliente; Thomas Luetzkendorf; Peter Newton; Phillip Paevere (ed.), 2008 World Sustainable Building Conference (SB08)
- Zhou, Y., Xie, Y. & Huang, X. (2008). 'Two general methods for creating tensegrity structures of towers, arches, bridges and stadium roofs', *Innovations in Structural Engineering and Construction*, Y M Xie; I Patnaikuni (ed.), Fourth International Structural Engineering and Construction Conference (ISEC-4)
- Zhu, W., Setunge, S., Gravina, R. & Venkatesan, S. (2008). 'Estimation of residual capacity and time-dependent reliability of reinforced concrete bridges after initiation of a deterioration mechanism and subsequent rehabilitation.', *Engaging with Structural Engineering. Australian Structural Engineering Conference. ASEC 2008*, Emad Gad, Bill Wong (ed.), Australian Structural Engineering Conference. ASEC 2008
- Zhu, W., Setunge, S., Gravina, R. & Venkatesan, S. (2008). 'Use of fault tree analysis in risk assessment of reinforced concrete bridges exposed to aggressive environments', *Innovations in Structural Engineering and Construction*, Y.M. Xie and I. Patnaikuni (ed.), Fourth International Structural Engineering and Construction Conference (ISEC-4)

Computer Science and Information Technology

Book Chapters

- Blackwell, T., Branke, J. & Li, X. (2008). 'Particle swarms for dynamic optimization problems', in *Swarm Intelligence - Introduction and Applications*. Springer, Germany, 193 - 217, ISBN: 978-3-540-74088-9
- Broberg, J. & Tari, Z. (2008). 'MetaCDN: Harnessing storage clouds for high performance content delivery', in *Service-Oriented Computing- ICSOC 2008*. Springer, Germany, 730 - 731, ISBN: 978-3-540-89647-0
- Dam, K. & Winikoff, M. (2008). 'Generation of repair plans for change propagation', in *Agent-Oriented Software Engineering VIII*. Springer, Germany, 132 - 146, ISBN: 978-3-540-79487-5
- Fang, Q., Sufi, F. & Cosic, I. (2008). 'A mobile device based ECG analysis system', in *Data Mining in Medical and Biological Research*. I-Tech Education and Publishing KG, Austria, 209 - 226, ISBN: 978-953-7619-30-5
- Hu, J., Bertok, P. & Tari, Z. (2008). 'Taxonomy and framework for integrating dependability and security', in *Information Assurance: Dependability and Security in Networked Systems*. Elsevier, United States, 149 - 170, ISBN: 978-0-12-373566-9

- Padgham, L. & Luck, M. (2008). 'Introduction to AOSE tools for the conference management system', in *Agent-Oriented Software Engineering VIII*. Springer, Germany, 164 - 167, ISBN: 978-3-540-79487-5
- Padgham, L., Thangarajah, J. & Winikoff, M. (2008). 'The Prometheus design tool - A conference management system case study', in *Agent-Oriented Software Engineering VIII*. Springer, Germany, 197 - 211, ISBN: 978-3-540-79487-5
- Pham, Q., Harland, J. & Winikoff, M. (2008). 'Modelling agents' choices in temporal linear logic', in *Declarative Agent Languages and Technologies B*. Springer, Germany, 140 - 157, ISBN: 978-3-540-77563-8
- Tari, Z., Bertok, P. & Simic, D. (2008). 'Dynamic flow control-based information management for web services', in *Web Services Research and Practices*. Cyber Tech Publishing, United States, 260 - 303, ISBN: 978-1-599-4-907-6
- Zambetta, F. (2008). 'Modelling interactive non-linear stories', in *Computational Intelligence in Multimedia Processing: Recent Advances*. Springer-Vrelag, Germany, 119 - 138, ISBN: 978-3-540-76826-5
- Zambetta, F. (2008). 'Implementing story-driven games with the aid of dynamical policy models', in *AI Game Programming Wisdom 4*. Charles-River Media, United States, 551 - 569, ISBN: 978-1-58450-523-5

Journal Articles

- Chen, G., Puglisi, S. & Smyth, W. (2008). 'Lempel-ziv factorization using less time and space', in *Mathematics in Computer Science*, 1(4), 605 - 623
- Elgedawy, I., Tari, Z. & Thom, J. (2008). 'Correctness-aware high-level functional matching approaches for semantic Web services', in *ACM Transactions on the Web*, 2 (2), 12-1 - 12-40
- Gardiner, S., Swanson, W., Demirel, S., McKendrick, A., Turpin, A. & Johnson, C. (2008). 'A two-stage neural spiking model of visual contrast detection in perimetry', in *Vision Research*, 48 (18), 1859 - 1869
- Gray, K., Thompson, C., Clerehan, R., Sheard, J. & Hamilton, M. (2008). 'Web 2.0 authorship: Issues of referencing and citation for academic integrity', in *Internet and Higher Education*, 11 (2), 112 - 118
- Guo, J., Wang, Y., Tang, K., Chan, S., Wong, E., Taylor, P. & Zukerman, M. (2008). 'Evolutionary optimization of file assignment for a large-scale video-on-demand system', in *IEEE Transactions on Knowledge and Data Engineering*, 20 (6), 836 - 850
- Hu, J. & Zambetta, F. (2008). 'Security issues in massive online games', in *Journal of Security and Communication Networks*, 1, 83 - 92
- Iorio, A. & Li, X. (2008). 'Rotated problems and rotationally invariant crossover in evolutionary multi-objective optimization', in *International Journal of Computational Intelligence and Applications*, 7 (2), 149 - 186
- Khan, A., Bashir, S., Naeem, M., Shah, S. & Li, X. (2008). 'Symbol detection in spatial multiplexing system using particle swarm optimization meta-heuristics', in *International Journal of Communication Systems*, 21 (12), 1239 - 1257
- Kodituwakku, S. & Bertok, P. (2008). 'A mathematical approach to object oriented design patterns', in *Journal of the National Science Foundation of Sri Lanka*, 36 (3), 219 - 227
- Lester, N., Moffat, A. & Zobel, J. (2008). 'Efficient online index construction for text databases', in *ACM Transactions on Database Systems*, 33 (3), 19-1 - 19-33
- Perepletchikov, M., Ryan, C., Frampton, K. & Schmidt, H. (2008). 'Formalising service oriented design', in *Journal of Software*, 3 (2), 1 - 14
- Phan, T., Tari, Z. & Bertok, P. (2008). 'Similarity-based SOAP multicast protocol to reduce bandwidth and latency in web services', in *IEEE Transactions on Services Computing*, 1 (2), 88 - 103
- Puglisi, S. & Simpson, J. (2008). 'The expected number of runs in a word', in *Australasian Journal of Combinatorics*, , 1 - 1

- Puglisi, S., Simpson, J. & Smyth, W. (2008). 'How many runs can a string contain?', in *Theoretical Computer Science*, 401, 165 - 171
- Simpson, J. & Puglisi, S. (2008). 'Words with simple burrows-wheeler transforms', in *The Electronic Journal of Combinatorics*, 15, R83-1 - R83-17
- Song, A. & Ciesielski, V. (2008). 'Texture segmentation by genetic programming', in *Evolutionary Computation*, 16 (4), 461 - 481
- Sufi, F. & Khalil, I. (2008). 'Enforcing secured ECG transmission for realtime telemonitoring: A joint encoding, compression, encryption mechanism', in *Journal of Security and Communication Networks*, 1, 389 - 405
- Sufi, F., Mahmoud, S. & Khalil, I. (2008). 'A novel wavelet packet-based anti spoofing technique to secure ECG data', in *International Journal of Biometrics*, 1 (2), 191 - 208
- Suyoto, I., Uitdenbogerd, A. & Scholer, F. (2008). 'Searching musical audio using symbolic queries', in *IEEE Transactions on Audio, Speech and Language Processing*, 16 (2), 372 - 381
- Zhou, S., Wang, L., Di, Y., Xue, C., Duan, W., Li, C. & LI, Y. (2008). 'Substrates and inhibitors of human multidrug resistance associated proteins and the implications in drug development', in *Current Medicinal Chemistry*, 15 (20), 1981 - 2039

Conference Proceedings

- Allmendinger, R., Li, X. & Branke, J. (2008). 'Reference point-based particle swarm optimization using a steady-state approach', *Proceedings of the 7th International Conference on Simulated Evolution and Learning (SEAL 2008)*, Li, X., et al (ed.), The 7th International Conference on Simulated Evolution and Learning (SEAL 2008)
- Awg Iskandar, D., Thom, J. & Tahaghoghi, S. (2008). 'A visual ontology query interface of content-based image retrieval', *Proceedings of the 21st Symposium on Human Factors in Telecommunication: User experience of ICTs*, Chee Weng Khong, Chui Yin wong, Bruno vonNiman (ed.), 21st Symposium on Human Factors in Telecommunication: User Experience of ICT's
- Awg Iskandar, D., Thom, J. & Tahaghoghi, S. (2008). 'Content-based image retrieval using image regions as query examples', *Proceedings of Nineteenth Australasian Database Conference (ADC 2008)*, A> Fekete, X. Lin (ed.), Nineteenth Australasian Database Conference (ADC 2008)
- Barile, P., Ciesielski, V. & Trist, K. (2008). 'Non-photorealistic rendering using genetic programming', *Simulated Evolution and Learning. 7th International Conference, SEAL 2008, Melbourne, Australia, December 2008, Proceedings*, X. Li, M. Kirley, M. Zhang, D. Green, V. Ciesielski, H. Abbass, Z. Michalewicz, T. Hendtlass, K. Deb, K. Chen Tan, J. Branke, Y. Shi (ed.), 7th International Conference on Simulated Evolution and Learning (SEAL 2008)
- Bennett, G., Scholer, F. & Uitdenbogerd, A. (2008). 'A comparative study of probabilistic and language models for information retrieval', *Proceedings of the Nineteenth Australasian Database Conference*, Alan Fekete, Xuemin Lin (ed.), Nineteenth Australasian Database Conference ADC 2008
- Bertok, P. & Reynolds, S. (2008). 'Dynamic adaptation, composition and orchestration of web services in virtual environments', *Pervasive Collaborative Networks*, L.M. Camarinha-Matos, W. Picard (ed.), IFIP TC5 WG 5.5 Ninth IFIP Working Conference on Virtual Enterprises
- Burrow, A. & Mayr, C. (2008). 'Forming teams within Wiki', *Proceedings of IADIS International Conference Intelligent Systems and Agents 2008*, not stated (ed.), IADIS International Conference Intelligent Systems and Agents 2008
- Ciesielski, V. & Wijesinghe, D. (2008). 'Experiments with indexed FOR-loops in genetic programming', *Genetic and Evolutionary Computation Conference*, Maarten Keijzer (ed.), 10th Annual Genetic and Evolutionary Computation conference
- Ciesielski, V., Wu, N. & Tahaghoghi, S. (2008). 'Evolving similarity functions for code plagiarism detection', *Genetic and Evolutionary Computation Conference*, Maarten Keijzer (ed.), 10th Annual Genetic and Evolutionary Computation Conference

- De Leoni, M., Marrella, A., Mecella, M., Valentini, S. & Sardina, S. (2008). 'Coordinating mobile actors in pervasive and mobile scenarios: An ai-based approach', *Workshops on Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE 2008)*, Sumitra Mitra Reddy (ed.), 17th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE 2008)
- De Vries, A., Vercoustre, A., Thom, J., Craswell, N. & Lalmas, M. (2008). 'Overview of the INEX 2007 entity ranking track', *6th International Workshop of the Initiative for the evaluation of XML Retrieval, INEX 2007*, N. Fuhr, J. Kamps, M. Lalmas, A. Trotman (ed.), 6th International Workshop of the Initiative for the Evaluation of XML Retrieval, INEX 2007
- Dignum, F., Dignum, V., Thangarajah, J., Padgham, L. & Winikoff, M. (2008). 'Open agent systems???'', *Agent - Oriented Software Engineering VIII*, Michael Luck, Lin Padgham (ed.), 8th International Workshop
- D'Souza, D., Hamilton, M., Harland, J., Muir, P., Thevathayan, C. & Walker, C. (2008). 'Transforming learning of programming: A mentoring project', *Proceedings Tenth Australasian Computing Education Conference (ACE 2008)*, Simon and Margaret Hamilton (ed.), Tenth Australasian Computing Education Conference (ACE 2008)
- Duff, S. & Harland, J. (2008). 'Formalising pro-active maintenance goals', *DALT 2008*, Matteo Baldoni, Cao Son Tran, Maria Birna van Riemsdijk, Michael Winikoff (ed.), 6th International Workshop on Declarative Agent Languages and Technologies (DAL T 2008)
- Gooneratne, N. & Tari, Z. (2008). 'Matching independent global constraints for composite web services', *Proceedings of the 17th International World Wide Web Conference (WWW 2008)*, Jinpeng Huai, Robin Chen, Hsiao-Wuen Hon, Yunhao Liu, Wei-Ying Ma, Andrew Tomkins, Xiaodong Zhang (ed.), 17th International Conference on World Wide Web (WWW 2008)
- Gooneratne, N., Tari, Z. & Harland, J. (2008). 'VGC: Generating valid global communication models of composite services using temporal reasoning', *Proceedings of the 6th International Conference on Service -Oriented Computing ICSOC 2008*, Athman Bouguettaya, Ingolf H. Krueger, Tiziana Margaria (ed.), Service-Oriented Computing (ICSOC 2008)
- Hu, J. (2008). 'Mobile fingerprint template protection: progress and open issues', *Third IEEE Conference on Industrial Electronics and Applications*, Luo Fang Lin (ed.), Third IEEE Conference on Industrial Electronics and Applications
- Hu, J., Gingrich, D. & Sentosa, A. (2008). 'A k-nearest neighbour approach for user authentication through biometric keystroke dynamics', *2008 IEEE International Conference on Communication*, Jichuan Wu (ed.), 2008 IEEE International Conference on Communication
- Iorio, A. & Li, X. (2008). 'Improving the performance and scalability of differential evolution', *The 7th International Conference on Simulated Evolution and Learning*, Xiaodong Li, Kay Chem Tan, Jurgen Branke, Yuhui Shi, Michael Kirley, Mengile Zhang, David Green, Vic Ciesielski, Hussein Abbass, Zbigniew Michalewicz, Tim Hendtlass, Kalyanmoy Deb (ed.), The 7th International Conference on Simulated Evolution and Learning
- Khalil, I. & Sufi, F. (2008). 'Legendre polynomials based biometric authentication using QRS complex of ECG', *Proceedings of the 4th International Conference on Intelligent Sensors, Sensor Networks and Information Processing*, A. Bouzerdoum (ed.), Fourth International Conference on Intelligent Sensors, Sensor Networks and Information Processing
- Khalil, I. & Sufi, F. (2008). 'Mobile device assisted remote heart monitoring and tachycardia prediction', *5th International Conference on Information Technology and Applications in Biomedicine, ITAB 2008*, Yt Zhang (ed.), 5th International Conference on Information Technology and Applications in Biomedicine
- Khalil, I. & Sufi, F. (2008). 'Real-time ECG data transmission with wavelet packet decomposition over wireless networks', *Fourth International Conference on Intelligent Sensors, Sensor Networks and Information Processing*, A. Bouzerdoum (ed.), Fourth International Conference on Intelligent Sensors, Sensor Networks and Information Processing
- Khalil, I. & Sufi, F. (2008). 'An automated patient authentication system for remote telecardiology', *Fourth International Conference on Intelligent Sensors, Sensor Networks and Information Processing*, A. Bouzerdoum (ed.), Fourth International Conference on Intelligent Sensors, Sensor Networks and Information Processing

- Khalil, I. & Sufi, F. (2008). 'Delay minimizing cooperative remote video consultation on demand for e-patients', *Proceedings of the 5th International Conference on Information Technology and applications in Biomedicine (ITAB 2008)*, YT Zhang (ed.), 5th International Conference on Information Technology and Applications in Biomedicine (ITAB 2008)
- Li, L., Li, X. & Yu, X. (2008). 'A multi-objective constraint-handling method with PSO algorithm for constrained engineering optimization problems', *2008 IEEE World Congress on Computational Intelligence*, Zbigniew Michalewicz (ed.), 2008 IEEE World Congress on Computational Intelligence
- Mat Sah, S., Ciesielski, V., D'Souza, D. & Berry, M. (2008). 'Comparison between genetic algorithm and genetic programming performance for photomosaic generation', *7th International Conference. Simulated Evolution and Learning, SEAL 2008, Melbourne, Australia, December 2008, Proceedings*, X. Li et al (ed.), International Conference on Simulated Evolution and Learning (SEAL 2008)
- McIntosh, P., Hamilton, M. & van Schyndel, R. (2008). 'X3D-UML: 3D UML state machine diagrams', *MoDELS 2008, LNCS 5301*, K. Czarnecki (ed.), MoDELS 2008, ACM/IEEE 11th International Conference on Model Driven Engineering Languages and Systems
- Padgham, L., Thangarajah, J. & Winikoff, M. (2008). 'Prometheus Design Tool', *Proceedings of the 23rd AAAI Conference on Artificial Intelligence 2008*, Fox, D., & Gomes, C (ed.), AAAI 2008
- Pang, C., Zhang, X., Zhang, Y. & Ramamohanarao, K. (2008). 'The efficient maintenance of access roles with role hiding', *Proceedings of the 14th International Conference on Management of Data (COMAD 2008)*, Gautam Das, N.I. Sarda, P.K. Reddy (ed.), Proceedings of the 14th International Conference on Management of Data (COMAD 2008)
- Pehcevski, J., Vercoustre, A. & Thom, J. (2008). 'Exploiting locality of Wikipedia links in entity ranking', *Advances in Information Retrieval*, Craig Macdonald, Iadh Ounis, Vassilis Plachouras, Ian Ruthven, Ryan W. White (ed.), 30th European Conference on Information Retrieval Research, ECIR 2008
- Puglisi, S. & Turpin, A. (2008). 'Space-time tradeoffs for longest-common-prefix array computation', *Algorithms and computation - ISAAC 2008*, Seok-Hee Hong, Hiroshi Nagamochi, Takuro Fukunaga (ed.), 19th International Symposium on Algorithms and computation (ISAAC 2008)
- Puglisi, S., Smyth, W. & Yusufu, M. (2008). 'Fast optimal algorithms for computing all the repeats in a string', *Proceedings of the Prague Stringology Conference - 2008*, Jan Holub, Jan Zdarek (ed.), Prague Stringology Conference - 2008
- Ramany, V. & Bertok, P. (2008). 'Replication of location-dependent data in mobile ad hoc networks', *Seventh International ACM Workshop on Data Engineering for Wireless and Mobile Access (MobiDE 2008)*, Vaidyanathan Ramany (ed.), Seventh International ACM Workshop on Data Engineering for Wireless and Mobile Access (MobiDE 2008)
- Riazati, D., Thom, J. & Zhang, X. (2008). 'Drill across and visualization of cubes with non-conformed dimensions', *Database Technologies 2008*, A. Fekete, X. Lin (ed.), Nineteenth Australasian Database Conference (ADC 2008)
- Richardson, J. & Hamilton, M. (2008). 'Academic integrity compliance and education', *Proceedings of ASCILITE Melbourne 2008*, Roger Akinson, Clare McBeath (ed.), ASCILITE 2008. Hello! Where are you in the landscape of educational technology?
- Rong, B., Khalil, I. & Tari, Z. (2008). 'QoS-aware application layer multicast', *13th IEEE Symposium on computers and communications (ISCC 2008)*, Adel S Elmaghraby, Angelo Corsaro (ed.), 13th IEEE Symposium on Computers and communications (ISCC 2008)
- Ronkkonen, J., Li, X., Kyrki, V. & Lampinen, J. (2008). 'A generator for multimodal test functions with multiple global optima', *Proceedings of the 7th International Conference on Simulated Evolution and Learning (SEAL 08)*, Li, X., et al (ed.), The 7th International Conference on Simulated Evolution and Learning (SEAL 08)
- Sardina, S. (2008). 'Behaviour composition in the presence of failure', *Proceedings of the Eleventh International Conference on Principles of Knowledge Representation and Reasoning*, Gerhard Brewka, Jerone Lang (ed.), Eleventh International Conference on Principles of Knowledge Representation and Reasoning

- Sardina, S. & De Giacomo, G. (2008). 'Realizing multiple autonomous agents through scheduling of shared devices', *Proceedings of the Eighteenth International Conference on Automated Planning and Scheduling (ICAPS '08)*, Jussi Rintanen, Bernhard Nebel, J. Christopher Beck, Eric Hansen (ed.), ICAPS 2008
- Scholer, F. & Turpin, A. (2008). 'Relevance thresholds in system evaluations', *Proceedings of ACM SIGIR*, Sung-Hyon Myaeng, Douglas W. Oard, Fabrizio Sebastiani, Tat-Seng Dhua, Mun Kew Leong (ed.), 31st Annual International ACM SIGIR Conference on Research and Development in Information Retrieval
- Scholer, F., Shokouhi, M., Billerbeck, B. & Turpin, A. (2008). 'Using clicks as implicit judgements: Expectations versus observations', *Advances in Information Retrieval*, C. Macdonald, I. Ounis, V. Plachouras, I. Ruthven, R.W. White (ed.), 30th European Conference on IR Research ECIR 2008
- Schroder, J., Schimmler, M., Schroder, H. & Tischer, K. (2008). 'BMA - Boolean Matrices as Model for Motif Kernels', *Proceedings of the 2008 International Conference on Bioinformatics*, Mukesh Doble, William Loding, James Mallone, Vincent Shin-Mu Tseng (ed.), International Conference on Bioinformatics, Computational Biology, Genomics and Chemoinformatics
- Shokouhi, M., Scholer, F. & Turpin, A. (2008). 'Investigating the effectiveness of clickthrough data for document reordering', *Advances in Information Retrieval*, C. Macdonald, I. Ounis, V. Plachouras, I. Ruthven, R.W. White (ed.), 34th European conference on Information Retrieval Research
- Simon, ., Sheard, J., Carbone, A., De Raadt, M., Hamilton, M., Lister, R. & Thompson, E. (2008). 'Eight years of computing education papers at NACCQ', *21st Annual Conference of the National Advisory Committee on Computing Qualifications (NACCQ 2008)*, Samuel Mann, Mike Lopez (ed.), 21st Annual Conference of the National Advisory Committee on Computing Qualifications (NACCQ 2008)
- Simon, S., Carbone, A., De Raadt, M., Lister, R., Hamilton, M. & Sheard, J. (2008). 'Classifying computing education papers: process and results', *Proceedings of the ACM Workshop on International Computing Research*, Lister, Casperson, Clancy (ed.), Fourth International Computing Education Research Workshop (ICER 2008)
- Sinha, R., Moffat, A., Puglisi, S. & Turpin, A. (2008). 'Improving suffix array locality for fast pattern matching on disk', *Proceedings of the 2008 ACM SIGMOD International Conference on Management of Data*, J. T-L Wang (ed.), ACM SIGMOD International Conference on Management of Data
- Slamkovic, R., Fernandez, G. & McGovern, J. (2008). 'TUBE: Automated protocol-level middleware interoperation', *Proceedings 19th Australian Software Engineering Conference ASWEC 2008*, Dr Brian von Kinsky (ed.), 19th Australian Conference of Software Engineers
- Song, A. (2008). 'Fast video analysis by genetic programming', *2008 IEEE World congress on Computational Intelligence*, Zbigniew Michalewicz (ed.), 2008 IEEE World Congress on Computational Intelligence
- Song, A. & Fang, D. (2008). 'Robust method of detecting moving objects in videos evolved by genetic programming', *Proceedings of the 10th Annual Conference on Genetic and Evolutionary Computation*, Maarten Keijzer (ed.), Genetic and Evolutionary Computation Conference
- Sufi, F., Fang, Q. & Cosic, I. (2008). 'A mobile phone based intelligent scoring approach for assessment of critical illness', *Proceedings of the 5th International Conference on Information Technology and Application in Biomedicine, in conjunction with the 2nd International Symposium and Summer School on Biomedical and Health Engineering*, Yuan-Ting Zhang, Fei Chen, Yong-Pei Liang (ed.), 5th International Conference on Information Technology and Application in Biomedicine, in conjunction with the 2nd International Symposium and Summer School on Biomedical and Health Engineering
- Sufi, F., Khalil, I., Fang, Q. & Cosic, I. (2008). 'A mobile web grid based physiological signal monitoring system', *Proceedings of the 5th International Conference on Information Technology and Application in Biomedicine, in conjunction with the 2nd International Symposium and Summer School on Biomedical and Health Engineering*, Yuan-Ting Zhang, Fei Chen, Yong-Pei Liang (ed.), 5th International Conference on Information Technology and Application in Biomedicine, in conjunction with the 2nd International Symposium and Summer School on Biomedical and Health Engineering
- Sufi, F., Mahmoud, S. & Khalil, I. (2008). 'A wavelet based secured ECG distribution technique for patient centric approach', *Proceedings of the 5th International Workshop on Wearable and Implantable Body Sensor Networks*, YT Zhang (ed.), 5th International Workshop on wearable and Implantable Body Sensor Networks BSN 2008

- Sufi, F., Mahmoud, S. & Khalil, I. (2008). 'A new ECG obfuscation method: A joint feature extraction and corruption approach', *International Conference on Information Technology and Applications in Biomedicine, ITAB 2008*, YT Zhang (ed.), 5th International Conference on Information Technology and Applications in Biomedicine
- Suyoto, I. & Uitdenbogerd, A. (2008). 'The effect of using pitch and duration for symbolic music retrieval', *Proceedings of the Thirteenth Australasian Document Computing Symposium*, Rob McArthur, Paul Thomas, Andrew Turpin, Mingfang Wu (ed.), 13th Australasian Document Computing Symposium
- Thangarajah, J., Harland, J., Morley, D. & Yorke-Smith, N. (2008). 'Suspending and Resuming Tasks in BDI Agents', *Proceedings of the 7th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS-08)*, Padgham, L., Parkes., Andre, E Lima, P (ed.), The 7th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS-08)
- Uitdenbogerd, A. & Somerville, P. (2008). 'Multitimbral musical instrument classification', *Proceedings of the International Symposium on Computer Science and its Applications*, Sang-Soo Yeo. Jiankum Hu (ed.), International Symposium on Computer Science and its Applications CSA 2008
- Urbansky, D., Thom, J. & Feldman, M. (2008). 'Webnox: web knowledge extraction', *Proceedings of the Thirteenth Australian Document Computing Symposium*, R. McArthur, P. Thomas, A. Turpin, M. Wu (ed.), Thirteenth Australian Document Computing Symposium (ADCS 2008)
- Vercoustre, A., Pehcevski, J. & Thom, J. (2008). 'Using Wikipedia categories and links in entity ranking', *Focused Access to XML Documents*, N. Fuhr, J. Kamps, M. Lalmas, A. Trotman (ed.), 6th International Workshop of the Initiative for the Evaluation of XML Retrieval, INEX 2007
- Vercoustre, A., Thom, J. & Pehcevski, J. (2008). 'Entity ranking in Wikipedia', *Proceedings of the 23rd ACM Symposium on Applied Computing*, Lorie M Liebrock (ed.), 23rd ACM Symposium on Applied Computing
- Wang, Y. & Hu, J. (2008). 'Rotation estimation of singular points using analytical models', *Proceedings of SPIE*, B.V.K. Vijaya Kumar, Salil Prabhakar, Arun A. Ross (ed.), Biometric Technology for Human Identification V
- Wickramasinghe Rajapaksa, U. & Li, X. (2008). 'Integrating user preferences with particle swarms for multi-objective optimization', *Proceedings of the 10th Annual Conference on Genetic and Evolutionary Computation*, Maarten Keijzer (ed.), Genetic and Evolutionary Computation Conference
- Wickramasinghe, W. & Li, X. (2008). 'Choosing leaders for multi-objective PSO algorithms using differential evolution', *The 7th International Conference on Simulated Evolution and Learning*, Xiaodong Li, Kay Chem Tan, Jurgen Branke, Yuhui Shi, Michael Kirley, Mengile Zhang, David Green, Vic Ciesielski, Hussein Abbass, Zbigniew Michalewicz, Tim Hendtlass, Kalyanmoy Deb (ed.), The 7th International Conference on Simulated Evolution and Learning
- Wijesinghe, D. & Ciesielski, V. (2008). 'Indexed FOR loops in genetic programming for learning regular binary strings', *Proceedings of the 7th International Conference on Simulated Evolution and Learning*, Li, X. et al. (ed.), The 7th International Conference on Simulated Evolution and Learning
- Wijesinghe, D. & Ciesielski, V. (2008). 'Parameterised indexed FOR-loops in genetic programming and regular binary pattern strings', *Proceedings of the 7th International Conference on Simulated Evolution and Learning. Lecture Notes in Computer Science Series No. 5361.*, Xiadong Li, et al (ed.), 7th International Conference on Simulated Evolution and Learning (SEAL 2008)
- Wijesinghe, D., Ciesielski, V. & Mat Sah, S. (2008). 'Grid vs. arbitrary placement of tiles for generating animated photomosaics', *IEEE World Congress on Computational Intelligence*, Zbigniew Michalewicz (ed.), IEEE World Congress on Computational Intelligence
- Wu, M., Scholer, F. & Turpin, A. (2008). 'User preference choices for complex question answering', *Thirty-first Annual International ACM SIGIR Conference on Research and Development in Information Retrieval*, Syung-Hyon Myaeng, Douglas W. Oard, Fabrizio Sebastiani, Tat-Seng Chua, Mun-Kew Leong (ed.), 31st Annual International ACM SIGIR Conference on Research and Development in Information Retrieval
- Zhang, Z., Thangarajah, J. & Padgham, L. (2008). 'Automated unit testing intelligent agents in PDT', *Proceedings of the 7th International Conference on Autonomous Agents and Multi Agent Systems (AAMAS-08)*, Padgham L., et al (ed.), 7th International Conference on Autonomous Agents and Multi Agent Systems (AAMAS-08)

Zhao, Y., Scholer, F. & Tsegay, Y. (2008). 'Effective pre-retrieval query performance prediction using similarity and variability evidence', *Advances in Information Retrieval*, C. Macdonald, I. Ounis, Plachouras, I. Ruthven, R.W. White (ed.), 30th European Conference on IR Research ECIR 2008

Electrical & Computer Engineering

Book Chapters

Dekic, M. & Simic, M. (2008). 'Wireless power transfer and its applications in automotive engineering', in *Meeting the Challenges to Sustainable Mobility*. Publishing Solutions Pty Ltd, Australia, 209 - 216, ISBN: 9781921426155

Eldridge, R. & Rudolph, H. (2008). 'Stereo vision for unrestricted human-computer interaction', in *Stereo Vision*. In-Tech Education and Publishing, Croatia, 49 - 58, ISBN: 978-953-7619-22-0

Fang, Q., Sufi, F. & Cosic, I. (2008). 'A mobile device based ECG analysis system', in *Data Mining in Medical and Biological Research*. I-Tech Education and Publishing KG, Austria, 209 - 226, ISBN: 978-953-7619-30-5

Galias, Z. & Yu, X. (2008). 'On Euler's discretization of sliding mode control systems with relative degree restriction', in *Modern Sliding Mode control Theory*. Springer, Germany, 119 - 133, ISBN: 978-3-540-79015-0

Garnier, H., Wang, L. & Young, P. (2008). 'Direct identification of continuous-time models from sampled data: Issues, basic solutions and relevance', in *Identification of Continuous-time Models from Sampled Data*. Springer Verlag, United Kingdom, 1 - 29, ISBN: 978-1-84800-160-2

Memon, S. & Lech, M. (2008). 'Speaker verification based on information theoretic vector quantization', in *Wireless Networks, Information Processing and Systems*. Springer, Germany, 391 - 399, ISBN: 978-3-540-89852-8

Radcliffe, P. & Rudolph, H. (2008). 'The death of competency; and some solutions', in *Innovations 2008: World Innovations in Engineering Education and Research*. Begell House Publishing, United States, 447 - 460, ISBN: 978-0-9741252-8-2

Rudolph, H. & Radcliffe, P. (2008). 'The silent rot: university warrant under threat', in *Innovations 2008 World Innovations in Engineering Education and Research*. Begell House Publishing & iNEER, USA, 435 - 446, ISBN: 978-0-9741252-8-2

Tari, Z., Bertok, P. & Simic, D. (2008). 'Dynamic flow control-based information management for web services', in *Web Services Research and Practices*. Cyber Tech Publishing, United States, 260 - 303, ISBN: 978-1-599-4-907-6

Wang, L. & Gawthrop, P. (2008). 'Estimation of the parameters of continuous-time systems using data compression', in *Identification of continuous-time Models from Sampled Data*. Springer Verlag, United Kingdom, 189 - 213, ISBN: 978-1-84800-160-2

Wang, L. & Young, P. (2008). 'Model order identification for continuous-time models', in *Identification of Continuous-time Models from Sampled Data*. Springer Verlag, United Kingdom, 161 - 187, ISBN: 978-1-84800-160-2

Wu, H., Tan, D., Cai, T. & Feng, D. (2008). 'Image Data Compression and Storage', in *Biomedical Information Technology*. Academic Press, United States, 51 - 81, ISBN: 978-0-12-373583-6

Yau, W., Kumar, D. & Chinnadurai, T. (2008). 'Lip-reading technique using spatio-temporal templates and support vector machines', in *Progress in Pattern Recognition, Image Analysis Applications*. Springer, Germany, 610 - 617, ISBN: 978-3-540-8591902

Journal Articles

Al-Mashat, L., Tran, H., Wlodarski, W., Kaner, R. & Kalantar Zadeh, K. (2008). 'Polypyrrole nanofiber surface acoustic wave gas sensors', in *Sensors and Actuators B: Chemical*, 134 (2), 826 - 831

- Al-Mashat, L., Tran, H., Wlodarski, W., Kaner, R. & Kalantar Zadeh, K. (2008). 'Conductometric hydrogen gas sensor based on polypyrrole nanofibers', in *IEEE Sensors Journal*, 8 (4), 365 - 370
- Arsat, R., Tan, S., Sadek, A., Shin, K., Ahn, D., Yoon, C., Kalantar Zadeh, K. & Wlodarski, W. (2008). 'Camphor sulfonic acid doped polyaniline/diamond nanofibers based $\text{NbO}_3/\text{LiNbO}_3$ surface acoustic wave H_2 gas sensor', in *Sensor Letters*, 6 (5), 1 - 4
- Beckett, P. (2008). 'A low-power reconfigurable logic array based on double-gate transistors', in *IEEE Transactions on Very Large Scale Integration Systems*, 16 (2), 115 - 123
- Bhaskaran, M., Sriram, S. & Holland, A. (2008). 'Accurate estimation of low ($< 10^{-8}$) $\Omega\cdot\text{cm}^2$ values of specific contact resistivity', in *IEEE Electron Device Letters*, 29 (3), 259 - 261
- Bhaskaran, M., Sriram, S. & Sim, L. (2008). 'Nickel silicide thin films as masking and structural layers for silicon bulk micro-machining by potassium hydroxide wet etching', in *Journal of Micromechanics and Microengineering: Structures, Devices and Systems*, 18 (9), 1 - 3
- Bhaskaran, M., Sriram, S., Mitchell, D. & Holland, A. (2008). 'Investigation of surface crystallites on C54 titanium silicide thin films using transmission electron microscopy', in *Semiconductor Science and Technology*, 23 (3), 1 - 3
- Bhaskaran, M., Sriram, S., Mitchell, D., Short, K. & Holland, A. (2008). 'Effect of multi-layered bottom electrodes on the orientation of strontium-doped lead zirconate titanate thin films', in *Thin Solid Films*, 516 (22), 8101 - 8105
- Campbell, J., Breedon, M., Latham, K. & Kalantar Zadeh, K. (2008). 'Electrowetting of superhydrophobic ZnO nanorods', in *Langmuir*, 24 (9), 5091 - 5098
- Cvetkovic, D., Cosic, I. & Subic, A. (2008). 'Improved performance of the electromagnetic fuel injector solenoid actuator using a modelling approach', in *International Journal of Applied Electromagnetics and Mechanics*, 27 (4), 251 - 273
- Cvetkovic, D., Fang, Q. & Cosic, I. (2008). 'Multiple human electrophysiological responses to extremely low frequency pulsed electromagnetic field exposures: A pilot study', in *Estonian Journal of Engineering*, 14 (2), 138 - 153
- Cvetkovic, D., Übeyli, E. & Cosic, I. (2008). 'Wavelet transform feature extraction from human PPG, ECG, and EEG signal responses to ELF PEMF exposures: A pilot study', in *Digital Signal Processing*, 18 (5), 861 - 874
- Dhawan, D., Bhargava, S., Tardio, J., Wlodarski, W. & Kalantar Zadeh, K. (2008). 'Gold coated nanostructured molybdenum oxide mercury vapour quartz crystal microbalance sensor', in *Sensor Letters*, 6, 231 - 236
- Djuwari, D., Kumar, D., Naik, G. & Poosapadi Arjunan, S. (2008). 'Limitations and applications of ICA for surface electromyogram validation for identifying hand gestures', in *International Journal of Computational Intelligence and Applications*, 7 (3), 281 - 300
- Djuwari, D., Kumar, D., Poosapadi Arjunan, S. & Naik, G. (2008). 'Limitations and applications of ICA for surface electromyogram for identifying hand gestures', in *International Journal of Computational Intelligence and Applications*, 7 (3), 281 - 300
- Emami, H., Sarkhosh, N., Bui, L. & Mitchell, A. (2008). 'Wideband RF photonic in-phase and quadrature-phase generation', in *Optics Letters*, 33 (2), 98 - 100
- Emami, H., Sarkhosh, N., Bui, L. & Mitchell, A. (2008). 'Amplitude independent RF instantaneous frequency measurement system using photonic Hilbert transform', in *Optics Express*, 16 (18), 13707 - 13710
- Feng, Y., Yu, X. & Sun, L. (2008). 'Synchronization of uncertain chaotic systems using a single transmission channel', in *Chaos, Solitons and Fractals*, 35, 755 - 762
- Galias, Z. & Yu, X. (2008). 'Analysis of zero-order holder discretization of two-dimensional sliding-mode control systems', in *IEEE Transactions on Circuits and Systems*, 55 (12), 1269 - 1273
- Han, Q., Xue, A., Liu, S. & Yu, X. (2008). 'Robust absolute stability criteria for uncertain Lur'e systems of neutral type', in *International Journal of Robust and Nonlinear Control*, 18 (3), 278 - 295

- He, L., Lech, M., Memon, S. & Allen, N. (2008). 'Detection of stress in speech using perceptual wavelet packet analysis', in *GESTS International Transactions on computer Science and Engineering*, 45 (1), 17 - 24
- James, G., Peng, W. & Deng, K. (2008). 'Managing household wind-energy generation', in *IEEE Intelligent Systems*, 23 (5), 9 - 12
- Kaciulis, S., Pandolfi, L., Comini, E., Faglia, G., Ferroni, M., Sberveglieri, G., Kandasamy, S., Shafiei, M. & Wlodarski, W. (2008). 'Nanowires of metal oxides for gas sensing applications', in *Surface and Interface Analysis*, 40 (3-4), 575 - 578
- Kandasamy, S., Ghantasala, M., Holland, A., Li, Y., Bliznyuk, V., Wlodarski, W. & Mitchell, A. (2008). 'Heat treatment effects on the formation of lanthanum-modified lead zirconate titanate thin films', in *Materials Letters*, 62, 370 - 373
- Kostovski, G., Mitchell, A., Holland, A. & Austin, M. (2008). 'Sidewall corrugation lithography: Bulk fabrication of ordered nanowires, nanoribbons, and nanorings', in *Applied Physics Letters*, 92 (22), 1 - 3
- Leech, P., Holland, A., Sriram, S. & Bhaskaran, M. (2008). 'Patterning of PLZT and PSZT thin films by excimer laser', in *Applied Physics A: Materials Science and Processing*, 91 (4), 679 - 684
- Mahmoud, S., Al-Qahtani, F., Hussain, Z. & Gopalakrishnan, A. (2008). 'Spatial and temporal statistics for the geometrical-based hyperbolic macrocell channel model', in *Digital Signal Processing*, 18 (2), 151 - 167
- Monat, C., Domachuk, P., Grillet, C., Collins, M., Eggleton, B., Croning-Golomb, M., Mutzenich, S., Mahmud, T., Rosengarten, G. & Mitchell, A. (2008). 'Optofluidics: A novel generation of reconfigurable and adaptive compact architectures', in *Microfluidics and Nanofluidics*, 4, 81 - 95
- Muntean, G., Ghinea, G., Frossard, P., Etoh, M., Speranza, F. & Wu, H. (2008). 'Advanced solutions for quality-oriented multimedia broadcasting', in *IEEE Transactions on Broadcasting*, 54 (3), 494 - 498
- Naik, G., Kumar, D., Poosapadi Arjunan, S. & Palaniswami, M. (2008). 'Independent component approach to the analysis of hand gesture sEMG and facial sEMG', in *Biomedical Engineering-Applications Basis Communications*, 20 (2), 83 - 93
- Partridge, J., Field, M., Peng, J., Sadek, A., Kalantar Zadeh, K., Du Plessis, J. & McCulloch, D. (2008). 'Nanostructured SnO₂ films prepared from evaporated Sn and their application as gas sensors', in *Nanotechnology*, 19 (12), 1 - 5
- Penza, M., Aversa, P., Cassano, G., Suriano, D., Wlodarski, W., Cannata, D., Dipietrantonio, F. & Verona, E. (2008). 'Thin-film bulk-acoustic-resonator gas sensor functionalized with a nanocomposite langmuir-blodgett layer of carbon nanotubes', in *IEEE Transactions on Electron Devices*, 55 (5), 1237 - 1243
- Perentos, N., Iskra, S., McKenzie, R. & Cosic, I. (2008). 'Simulation of pulsed ELF magnetic fields generated by GSM mobile phone handsets for human electromagnetic bioeffects research', in *Australasian Physical and Engineering Sciences in Medicine*, 31 (3), 235 - 242
- Pirogova, E., Cosic, I., Fang, Q. & Vojisavljevic, V. (2008). 'Use of infrared and visible light radiation as modulator of protein activity', in *Estonian Journal of Engineering*, 14 (2), 107 - 123
- Radcliffe, P. & Rudolph, H. (2008). 'Plagiarism prevention using automated tools', in *Australasian Journal of Engineering Education*, 14 (1), 13 - 22
- Sadek, A., Buso, D., Martucci, A., Mulvaney, P., Wlodarski, W. & Kalantar Zadeh, K. (2008). 'Titanium dioxide-based 64 degrees YX LiNbO₃ surface acoustic wave hydrogen gas sensors', in *Journal of Sensors*, 2008, 1 - 5
- Sadek, A., Wlodarski, W., Shin, K., Kaner, R. & Kalantar Zadeh, K. (2008). 'A polyaniline/WO₃ nanofiber composite-based ZnO/64 degrees YX LiNbO₃SAW hydrogen gas sensor', in *Synthetic Metals*, 158 (1-2), 29 - 32
- Sadik, A., Hussain, Z. & O'Shea, P. (2008). 'DC cancellation in the single-bit domain using ternary filtering', in *International Journal of Electronics*, 95 (11), 1167 - 1180
- Sarkhosh, N., Emami, H., Bui, L. & Mitchell, A. (2008). 'Reduced cost photonic instantaneous frequency measurement system', in *IEEE Photonics Technology Letters*, 20 (18), 1521 - 1523

- Subic, A. & Cvetkovic, D. (2008). 'Virtual design and development of compact fast-acting fuel injector solenoid actuator', in *International Journal of Vehicle Design*, 46 (3), 309 - 327
- Sufi, F. & Khalil, I. (2008). 'Enforcing secured ECG transmission for realtime telemonitoring: A joint encoding, compression, encryption mechanism', in *Journal of Security and Communication Networks*, 1, 389 - 405
- Sukhorukov, A., Neshev, D., Dreischuh, A., Krolikowski, W., Bolger, J., Eggleton, B., Bui, L., Mitchell, A. & Kivshar, Y. (2008). 'Observation of polychromatic gap solitons', in *Optics Express*, 16 (9), 5991 - 5996
- Szameir, A., Garanovich, I., Heinrich, M., Minovich, A., Dreisow, F., Sukhorukov, A., Pertsch, T., Neshev, D., Nolte, S., Krolikowski, W., Tunnermann, A., Mitchell, A. & Kivshar, Y. (2008). 'Observation of diffraction-managed discrete solitons in curved waveguide arrays', in *Physical Review A*, 78 (3), 031801-1 - 031801-4
- Tous, R., Doller, M., Gruhne, M., Yoon, K., Sano, M. & Burnett, I. (2008). 'The MPEG query format: unifying access to multimedia retrieval systems', in *IEEE MultiMedia*, 15 (4), 82 - 95
- Tovar Lopez, F., Mitchell, A. & Rosengarten, G. (2008). 'Characterization of flows in micro contractions using micro PIV and CFD to study the protein aggregation process', in *Progress in Biomedical Optics and Imaging*, 8 (50), 67990X-1 - 67990X-11
- Trinchi, A., Kandasamy, S. & Wlodarski, W. (2008). 'High temperature field effect hydrogen and hydrocarbon gas sensors based on SiC MOS devices', in *Sensors and Actuators B: Chemical*, 133 (2), 705 - 716
- Trpkovski, S., Gibson, B., Simpson, D., Ampem-Lassen, E., Hossein, F., Hollenberg, L., Prawer, S., Huntington, S., Bui, L., Mitchell, A., Kaalund, C., Hiscocks, M., Ladouceur, F. & Butler, J. (2008). 'Integration of microwave plasma CVD diamond with optical waveguides: Towards the realisation of diamond-based photonic devices', in *Industrial Diamond Review*, 68 (1), 28 - 31
- Truong, N., Wang, L. & Wong, P. (2008). 'Modelling and short-term forecasting of daily peak power demand in Victoria using two-dimensional wavelet based SDP models', in *International Journal of Electrical Power and Energy Systems*, 30 (9), 511 - 518
- Übeyli, E., Cvetkovic, D. & Cosic, I. (2008). 'AR spectral analysis technique for human PPG, ECG and EEG signals', in *Journal of Medical Systems*, 32 (3), 201 - 206
- Venkatachalam, D., Sood, D. & Bhargava, S. (2008). 'Spiral patterns of gold nanoclusters in silicon(100) produced by metal vapour vacuum arc implantation of gold ions', in *Nanotechnology*, 19 (1), 1 - 8
- Wang, B., Yu, X. & Li, X. (2008). 'ZOH discretization effect on high-order sliding-mode control systems', in *IEEE Transactions on Industrial Electronics*, 55 (11), 4055 - 4064
- Wang, L., Smith, S. & Chessari, C. (2008). 'Continuous-time model predictive control of food extruder', in *Control Engineering Practice*, 16 (10), 1173 - 1183
- Wang, Y., Li, Y., Kalantar Zadeh, K., Wang, T., Wang, D. & Yin, Q. (2008). 'Effect of Bi³⁺ ion on piezoelectric properties of K_xNa_{1-x}NbO₃', in *Journal of electroceramics*, 21, 629 - 632
- Yau, W., Kumar, D. & Hans, W. (2008). 'Vision-based technique for secure recognition of voice-less commands', in *International Journal of electronic Security and digital Forensics*, 1 (4), 323 - 335
- Yau, W., Kumar, D. & Poosapadi Arjunan, S. (2008). 'Visual speech recognition using dynamic features and support vector machines', in *International Journal of Image and Graphics*, 8 (3), 419 - 437
- Yu, X., Li, Y., Wlodarski, W., Kandasamy, S. & Kalantar Zadeh, K. (2008). 'Fabrication of nanostructured TiO₂ by anodization: A comparison between electrolytes and substrates', in *Sensors and Actuators B: Chemical*, 130 (1), 25 - 31
- Yu, X., Wang, B., Galias, Z. & Chen, G. (2008). 'Discretization effect on equivalent control-based multi-input sliding-mode control systems', in *IEEE Transactions on Automatic Control*, 53 (6), 1563 - 1569

Conference Proceedings

- Abdullah, K., Neville, K. & Hussain, Z. (2008). 'An interference cancellation algorithm for fourier-based and wavelet-based OFDM systems', *2008 International Conference on Advanced Technologies for Communications*, Xuan-Tu Tran (ed.), 2008 International Conference on Advanced Technologies for Communications (ATC-2008)
- Adistambha, K., Ritz, C. & Burnett, I. (2008). 'Motion classification using dynamic time warping', *Proceedings of the 2008 IEEE 10th Workshop on Multimedia Signal Processing*, D. Feng, T. Sikora, W.C. Siu, J. Zhang, L. Guan, J-L. Dugelay, Q. Wu, W. Li (ed.), 2008 IEEE 10th Workshop on Multimedia Signal Processing
- Agrawal, H., Jennings, A., Gregory, M. & Channa, D. (2008). 'Robust Routing', *Proceedings of the Seventh IEEE/ACIS International Conference on Computer and Information Science*, Roger Lee (ed.), Seventh IEEE/ACIS International Conference on Computer and Information Science
- Al Mawali, K., Sadik, A. & Hussain, Z. (2008). 'Joint time-domain / frequency-domain impulsive noise reduction in OFDM-based power line communications', *Australasian Telecommunications Networks and Applications Conference 2008 (ANTAC-2008)*, Aruna Jayasuriya (ed.), Australasian Telecommunications Networks and Applications Conference 2008 (ANTAC-2008)
- Al-Hinai, N., Al Mawali, K., Sadik, A. & Hussain, Z. (2008). 'Optimum wavelet thresholding based on structural similarity quality assessment for FFT-OFDM', *2008 International Conference on Advanced Technologies for Communications*, Xuan-Tu Tran (ed.), 2008 International Conference on Advanced Technologies for Communications (ATC-2008)
- Al-Mashat, L., Tran, H., Kaner, R., Arsat, R., Kalantar Zadeh, K. & Wlodarski, W. (2008). 'A hydrogen gas sensor fabricated from polythiophene nanofibers deposited on a 360 YX LiTaO₃ layered surface acoustic wave transducer', *Structures, Devices and Systems IV (Volume 7268)*, Said F. Al-Sarawi, Vijay K. Varadan, Neil Weste, Kourosh Kalantar-Zadeh (ed.), 2008 SPIE International Symposium on Smart Materials, Nano+Micro-Smart Materials
- Al-Qahtani, F., Zummo, S., Gurung, A. & Hussain, Z. (2008). 'On the spectral efficiency for selection combiner diversity (SCD) over slow fading', *Australasian Telecommunication Networks and Applications Conference 2008*, Aruna Jayasuriya (ed.), Australasian Telecommunication Networks and Applications Conference 2008
- Arsat, R., Breedon, M., Shafiei, M., Kalantar Zadeh, K., Wlodarski, W., Gilje, S., Kaner, R. & Arregui, F. (2008). 'Graphene-like nan-sheets/36degree LiTaO₃ surface acoustic wave hydrogen gas sensor', *Proceedings of the 7th IEEE Conference on Sensors*, Conference Editorial Board (ed.), 7th IEEE Conference on Sensors
- Baghai - Wadji, A. & Ahmed, I. (2008). 'A novel approach for the symbolic calculation of polynomial integrals arising in 2D and 3D FEM applications', *Proceedings of SPIE: Micro+ Nanotechnology: Materials, Processes, Packaging and Systems IV (Volume 7269)*, Jung-Chich Chiao, Alex j Hariz, David V Thiel, Changyi Yang (ed.), 2008 SPIE International Symposium on Smart Materials, Nano+Micro-Smart Materials
- Batbayar, B. & Yu, X. (2008). 'An improved Levenberg-Marquardt learning algorithm for neural networks based on terminal attractors', *Proceedings of the Inaugural Symposium on Electrical Energy Evolution in China and Australia*, Zho Yang Dong (ed.), 2nd International Symposium on electrical Energy Evolution in China and Australia
- Becker, W., Yu, X. & Tu, J. (2008). 'An adaptive grid method and its application to CFD learning and prediction', *Proceedings 34th Annual Conference of the IEEE Industrial Electronics Society (IECON 2008)*, John Y. Hung and Leopoldo Garcia Franquelo (ed.), 34th Annual Conference of the IEEE Industrial Electronics society (IECON 2008)
- Beckett, P. (2008). 'Performance characteristics of a nanoscale double-gate reconfigurable array', *Proceedings of SPIE, Vol. 7268*, Said F. Al-Sarawi, Vijay K. Varaden, Neil Weste, Kourosh Kalantar-Zadeh (ed.), SPIE - Smart Structures, Devices and Systems IV
- Belski, I. (2008). 'Acquiring a holistic picture: The 4screens web-based simulator helping students to unify behaviours of electronic systems', *Proceedings of the 8th IEEE International Conference on Advanced Learning Technologies*, Paloma Diaz Kinshuk, Ignacio Aedo, Eduardo Mora (ed.), 8th IEEE International Conference on Advanced Learning Technologies
- Belski, I. & Belski, I. (2008). 'Cognitive foundations of TRIZ problem-solving tools', *Proceedings of the TRIZ-Future Conference 2008 'Synthesis in Innovation'*, T. Vaneker, E. Lutters (ed.), TRIZ-Future Conference 2008 'Synthesis in Innovation'
- Breedon, M., Yu, J., Wlodarski, W. & Kalantar Zadeh, K. (2008). 'ZnO nanostructured arrays grown from aqueous solutions on different substrates', *Proceedings of the 2008 International Conference on Nanoscience and*

Nanotechnology, Paul Mulvaney, Abid Khan (ed.), 2008 International Conference on Nanoscience and Nanotechnology

Bui, D. & Jennings, A. (2008). 'Relay path selection approaches in peer-to-peer Voip systems', *2008 Australasian Telecommunication Networks and Applications Conference*, Hugh Bradlow, Michael Rumsewicz (ed.), 2008 Australasian Telecommunication Networks and Applications Conference

Cai, N., Wang, J. & Yu, X. (2008). 'SCADA system security: Complexity, history and new developments', *Proceedings IEEE INDIN 2008 6th IEEE International conference on Industrial Informatics*, Ju-Jang Lee, Xinghuo Yu (ed.), 6th IEEE International Conference on Industrial Informatics

Cao, J. & Gregory, M. (2008). 'Performance evaluation of VOIP services using different CODECs over a UMTS network', *Proceedings from 2008 Australasian Telecommunication Networks and Applications Conference*, Michael Rumsewicz (ed.), 2008 Australasian Telecommunication Networks and Applications Conference

Cheng, B., Ritz, C. & Burnett, I. (2008). 'Binaural reproduction of spatially squeezed surround audio', *2008 9th International Conference on Signal Processing Proceedings*, Yuan B, Ruan Q, Tang X (ed.), 2008 9th International Conference on Signal Processing (ICSP '08)

Cheng, E., Burnett, I. & Ritz, C. (2008). 'Multivariate autoregressive modelling of multichannel reverberant speech', *Proceedings of the 2008 10 Workshop on Multimedia Signal Processing*, D. Feng, T. Sikora, W.C. Siu, J. Zhang, L. Guan, J-L. Dugelay, Q. Wu, W. Li (ed.), 2008 IEEE 10th Workshop on Multimedia Signal Processing

Cheng, E., Cheng, B., Ritz, C. & Burnett, I. (2008). 'Spatialized teleconferencing: Recording and 'squeezed' rendering of multiple distributed sites', *2008 Australasian Telecommunication Networks and Applications Conference (ATNAC 2008)*, Not stated (ed.), 2008 Australasian Telecommunication Networks and Applications Conference (ATNAC 2008)

Cvetkovic, D. & Cosic, I. (2008). 'Sleep onset estimator: evaluation of parameters', *Proceedings of the 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, Guy Dumont, Henrietta Galiana, Paolo Vicini, Jose Principe (ed.), 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society

Cvetkovic, D., Übeyli, E., Holland, G. & Cosic, I. (2008). 'Alterations in sleep EEG activity during the hypopnoea episodes', *Proceedings of the 30th Annual International conference of the IEEE Engineering in Medicine and biology Society: Personalised healthcare Through Technology*, Guy Dumont, Henrietta Galiana, Paolo Vicini, Jose Principe (ed.), 30th Annual International conference of the IEEE Engineering in Medicine and biology Society

Dodd, R., Chiou, A., Yu, X. & Broadfoot, R. (2008). 'A smart supervisory control system framework for a sugar mill crystallisation stage', *Proceedings of the 6th IEEE International conference on Industrial Informatics (INDIN 2008)*, Ju-Jang Lee, Xinghuo Yu (ed.), 6th IEEE International conference on Industrial Informatics (INDIN 2008)

Duckworth, J., Wilson, P., Mumford, N., Eldridge, R., Thomas, P. & Shum, D. (2008). 'Elements: Art and Play in a Multi-Modal Interactive Workspace for Upper Limb Movement Rehabilitation', *Proceedings of ISEA2008*, Ingrid Maria Hoofd, Margaret Tan, Katherine Ho Kit Ying (ed.), 14th International Symposium on Electronic Art

Elmezughi, A., Rowe, W. & Waterhouse, P. (2008). 'Cavity backed hi-lo stacked patch antennas', *IEEE International AP-S Symposium*, Michael Thorburn (ed.), 2008 IEEE International Symposium on Antennas and Propagation and USNC/URSI National Radio Science Meeting

Emami, H., Sarkhosh, N., Bui, L. & Mitchell, A. (2008). 'RF photonic instantaneous frequency measurement using DC photo-detection', *Proceedings from the Joint Conference of the Opto-Electronics and Communications Conference 2008 and the 2008 Australian Conference on Optical Fibre Technology OECC/ACOFT 2008*, Ben Eggleton (ed.), OECC/ACOFT 2008 Conference

Feng, Y., Wang, L. & Luo, W. (2008). 'Laguerre functions based nonlinear model predictive control using multi-model approach', *Proceedings IECON 2008 of the 34th Annual Conference of the IEEE Industrial Electronics Society (IECON 2008)*, John Y Hung; Leopoldo G Franquelo (ed.), The 34th Annual Conference of IEEE Industrial Electronics Society (IECON 2008)

Fu, W., Lopez-Lara, E., Rowe, W. & Ghorbani, K. (2008). 'A compact broadband spiral antenna', *Proceedings from the 2008 Asia-Pacific Microwave Conference*, Edward K.N. Yung (ed.), 2008 Asia-Pacific Microwave Conference

- Galias, Z. & Yu, X. (2008). 'Study of zero-order holder discretization in single input sliding mode control systems', *ISCAS 2008 Green Circuits and Systems: Engineering the Environmental Revolution*, David Allstot, Mani Soma (ed.), 2008 IEEE International Symposium on Circuits and Systems
- Gawthrop, P. & Wang, L. (2008). 'Towards model-based continuous-time identification of the human balance controller', *Proceedings of the 17th World Congress of the International Federation of Automatic Control*, Myung Jin Chung, Pradeep Misra (ed.), 17th World Congress of the International Federation of Automatic Control (IFAC 2008)
- Grah, M. & Radcliffe, P. (2008). 'Dynamic QoS and network control for commercial VoIP systems in future heterogenous networks', *Proceedings of the 16th International Conference on Software, Telecommunications and Computer Networks (SoftCOMM2008)*, N. Rozic, Begusic (ed.), 16th International Conference on Software, Telecommunications and Computer Networks (SoftCOMM2008)
- Gregory, M. & White, C. (2008). 'TRManager - technical risk manager', *Proceedings of the 12th World Multi-Conference on Systemics, Cybernetics and Informatics, Volume V*, N. Callos, W. Lesso, et al (ed.), 12th World Multi-Conference on Systemics, Cybernetics and Informatics
- Gurung, A., Al-Qahtani, F., Sadik, A. & Hussain, Z. (2008). 'One-iteration-clipping-filtering (OICF) scheme for PAPR reduction of OFDM systems', *Proceedings of the 2008 International Conference on Advanced Technologies for Communications*, Xuan-Tu Tran (ed.), 2008 International Conference on Advanced Technologies for Communications
- Gurung, A., Al-Qahtani, F., Sadik, A. & Hussain, Z. (2008). 'Power savings analysis of clipping and filtering method in OFDM systems', *2008 Australasian Telecommunication Networks and Applications Conference*, Aruna Jayasuriya (ed.), 2008 Australasian Telecommunication Networks and Applications Conference (ANTAC 2008)
- He, L., Lech, M., Memon, S. & Allen, N. (2008). 'Recognition of stress in speech using wavelet analysis and teager energy operator', *9th Annual Conference, International Speech Communication Association and 12 Biennial Conference, Australasian Speech Science and Technology Association*, Interspeech 2008 Editorial Board (ed.), 9th Annual Conference, International Speech Communication Association and 12 Biennial Conference, Australasian Speech Science and Technology Association
- Huang, J. & Wang, L. (2008). 'Step response identification for a magnetic bearing system based on frequency-sampling filter model', *Proceedings from the 7th World Congress on Intelligent Control and Automation*, Yue Sun (ed.), 7th World Congress on Intelligent Control and Automation
- Jennings, A., Gregory, M. & Agrawal, H. (2008). 'Robust traffic engineering', *Proceedings of the 2nd IEEE Symposium on Advanced Networks and Telecommunication Systems*, Biswanath Mukherjee (ed.), IEEE Advanced Networks and Telecommunication Systems 2008
- Khor, K. & Wong, K. (2008). 'Partial discharge sensing in overhead distribution line', *Australasian Universities Power Engineering Conference 2008*, Faz Rahman (ed.), Australasian Universities Power Engineering Conference 2008 (AUPEC'08)
- Khoshmanesh, K., Tovar Lopez, F., Nasabi, M., Kouzani, A., Nahavandi, S., Kanwar, J., Baratchi, S., Kalantar Zadeh, K. & Mitchell, A. (2008). 'Mixing characterisation for a serpentine microchannel equipped with embedded barriers', *Biomedical Applications of Micro-and Nanoengineering IV and Complex Systems (Proceedings Volume)*, Dan V Nicolau, Guy Metcalfe (ed.), 2008 SPIE International Symposium on Smart Materials, Nano+Micro-Smart Materials
- Kostovski, G., White, D., Mitchell, A., Austin, M. & Stoddart, P. (2008). 'Nanoimprinted optical fibres: Biotemplated nanostructures for SERS sensing', *Proceedings of the Joint Conference of the 2008 Opto-Electronics and Communications Conference and the 2008 Australian conference on Optical Fibre Technology (OECC/ACOFT 2008)*, Engineers Australia (ed.), OECC/ACOFT 2008 Conference
- Kostovski, G., White, D., Mitchell, A., Austin, M. & Stoddart, P. (2008). 'Nanoimprinting on optical fibre end faces for chemical sensing', *Proceedings of SPIE, Volume 7004: 19th International Conference on Optical Fibre Sensors*, David Sampson, Stephen Collins, Kyunghwan Oh, Ryoza Yamauchi (ed.), 19th International Conference on Optical Fibre Sensors
- Lajevardi, S. & Lech, M. (2008). 'Facial expression recognition from image sequences using optimized feature selection', *2008 23rd International Conference Image and Computing New Zealand (IVCNZ 2008)*, Kenji Irie, David Pairman (ed.), 2008 23rd International Conference Image and Computing New Zealand (IVCNZ 2008)

- Lajevardi, S. & Lech, M. (2008). 'Facial expression recognition using neural networks and log-Gabor filters', *Digital Image Computing: Techniques and Applications (DICTA)*, Silvia Ceballos (ed.), Digital Image Computing: Techniques and Applications (DICTA)
- Lajevardi, S. & Lech, M. (2008). 'Averaged Gabor filter features for facial expression recognition', *Digital Image Computing: Techniques and Applications (DICTA 2008)*, DICTA Editorial Board (ed.), Digital Image Computing: Techniques and Applications (DICTA 2008)
- Leech, P., Holland, A., Sriram, S. & Bhaskaran, M. (2008). 'UV laser ablation of PLZT and PSZT films', *Passive and Electromechanical Materials and Integration. Materials Research Society Symposium Proceedings. Vol. 1075E*, Y.S. Cho, G.K. Fedder, H.A.C. Tilmans, T. Tsurumi (ed.), Materials Research Society Symposium Proceedings Spring 2008
- Leong, K., So, Y., Ng, V., Li, M. & Chee, T. (2008). 'XT algorithm for business data exchange', *SS-TCL: Tracking, Communication and Laser Technology*, Kyoung-Taik Park; Bin Wang (ed.), 6th IEEE International Conference on Industrial Informatics
- Li, L., Huang, X. & Yu, X. (2008). 'Power generation loading optimization using a multi-objective constraint-handling method via PSO algorithm', *Proceedings IEEE INDIN 2008 6th IEEE International Conference on Industrial Informatics*, Ju-Jang Lee, Xinghuo Yu (ed.), 6th IEEE International Conference on Industrial Informatics
- Li, X., Yu, X., Han, Q. & Wang, C. (2008). 'Stability analysis of time-delayed single-input sliding mode control systems', *Proceedings IECON 2008 34th Annual conference of the IEEE Industrial Electronics Society (IECON 2008)*, John Y. Hung and Leopoldo Garcia Franquelo (ed.), 34th Annual Conference of the IEEE Industrial Electronics Society (IECON 2008)
- Liu, X., Fang, Q., Zheng, S. & Cosic, I. (2008). 'Electrical impedance spectroscopy investigation on banana ripening', *International Society for Horticultural Science Acta Horticulturae 804: Europe-Asia Symposium on Quality Management in Postharvest Systems - Eurasia 2007*, S. Kanlayanarat, E.W. Hewitt, I.B. Ferguson (ed.), Europe-Asia Symposium on Quality Management in Postharvest Systems - Eurasia 2007
- Liu, X., Fang, Q., Zheng, S., Cosic, I. & Cao, P. (2008). 'Electrical impedance spectroscopy investigation on cucumber dehydration', *International Society for Horticultural Science Acta Horticulturae 804: Europe-Asia Symposium on Quality Management in Postharvest Systems - Eurasia 2007*, S. Kanlayanarat, E.W. Hewitt, I.B. Ferguson (ed.), Europe-Asia Symposium on Quality Management in Postharvest Systems - Eurasia 2007
- Lunn, T., Sivan, V., Bui, L. & Mitchell, A. (2008). 'Fabrication and characterisation of metal clad optical waveguides', *Photonics: Design, Technology, and Packaging III (Proceedings Volume)*, Wieslaw Z Krolikowski, Costas M Soukoulis, Ping Koy Lam, Timothy J Davis, Shanhui Fan, Yuri S Kivshar (ed.), 2008 SPIE International Symposium on Smart Materials, Nano+Micro-Smart Materials
- Mahmud, T., Zeller, E., Kamutsch, C. & Mitchell, A. (2008). 'Lithographically defined intersecting optical waveguides and fluidic channels', *Micro- and Nanotechnology: Materials, Processes Packaging and Systems IV (Proceedings Volume)*, Jung-Chich Chiao, Alex J Hariz, David V Thiel, Changyi Yang (ed.), 2008 SPIE International Symposium on Smart Materials, Nano+Micro-Smart Materials
- Man, Z., Shen, W. & Yu, X. (2008). 'A new terminal sliding mode tracking control for a class of nonminimum phase systems with uncertain dynamics', *10th International Workshop on Variable Structure Systems (VSS '08)*, IEEE (ed.), 10th International Workshop on Variable Structure Systems (VSS '08)
- Mardi, N. & Wang, L. (2008). 'Subspace-based model predictive control with data prefiltering', *Proceedings of UKACC International Conference on Control 2008*, Hong Wang (ed.), UKACC International Conference on Control 2008
- Matthews, G. & Baghai - Wadji, A. (2008). 'Joint time-frequency analysis of micro-acoustic devices', *Proceedings of SPIE: Micro+ Nanotechnology: Materials, Processes, Packaging and Systems IV (Volume 7269)*, Jung-Chich Chiao, Alex J. Hariz, David V Thiel, Changyi Yang (ed.), 2008 SPIE International Symposium on Smart Materials, Nano+Micro-Smart Materials
- Mei, L., Wu, H. & Tan, D. (2008). 'A wavelet interlaced video coding framework', *2008 Digest of Technical Papers: International Conference on Consumer Electronics*, Uwe E. Kraus (ed.), International Conference on Consumer Electronics

- Memon, S. & Lech, M. (2008). 'Using information theoretic vector quantization for GMM based speaker verification', *16th European Signal Processing Conference (EUSIPCO)*, R. Reilly (ed.), 16th European Signal Processing Conference (EUSIPCO)
- Mohammad, N., Lovenitti, P. & Vinay, T. (2008). 'Effective diaphragm area of spring-supported capacitive MEMS microphone designs', *Proceedings of SPIE: Smart Structures, Devices, and Systems IV*, Said F. Al-Sarawi, Vijay K. Varadan, Neil Weste, Kourosh Kalantar-Zadeh (ed.), 2008 SPIE International Symposium on Smart Materials, Nano and Micro-Smart Systems
- Mohd Mokhtar, R. & Wang, L. (2008). '2-stage approach for continuous time identification using step response estimates', *Proceedings of the 2008 IEEE International Conference on Systems, Man and Cybernetics*, Aun-Neow Poo (ed.), 2008 IEEE International Conference on Systems, Man and Cybernetics (SMC 2008)
- Mohd-Mokhtar, R. & Wang, L. (2008). 'Continuous time state space model identification using closed-loop data', *Proceedings of the 2008 2nd Asia International Conference on Modelling and Simulation*, Lisa O'Conner (ed.), 2008 2nd Asia International Conference on Modelling and Simulation
- Mumford, N., Duckworth, J., Eldridge, R., Guglielmetti, M., Thomas, P., Rudolph, H. & Wilson, P. (2008). 'A virtual tabletop workspace for upper-limb rehabilitation in Traumatic Brain Injury (TBI): A multiple case study evaluation', *Proceedings of the Annual Conference on Virtual Rehabilitation 2008*, Burdea, G (ed.), Virtual Rehabilitation 2008
- Muradoglu, M. & Baghai - Wadji, A. (2008). 'On the anatomy of wannier functions in photonic structures', *Proceedings for 4th International Conference on Ultrawideband and Ultrashort Impulse Signals 2008*, Prof. Nikolay N Kolchigin (ed.), 2008 4th International Conference on Ultrawideband and Ultrashort Impulse Signals
- Muradoglu, M. & Baghai - Wadji, A. (2008). 'Construction of wannier functions in photonic structures', *Proceedings of SPIE: Micro+ Nanotechnology: Materials, Processes, Packaging and Systems IV (Volume 7269)*, Jung-Chich Chiao, Alex J Hariz, David V Thiel, Changyi Yang (ed.), 2008 SPIE International Symposium on Smart materials, Nano+Micro-Smart Materials
- Naik, G., Kumar, D. & Palaniswami, M. (2008). 'Addressing source separation and identification issues in surface EMG using blind source separation', *Proceedings of the 30th Annual International IEEE EMBS Conference*, Guy Dumont (ed.), 30th Annual International IEEE EMBS Conference
- Naik, G., Kumar, D. & Palaniswami, M. (2008). 'Identification of independent biological sensors - electromyogram example', *Proceedings of the 30th Annual International IEEE EMBS Conference*, Guy Dumont (ed.), 30th Annual International IEEE EMBS Conference
- Naik, G., Kumar, D. & Palaniswami, M. (2008). 'Multi run ICA and surface EMG based signal processing system for recognising hand gestures', *Proceedings of the IEEE 8th International Conference on Computer and Information Technology*, Qiang Wu, Xiangjian He, Quang Vinh Nguyen et al (ed.), IEEE 8th International Conference on Computer and Information Technology (CIT 2008)
- Naik, G., Kumar, D. & Palaniswami, M. (2008). 'Source identification and separation using global matrix parameters of ICA', *Proceedings of the 8th International Conference on Computer and Information Technology Workshops*, Susan Rowley (ed.), CIT 2008
- Naik, G., Kumar, D. & Palaniswami, M. (2008). 'Source identification and separation using sub-band ICA of sEMG', *Proceedings of ICEEE TENCON 2008*, V.P. Kodali, M. Vidyasagar (ed.), ICEEE TENCON 2008
- Naik, G., Kumar, D. & Poosapadi Arjunan, S. (2008). 'Multi modal gesture identification for HCI using surface EMG', *12th International MindTrek Conference: Entertainment and Media in the Ubiquitous Era*, Artur Lagmayr, Mayra Helja Franssila, Katri Lietsala (ed.), 12th International MindTrek Conference: Entertainment and Media in the Ubiquitous Era
- Naik, G., Kumar, D. & Poosapadi Arjunan, S. (2008). 'Reliability of facial muscle activity to identify vowel utterance', *Proceedings of TENCON 2008 IEEE Region 10 Conference*, V.P. Kodali, M. Vidyasagar (ed.), TENCON 2008 IEEE Region 10 Conference
- Nasabi, M., Mitchell, A., Kalantar Zadeh, K. & Nesbitt, W. (2008). 'Microstamp patterning of protein arrays', *Proceedings of the 2008 International Conference on Nanoscience and Nanotechnology*, Paul Mulvaney, Abid Khan (ed.), 2008 International Conference on Nanoscience and Nanotechnology (ICONN2008)

- Neville, K. & Hussain, Z. (2008). 'FFT-OFDM for compressed image transmission: performance using structural similarity', *Proceedings of the 2008 International Conference on Advanced Technologies for Communications*, Xuan-Tu Tran (ed.), 2008 International Conference on Advanced Technologies for Communications
- Nguyen, G., Sekhar, R., Webster, M., Koch, T. & Mitchell, A. (2008). 'Analysis of lateral leakage loss in silicon-on-insulator thin-rib waveguides', *2008 OECC/ACOFT Conference 2008*, Engineers Australia (ed.), 13th Optoelectronics and Communications Conference (OECC) held jointly with the 33rd Australian Conference on Optical Fibre Technology (ACOFT)
- Nguyen, L., Phong, D., Hussain, Z., Huynh, H., Morgan, V. & Gore, J. (2008). 'Compressed sensing using chaos filters', *2008 Australasian Telecommunications Networks and Applications Conference*, Aruna Jayasuriya (ed.), 2008 Australasian Telecommunications Networks and Applications Conference
- Niyogi, S., Scott, J. & Ghorbani, K. (2008). 'Variable directional coupler employing microfluidics', *Proceedings of the 38th European Microwave Conference*, Peter Hoogeboom (ed.), 38th European Microwave Conference
- Pathak, S., Ghorbani, K. & Scott, J. (2008). 'RF vector sum phase shifter using a novel variable directional coupler', *Proceedings of 2008 Asia-Pacific Microwave Conference*, Edward K.N. Yung (ed.), 2008 Asia-Pacific Microwave Conference
- Pathak, S., Sokolowski, P., Dwivedi, A., Buratto, F., Yu, X. & Wong, K. (2008). 'Investigation of pole fire on a 22kV wooden power pole structure', *Symposium on Electrical Energy Evolution in China and Australia*, Geoffrey James (ed.), Symposium on Electrical Energy Evolution in China and Australia
- Pell, B., Rowe, W., Sulic, E., Ghorbani, K., John, S., Gupta, R., Zhang, K. & Hughes, B. (2008). 'Experimental study of the effect of paint on embedded automotive antennas', *Proceedings of the 67th IEEE Vehicular Technology Conference 2008, VTC, 2008*, Mario Gerla (ed.), Vehicular Technology Conference 2008,
- Pell, B., Sulic, E., Rowe, W., Ghorbani, K., John, S., Gupta, R. & Zhang, K. (2008). 'The design and realization of uniplanar CPW fed PICA slot antennas', *Proceedings of the 2008 Asia-Pacific Microwave Conference*, Edward K.N. Yung (ed.), 2008 Asia-Pacific Microwave Conference (AMPC 2008)
- Perentos, N., Croft, R., McKenzie, R., Cvetkovic, D. & Cosic, I. (2008). 'The effect of GSM-like ELF radiation on the alpha band of the human resting EEG', *Proceedings of the 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, Guy Dumont, Henrietta Galiana, Paolo Vicini, Jose Principe (ed.), 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society: Personalised Healthcare Through Technology
- Pirogova, E., Vojisavljevic, V. & Cosic, I. (2008). 'Non thermal effects of 500 MHz-900MHz microwave radiation on enzyme kinetics', *Proceedings from the 30th Annual International IEEE EMBS Conference*, Guy A Dumont (ed.), 30th Annual International IEEE EMBS Conference
- Poon, W., Rudolph, H., Kumar, D. & Hu, Y. (2008). 'Surface electromyogram for gait analysis of low back pain subjects', *Proceedings of Cairo International Biomedical Engineering Conference 2008*, Bassel Tawfik (ed.), Airo International Biomedical Engineering Conference 2008 (CIBEC'08)
- Poosapadi Arjunan, S. & Kumar, D. (2008). 'Fractal features based technique to identify subtle forearm movements and to measure alertness using physiological signals (sEMG, EEG)', *Proceedings from TENCON 2008. IEEE Region 10 Conference*, V.P. Kodali, M. Vidyasagar (ed.), TENCON 2008. IEEE Region 10 Conference
- Poosapadi Arjunan, S. & Kumar, D. (2008). 'Identification of muscle properties using fractal analysis of surface electromyogram', *Proceedings of the 19th Biennial International EURASIP Conference*, Li, Zushu (ed.), 2008 19th Biennial International EURASIP conference (BIOSIGNAL)
- Poosapadi Arjunan, S., Weghorn, H., Kumar, D., Naik, G. & Yau, W. (2008). 'Recognition of human voice utterances from facial surface EMG without using audio signals', *Enterprise Information Systems*, Joaquim Filipe, Jose Cordeiro, Jorge Cardoso (ed.), 9th International Conference ICEIS 2007
- Radcliffe, P. (2008). 'Unfolding enhancements speed FSM based simulation', *Proceedings of the 6th International Conference on Industrial Informatics (INDIN 2008)*, Ju Jan Lee, Xinghou Yu (ed.), 6th International Conference on Industrial Informatics (INDIN 2008)
- Ronchi, A., Lech, M., Taylor, N. & Cosic, I. (2008). 'A reliability study of the new back strain monitor based on clinical trials', *30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society*,

Conference Editorial Board (ed.), 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society

Rossiter, J. & Wang, L. (2008). 'Exploiting Laguerre functions to improve the feasibility/ performance compromise in MPC', *Proceedings of the 47th IEEE Conference on Decision and Control*, CSS Conference Editorial Board (ed.), 47th IEEE Conference on Decision and Control

Sabri, Y., Ippolito, S., Tardio, J., Sood, D. & Bhargava, S. (2008). 'Electro-deposition of gold nano-structures on gold Quartz Crystal Microbalance (QCM) electrodes for enhanced mercury vapour sensitivity in the presence of interferent gasses', *Proceedings of ICONN 2008*, Paul Mulvaney, Abid Khan (ed.), 2008 International Conference on Nanoscience and Nanotechnology

Sabri, Y., Ippolito, S., Tardio, J., Sood, D., Bhargava, S., Mullett, M., Harrison, I. & Rosenberg, S. (2008). 'Humidity and ammonia interference study for modified and non-modified gold based mercury vapour sensors for alumina refineries', *Proceedings - 8th International Alumina Quality Workshop*, Armstrong, L (ed.), 8th International Alumina Quality Workshop

Sarkhosh, N., Emami, H., Bui, L. & Mitchell, A. (2008). 'Photonic instantaneous frequency measurement using non-linear optical mixing', *Microwave Symposium Digest, 2008, IEEE MTT-S International*, M. Golio, G. Ponchak, and A. Mortazawi (ed.), 2008 IEEE MTT-S International

Sarkhosh, N., Emami, H., Ghorbani, K., Bui, L. & Mitchell, A. (2008). 'Sensitivity Improved Photonic Instantaneous Frequency Measurement Receiver', *Proceedings from 2008 Asia-Pacific Microwave Conference*, Prof. Edward K.N. Yung (ed.), 2008 Asia-Pacific Microwave Conference

Shafiei, M., Sadek, A., Yu, J., Arsat, R., Kalantar Zadeh, K., Yu, X., Partridge, J. & Wlodarski, W. (2008). 'Pt/Adonized TiO₂/SiC based MOS device for hydrocarbon sensing', *Smart Structures, Devices and Systems IV (Proceedings Volume)*, Said F. Al-Sarawi, Vijay K. Varadan, Neil Weste, Kourosh Kalantar-Zadeh (ed.), 2008 SPIE International Symposium on Smart Materials, Nano+Micro-Smart Materials

Singh, V. & Kumar, D. (2008). 'Classification of low-level finger contraction from single channel surface EMG', *Proceedings of the 30th Annual International IEEE EMBS Conference*, Guy Dumont (ed.), 30th Annual International IEEE EMBS Conference

Sivan, V., Bui, L., Venkatachalam, D., Bhargava, S., Priest, T., Holland, A. & Mitchell, A. (2008). 'Etching lithium niobate during Ti diffusion process', *Devise and Process Technologies for Microelectronics, MEMS, Photonics, and Nanotechnology IV (Proceedings Volume)*, hark Hoe Tan, Jung-Chih Chiao, Lorenzo Faraone, Chennupati Jagadish, Jim Williams, Alan R. Wilson (ed.), 2008 SPIE International Symposium on Smart Materials, Nano+Micro-Smart Materials

Smith, A. & Baghai - Wadji, A. (2008). 'A numerical technique for solving Schroedinger's equation in molecular electronic applications', *Smart Structures Devices and Systems IV (Proceedings Volume)*, Said F. Al-Sarawi, Vijay K. Varadan, Neil Weste, Kourosh Kalantar-Zadeh (ed.), 2008 SPIE International Symposium on Smart Materials, Nano + Micro-Smart Materials

So, Y. & Wang, J. (2008). 'Micro-HIP a HIP-based micro-mobility solution', *Proceedings of the 2008 IEEE International Conference on Communication Workshops*, Abbas Jamalipour (ed.), 2008 IEEE International Conference on Communication Workshops

Sokolowski, P., Dwivedi, A., Pathak, S., Buratto, F. & Yu, X. (2008). 'Investigating the impedance of a wooden power pole after a pole fire', *Proceedings of the Australasian Universities Power Engineering Conference 2008*, Faz Rahman (ed.), Australasian Universities Power Engineering conference 2008

Sufi, F., Fang, Q. & Cosic, I. (2008). 'A mobile phone based intelligent scoring approach for assessment of critical illness', *Proceedings of the 5th International Conference on Information Technology and Application in Biomedicine, in conjunction with the 2nd International Symposium and Summer School on Biomedical and Health Engineering*, Yuan-Ting Zhang, Fei Chen, Yong-Pei Liang (ed.), 5th International Conference on Information Technology and Application in Biomedicine, in conjunction with the 2nd International Symposium and Summer School on Biomedical and Health Engineering

Sufi, F., Khalil, I., Fang, Q. & Cosic, I. (2008). 'A mobile web grid based physiological signal monitoring system', *Proceedings of the 5th International Conference on Information Technology and Application in Biomedicine, in conjunction with the 2nd International Symposium and Summer School on Biomedical and Health Engineering*, Yuan-Ting Zhang, Fei Chen, Yong-Pei Liang (ed.), 5th International Conference on Information Technology and

Application in Biomedicine, in conjunction with the 2nd International Symposium and Summer School on Biomedical and Health Engineering

- Sukuabul, S. & Sood, D. (2008). 'Analytical models of resonant rectangular cantilever type chemical sensors for applications in fluids', *3rd International Conference on Sensing Technology*, C H Cheng; C H Messom (ed.), 3rd International Conference on Sensing Technology
- Sulic, E., Pell, B., John, S., Gupta, R., Rowe, W., Ghorbani, K. & Zhang, K. (2008). 'Performance of embedded multi-frequency communication devices in smart composite structures', *Proceedings of SMASIS 08, ASME Conference on Smart Materials, Adaptive Structures and Intelligent Systems*, CS Lynch, D Brei (ed.), ASME/AIAA Smart Materials, Adaptive Structures and Intelligent Systems Conference (SMASIS)
- Szameit, A., Garanovich, I., Heinrich, M., Minovich, A., Dreisow, F., Sukhorukov, A., Pertsch, T., Neshev, D., Nolte, S., Krolikowski, W., Tunnermann, A., Mitchell, A. & Kivshar, Y. (2008). 'Diffraction-managed solitons and nonlinear beam diffusion in modulated waveguide arrays', *Proceedings of the Joint 2008 Conference on Lasers and Electro-Optics 2008 and 2008 Conference on Quantum Electronics and Laser Science (CLEO/QELS 2008)*, Markus Pollnau (ed.), Conference on Lasers and Electro-Optics (CLEO) and the International Quantum electronics Conference (IQEC)
- Tovar Lopez, F., Khoshmanesh, K., Nasabi, M., Gary, R. & Mitchell, A. (2008). 'Characterization of high fluid strain micro contractions to study the stress on biological fluids', *Biomedical Applications of Micro-and Nanoengineering IV and Complex Systems (proceedings volume)*, Dan V Nicolau, Guy Metcalfe (ed.), 2008 PIE International Symposium on Smart Materials, Nano + Micro-Smart Materials
- Tovar Lopez, F., Khoshmanesh, K., Nasabi, M., Kalantar Zadeh, K., Gary, R. & Mitchell, A. (2008). 'Hydrodynamic flow focusing to study the isolated effects of the flow components', *Biomedical Applications of Micro- and Nanoengineering IV and Complex Systems (Proceedings Volume)*, Dan V Nicolau, Guy Metcalfe (ed.), 2008 SPIE International Symposium on Smart Materials, Nano+Micro-Smart Materials
- Truong, N. & Wang, L. (2008). 'Nonlinear system identification in a noisy environment using wavelet based SDP models', *Proceedings of the 17th World Congress of the International Federation of Automatic Control*, Chung, Myung Jin, Misra, Pradeep (ed.), 17th World Congress of the International Federation of Automatic Control
- Tummidi, R., Nguyen, G., Mitchell, A. & Koch, T. (2008). 'Anomalous losses in curved waveguides and directional couplers at 'magic widths'', *Proceedings of the 21st Annual Meeting of the IEEE Lasers and Electro-Optics Society 2008*, Rich Linke (ed.), 21st Annual Meeting of the IEEE Lasers and Electro-Optics Society 2008
- Vagh, H. & Baghai - Wadji, A. (2008). 'A scheme to calculate higher-order homogenization as applied to boundary value problems', *Proceedings of SPIE: Micro+ Nanotechnology: Materials, Processes, Packaging and Systems IV (Volume 7269)*, Jung-Chich Chiao, Alex J Hariz, David V Thiel, Changyi Yang (ed.), 2008 SPIE International Symposium on Smart Materials, Nano+Micro-Smart Materials
- Vagh, H. & Baghai - Wadji, A. (2008). 'Recipes for efficient higher-order multiscale asymptotic analysis', *Proceedings for 4th International Conference on Ultrawideband and Ultrashort Impulse Signals 2008*, Prof. Nikolay N Kolchigin (ed.), 2008 4th International Conference on Ultrawideband and Ultrashort Impulse Signals
- Van Der Velden, C., Bil, C., Yu, X. & Smith, A. (2008). 'An adaptable methodology for automation application development', *Proceedings of the 26th Congress of the International Council of the Aeronautical Sciences*, Ian Grant (ed.), 26th Congress of the International Council of the Aeronautical Sciences
- Van Der Velden, C., Bil, C., Yu, X. & Smith, A. (2008). 'An intelligent system for routing automation', *Innovative Production Machines and Systems*, DT Pham, E Eldukhir, A J Soroka (ed.), Third I*PROMS Virtual International Conference
- Wang, B. & Yu, X. (2008). 'On ZOH discretization of higher-order sliding mode control system', *Proceedings of the 17th IFAC World Congress 2008*, MJ Chung, P Misra (ed.), The 17th IFAC World Congress 2008
- Wang, L. & Gawthrop, P. (2008). 'Disturbance rejection and set-point following of periodic signals using predictive control with constraints', *Proceedings of the 17th World Congress of the International Federation of Automatic Control*, Chung, Myung Jin, Misra, Pradeep (ed.), 17th World Congress of the International Federation of Automatic Control

- Wang, L. & Rossiter, J. (2008). 'Disturbance rejection and set-point tracking of sinusoidal signals using generalized predictive control', *Proceedings of the 47th IEEE Conference on Decision and Control*, CSS Conference Editorial Board (ed.), 47th IEEE Conference on Decision and Control
- Wang, Y., Chan, S., Zukerman, M. & Harris, R. (2008). 'Priority-based fair scheduling for multimedia WiMAX uplink traffic', *2008 IEEE International Conference on Communication Proceedings*, Lin Zhang (ed.), 2008 IEEE International Conference on Communication
- Wang, Y., Feng, Y. & Yu, X. (2008). 'Fuzzy terminal sliding mode control of two-link flexible manipulators', *Proceedings IECON 2008 34th Annual Conference of the IEEE Industrial Electronics Society (IECON 2008)*, John Y Hung; Leopoldo G Franquelo (ed.), 34th Annual Conference of the IEEE Industrial Electronics Society (IECON 2008)
- Wong, K. & Rahmat, M. (2008). 'Investigation of leakage current in wooden pole using ladder network model', *2008 Australasian Universities Power Engineering Conference (AUPEC'08)*, Faz Rahman (ed.), 2008 Australasian Universities Power Engineering Conference (AUPEC'08)
- Xu, Z., Qiu, B., Wu, H. & Yu, X. (2008). 'Adaptive geometric features based filtering impulse noise in colour images', *Proceedings of the 2008 IEEE 10th Workshop on Multimedia Signal Processing*, D. Feng, T. Sikora, W.C. Sui, J. Zhang, L. Guan, J.L. Dugelay, Q. Wu, W. Li (ed.), 2008 IEEE 10th Workshop on Multimedia Signal Processing
- Xu, Z., Wu, H. & Yu, X. (2008). 'Colour image enhancement by hybrid approach', *Proceedings of the Institute of Electrical and Electronics Engineers 10th Workshop on Multimedia Signal Processing*, David Feng, Thomas Sikora, W.C. Siu (ed.), 2008 Institute of Electrical and Electronics Engineers Workshop on Multimedia Signal Processing
- Yang, J. & Wu, H. (2008). 'A non-linear post filtering method for flicker reduction in H.264/AVC coded video sequences', *Proceedings of the 2008 IEEE 10th Workshop on Multimedia Signal Processing*, D. Feng, T. Sikora, W.C. Siu, J. Zhang, L. Guan, J.L. Dugelay, Q. Wu, W. Li (ed.), 2008 IEEE 10th Workshop on Multimedia Signal Processing
- Yang, J. & Wu, H. (2008). 'An improved huber-MAP post filtering method for DCT-based compressed video sequences', *2008 3rd International Symposium on Communications, Control and Signal Processing (ISCCSP 2008)*, Franco Maloberti, Sanjit K. Mitra, Paul Micallef (ed.), 2008 3rd International Symposium on Communications, Control and Signal Processing (ISCCSP 2008)
- Yau, W. & Kumar, D. (2008). 'Secure recognition of voice-less commands using video', *4th International Conference of Global e-Security*, H. Jahankhani (ed.), 4th International Conference of Global e-Security
- Yau, W., Poosapadi Arjunan, S. & Kumar, D. (2008). 'Classification of voiceless speech using facial muscle activity and vision based techniques', *Proceedings from TENCON 2008, IEEE Region 10 Conference*, V. Prasad Kodali, M. Vidyasagar (ed.), TENCON 2008, IEEE Region 10 Conference
- Yu, J., Shafiei, M., Ling, C., Wlodarski, W. & Kalantar Zadeh, K. (2008). 'Pt/ZnO/SiC thin film for hydrogen gas sensing', *Proceedings of SPIE: Smart Structures, Devices and Systems. Vol. 7268*, Said F. Al-Sawari, Vijay K. Varadan, Neil Weste, Kourosh Kalantar-Zadeh (ed.), SPIE: Smart Structures, Devices and Systems
- Yu, S., Yu, X., Man, Z. & Feng, Y. (2008). 'On singularity free recursive fast terminal sliding mode control', *10th International Workshop on Variable Structure Systems (VSS '09)*, IEEE (ed.), 10th International Workshop on Variable Structure Systems (VSS '09)
- Yu, X., Han, Q., Li, X. & Wang, C. (2008). 'Time-delay effect on equivalent control based single-input sliding mode control systems', *10th International Workshop on Variable Structure Systems (VSS '08)*, IEEE (ed.), 10th International Workshop on Variable Structure Systems (VSS '08)
- Zeller, E. & Mitchell, A. (2008). 'Sealed air-core planar waveguide arrays in SU8 epoxy', *Micro - and Nanotechnology: Materials, Processes, Packaging and Systems IV (Proceedings Volume)*, Jung-Chich Chiao, Alex J Hariz, David V Thiel, Changyi Yang (ed.), 2008 SPIE International Symposium on Smart Materials, Nano+Micro-Smart Materials
- Zhang, C., Sadek, A., Breedon, M., Ippolito, S., Wlodarski, W., Truman, T. & Kalantar Zadeh, K. (2008). 'Conductometric sensor based on nanostructured titanium oxide thin film deposited on polyimide substrate with dissimilar metallic electrodes', *Proceedings of the 2008 International Conference on Nanoscience and*

Nanotechnology (ICONN2008), Paul Mulvaney, Abid Khan (ed.), 2008 International Conference on Nanoscience and Nanotechnology (ICONN2008)

Zheng, H., Breedon, M. & Kalantar Zadeh, K. (2008). 'UV-induced wettability change of teflon-modified ZnO Nanorod Arrays on LiNbO₃ Substrate', *Proceedings of the 2008 International Conference on Nanoscience and Nanotechnology*, Paul Mulvaney, Abid Khan (ed.), 2008 International Conference on Nanoscience and Nanotechnology

Zheng, J., Feng, Y. & Yu, X. (2008). 'Hybrid terminal sliding mode observer design method for permanent magnet synchronous motor control system', *10th International Workshop on Variable Structure Systems (VSS '08)*, IEEE (ed.), 10th International Workshop on Variable Structure Systems (VSS '08)

Health Sciences

Book Chapters

Bjurstam, A. & Cohen, M. (2008). 'Spas and the future leadership climate', in *Understanding the Global Spa Industry: Spa Management*. Elsevier Butterworth Heinemann, UK, 363 - 376, ISBN: 978-0-7506-8464-4

Buchner, D., Snelling, A. & Cohen, M. (2008). 'Spa-related education and training', in *Understanding the Global Spa Industry: Spa Management*. Elsevier Butterworth Heinemann, UK, 394 - 413, ISBN: 978-0-7506-8464-4

Cohen, M. (2008). 'Spas, wellness and human evolution', in *Understanding the Global Spa Industry: Spa Management*. Butterworth Heinemann, Oxford, 3 - 25, ISBN: 978-0-7506-8464-4

Cohen, M. (2008). 'Wellness technologies and related products', in *Understanding the Global Spa Industry: Spa Management*. Butterworth-Heinemann, Oxford, 237 - 257, ISBN: 978-0-7506-8464-4

Cohen, M. & Russell, D. (2008). 'Human resource management in spas: staff recruitment, retention and remuneration', in *Understanding the Global Spa Industry: Spa Management*. Elsevier Butterworth Heinemann, UK, 377 - 393, ISBN: 978-0-7506-8464-4

Cohen, M. & Shivdasana, S. (2008). 'Spas and sustainability', in *Understanding the Global Spa Industry: Spa Management*. Butterworth Heinemann, Oxford, 344 - 360, ISBN: 978-0-7506-8464-4

Edgecombe, G. & Chater, K. (2008). 'Understanding organisational culture in the community health setting', in *Transitions in Nursing: 2e Preparing for Professional Practice*. Elsevier Science Ltd, Sydney, 43 - 60, ISBN: 978-0-7295-3836-7

Geuze, R. & Wilson, P. (2008). 'Postural control in children with developmental coordination disorder', in *Postural Control: A Key Issue in Developmental Disorders*. MacKeith Press, London, 229 - 252, ISBN: 978-1-898683-57-5

Wuttke, M. & Cohen, M. (2008). 'Spa retail', in *Understanding the Global Spa Industry: Spa Management*. Butterworth Heinemann, Oxford, 208 - 220, ISBN: 978-0-7506-8464-4

Journal Articles

Barnett, T., Cross, M., Jacob, E., Shahwan-Akl, L., Welch, A. & Berry, R. (2008). 'Building capacity for the clinical placement of nursing students', in *Collegian*, 15 (2), 55 - 61

Baulch, J., Chester, A. & Brennan, L. (2008). 'Treatment alternatives for overweight and obesity: The role of online interventions', in *Behaviour Change*, 25 (1), 1 - 14

Bi, H., Zuo, Z., Chen, X., Zu, C., Wen, Y., Sun, H., Zhao, L., Pan, Y., Deng, Y., Liu, P., Gu, L., Huang, Z. & Zhou, S. (2008). 'Preclinical factors affecting the pharmacokinetic behaviour of tanshinone IIA: An investigational new drug isolated from *Salvia miltiorrhiza* for the treatment of ischaemic heart diseases', in *Xenobiotica*, 38 (2), 185 - 222

Braun, L. (2008). 'The integration of traditional and complementary medicine in Malaysia and Japan', in *Australian Journal of Medical Herbalism*, 20 (4), 132 - 135

- Brennan, L., Walkley, J., Fraser, S., Greenway, K. & Wilks, R. (2008). 'Motivational interviewing and cognitive behaviour therapy in the treatment of adolescent overweight and obesity: Study design and methodology', in *Contemporary Clinical Trials*, 29 (3), 359 - 375
- Bush, A. & Bruni, N. (2008). 'Spiritual care as a dimension of holistic care: a relational interpretation', in *International Journal of Palliative Nursing*, 14 (11), 539 - 545
- Cao, H., Li, M., Nie, J., Wang, W., Zhou, S. & Yu, X. (2008). 'Human leukocyte antigen DRB1 alleles predict risk and disease progression of immunoglobulin a nephropathy in Han Chinese', in *American Journal of Nephrology*, 28, 684 - 691
- Chater, K. & Tsai, C. (2008). 'Palliative care in a multicultural society: a challenge for western ethics', in *Australian Journal of Advanced Nursing*, 26 (2), 95 - 100
- Cheng, M., Wang, J., Li, Y., Liu, X., Zhang, X., Chen, D., Zhou, S. & Zhang, Q. (2008). 'Characterization of water-in-oil microemulsion for oral delivery of earthworm fibrinolytic enzyme', in *Journal of Controlled Release*, 129, 41 - 48
- Clayton, O., Chester, A., Mildon, R. & Matthews, J. (2008). 'Practitioners who work with parents with intellectual disability: Stress, coping and training needs', in *Journal of Applied Research in Intellectual Disabilities*, 21 (4), 367 - 376
- Clunies-Ross, P., Little, E. & Kienhuis, M. (2008). 'Self-reported and actual use of proactive and reactive classroom management strategies and their relationship with teacher stress and student behaviour', in *Educational Psychology*, 28 (6), 693 - 710
- Courtney, R. & Cohen, M. (2008). 'Investigating the claims of Konstantin Buteyko, MD., PhD.: The relationship of breath holding time to end tidal CO₂ and other proposed measures of dysfunctional breathing', in *Journal of Alternative and Complementary Medicine*, 14 (2), 115 - 123
- Courtney, R., Van Dixhoorn, J. & Cohen, M. (2008). 'Evaluation of breathing pattern: Comparison of a manual assessment of respiratory motion (MARM) and respiratory induction plethysmography', in *Applied Psychophysiology and Biofeedback*, 33 (2), 91 - 100
- De Souza Sobrinho, R. & Ebrall, P. (2008). 'Understanding wellness in a contemporary context of chiropractic practice', in *Chiropractic Journal of Australia*, 38 (1), 12 - 16
- Deare, J., Zheng, Z., Xue, C., Liu, J., Shang, J. & Scott, S. (2008). 'Acupuncture for treating fibromyalgia (Protocol)', in *Cochrane Database of Systematic Reviews*, 2 (DOI: 10.1002/14651858.CD007070), 1 - 7
- Deng, Y., Bi, H., Zhao, L., He, F., Liu, Y., Yu, J., Ou, Z., Ding, L., Chen, X., Huang, Z., Huang, M. & Zhou, S. (2008). 'Induction of cytochrome P450s by terpene trilactones and flavonoids of the Ginkgo biloba extract EGb 761 in rats', in *Xenobiotica: the fate of foreign compounds in biological systems*, 38 (5), 465 - 481
- Deng, Y., Bi, H., Zhao, L., Wang, X., Chen, J., Ou, Z., Ding, L., Xu, L., Guan, S., Chen, X., Zhou, S. & Huang, M. (2008). 'Induction of cytochrome P450 3A by the Ginkgo biloba extract and bilobalides in human and rat primary hepatocytes', in *Drug Metabolism Letters*, 2 (1), 60 - 66
- Di, Y., Li, C., Xue, C. & Zhou, S. (2008). 'Clinical drugs that interact with St. John's Wort and implication in drug development', in *Current Pharmaceutical Design*, 14, 1 - 20
- Draper, B. (2008). 'Chronic cervicothoracic dysfunction alleviated by cholecystectomy', in *Clinical Chiropractic*, 11 (2), 77 - 82
- Draper, B. & Walsh, M. (2008). 'A survey of graduate perception of undergraduate chiropractic training', in *Chiropractic Journal of Australia*, 38 (3), 97 - 103
- Ebrall, P. (2008). 'One hundred issues over 25 continuous years: The editorship of Chance and Peters', in *Chiropractic Journal of Australia*, 38 (4), 123 - 130
- Ebrall, P., Draper, B. & Repka, A. (2008). 'Towards a 21st century paradigm of chiropractic: Stage 1, redesigning clinical learning', in *Journal of Chiropractic Education*, 22 (2), 152 - 160

- Ebrall, P., Repka, A. & Draper, B. (2008). 'Critical reflection in work-integrated learning', in *Chiropractic Journal of Australia*, 38 (2), 49 - 56
- Farrell, M. & Rose, L. (2008). 'Use of mobile handheld computers in clinical nursing education', in *Journal of Nursing Education*, 47 (1), 13 - 19
- Fox, A. & Thomas, T. (2008). 'Impact of religious affiliation and religiosity on forgiveness', in *Australian Psychologist*, 43 (3), 175 - 185
- Giallo, R. & Gavidia-Payne, S. (2008). 'Evaluation of a family-based intervention for siblings of children with a disability or chronic illness', in *Australian e-Journal for the Advancement of Mental Health*, 7 (2), 1 - 13
- Giallo, R., Kienhuis, M., Treyvaud, K. & Matthews, J. (2008). 'A psychometric evaluation of the parent self-efficacy in managing the transition to school scale', in *Australian Journal of Educational and Developmental Psychology*, 8, 36 - 48
- Giallo, R., Treyvaud, K., Kienhuis, M. & Matthews, J. (2008). 'AusParenting in schools: A parenting information and support strategy for primary schools', in *Developing Practice*, 21, 43 - 52
- Greenwood, K., Lederman, L. & Lindner, H. (2008). 'Self-reported sleep in systemic lupus erythematosus', in *Clinical Rheumatology*, 27 (9), 1147 - 1151
- Hayes, L., Matthews, J., Copley, A. & Welsh, D. (2008). 'A randomized controlled trial of a mother-infant or toddler parenting program: Demonstrating effectiveness in practice', in *Journal of Paediatric Psychology*, 33 (5), 473 - 486
- Holroyd, E. & McNaught, C. (2008). 'The SARS crisis: Reflections of Hong Kong nurses', in *International Nursing Review*, 55 (1), 27 - 33
- Holroyd, E., Wong, W., Gray, A. & Ling, D. (2008). 'Environmental health and safety of Chinese sex workers: A cross-sectional study', in *International Journal of Nursing Studies*, 45 (6), 932 - 941
- Holroyd, E., Zhang, A., Suen, L. & Xue, C. (2008). 'Beliefs and attitudes towards complementary medicine among registered nurses in Hong Kong', in *International Journal of Nursing Studies*, 45, 1660 - 1666
- Huang, Z., Wen, Q., Zhou, S. & Yu, X. (2008). 'Differential chemokine expression in tubular cells in response to urinary proteins from patients with nephrotic syndrome', in *Cytokine*, 42, 222 - 233
- Hudson, A., Cameron, C. & Matthews, J. (2008). 'The wide-scale implementation of a support program for parents of children with an intellectual disability and difficult behaviour', in *Journal of Intellectual and Developmental Disability*, 33 (2), 117 - 126
- Johnstone, M. (2008). 'Ethics, evil, and child abuse', in *Australian Nursing Journal*, 16 (2), 25 - 25
- Johnstone, M. (2008). 'Clinical risk management and the ethics of open disclosure. Part 2. Implications for the nursing profession', in *Australasian Emergency Nursing Journal*, 11 (3), 123 - 129
- Johnstone, M. (2008). 'Public health, ethics and HIV', in *Australian Nursing Journal*, 8 (11), 42 - 42
- Johnstone, M. (2008). 'Questioning nursing ethics (ethics and legal)', in *Australian Nursing Journal*, 15 (7), 19 - 19
- Johnstone, M. (2008). 'Clinical risk management and the ethics of open disclosure. Part I. Benefits and risks to patient safety', in *Australasian Emergency Nursing Journal*, 11 (2), 88 - 94
- Johnstone, M. & Kanitsaki, O. (2008). 'The politics of resistance to workplace cultural diversity education for health service providers: An Australian study', in *Race Ethnicity and Education*, 11 (2), 133 - 154
- Johnstone, M., Kanitsaki, O. & Currie, T. (2008). 'The nature and implications of support in graduate nurse transition programs: An Australian study', in *Journal of Professional Nursing*, 24 (1), 46 - 53
- Kanitsaki, O. & Johnstone, M. (2008). 'Ethnic aged discrimination and disparities in health and social care: A question of social justice', in *Australasian Journal on Ageing*, 27 (3), 110 - 115

- Kimpton, A., D'Antonio, L., Bishop, J., Mannes, T., Mihailidis, H., Potter, M. & Niemiec, D. (2008). 'Chiropractic spinal manipulation and trigger point therapy for subacute mechanical low back pain: A case series', in *Chiropractic Journal of Australia*, 38 (3), 104 - 110
- Lawrence, D. & Ebrall, P. (2008). 'The scholarship of critical review: improving quality and relevance', in *Journal of the Canadian Chiropractic Association*, 52 (4), 211 - 223
- Lederman, L., Lindner, H., Greenwood, K. & Philip, E. (2008). 'Depression and pain in night time and daytime functioning of individuals with lupus', in *Psychology and Health*, 23 (5), 537 - 550
- Lee, Y., Yang, J., Bae, M., Shen, Y., Xue, C. & Li, C. (2008). 'Anti-oxidant and anti-hypercholesterolemic activities of wasabia japonica', in *Evidence-based Complementary and Alternative Medicine*, , 1 - 6
- Lenon, G., Li, C., Xue, C., Thien, F. & Story, D. (2008). 'Inhibition of inducible nitric oxide production and iNOS protein expression in lipopolysaccharide-stimulated rat aorta and Raw 264.7 macrophages by ethanol extract of a Chinese herbal medicine formula (RCM-101) for allergic rhinitis', in *Journal of Ethnopharmacology*, 116 (3), 547 - 553
- Lewis, M., Vance, A., Maruff, P., Wilson, P. & Cairney, S. (2008). 'Differences in motor imagery between children with developmental coordination disorder with and without the combined type of ADHD', in *Developmental Medicine and Child Neurology*, 50 (8), 608 - 612
- Li, J., Wang, X., Wang, C., Fu, Q., Liu, L., Huang, M. & Zhou, S. (2008). 'Rapid and simultaneous determination of tacrolimus (FK506) and diltiazem in human whole blood by liquid chromatography-tandem mass spectrometry: Application to a clinical drug-drug interaction study', in *Journal of Chromatography B : Analytical Technologies in the Biomedical and Life Sciences*, 867, 111 - 118
- Li, L., Li, G., Cai, Q., Zhang, A. & Lo, S. (2008). 'Improper motorcycle helmet use in provincial areas of a developing country', in *Accident Analysis and Prevention*, 40, 1937 - 1942
- Li, X., Yang, W., Xue, C. & Wang, Q. (2008). 'Using the nominal group technique to evaluate a Chinese medicine basic theory course for medical doctors: A case study', in *Australian Journal of Acupuncture and Chinese Medicine*, 3 (2), 19 - 22
- Li, X., Zhou, Z. & Zhou, S. (2008). 'Role of P-glycoprotein in the transport of tanshinone I, one active triterpenoid from *Salvia miltiorrhiza*', in *Drug Metabolism Letters*, 2 (3), 1 - 8
- Lim, W., Chen, X., Liu, J., Tan, B., Zhou, S., Smith, A., Lees, N., Hou, L., Gu, F., Yu, X., Du, Y., Smith, D., Verma, C., Liu, K. & Duan, W. (2008). 'The C-terminus of PRK2/PKN[gamma] is required for optimal activation by RhoA in a GTP-dependent manner', in *Archives of Biochemistry and Biophysics*, 479 (2), 170 - 178
- Lindsay, J., Wang, L., Li, Y. & Zhou, S. (2008). 'Structure, function and polymorphism of human cytosolic sulfotransferases', in *Current Drug Metabolism*, 9, 99 - 105
- Liu, W., Liu, P., Tao, S., Deng, Y., Li, X., Lan, T., Zhang, X., Guo, F., Huang, W., Chyen, F., Huang, H. & Zhou, S. (2008). 'Berberine inhibits aldose reductase and oxidative stress in rat mesangial cells cultured under high glucose', in *Archives of Biochemistry and Biophysics*, 475, 128 - 134
- Lu, J., Wang, J., Zhao, S., Liu, X., Zhao, H., Zhang, X., Zhou, S. & Zhang, Q. (2008). 'Self-microemulsifying drug delivery system (SMEDDS) improves anticancer effect of oral 9-nitrocamptothecin on human cancer xenografts in nude mice', in *European Journal of Pharmaceutics and Biopharmaceutics*, 69 (3), 899 - 907
- Lucas, K. (2008). 'The impact of latent trigger points on regional muscle function', in *Current Pain and Headache Reports*, 12 (5), 344 - 349
- Luo, B., Huang, F., Liu, Q., Li, X., Chen, W., Zhou, S. & Yu, X. (2008). 'Identification of apolipoprotein E Guangzhou (arginine 150 proline), a new variant associated with lipoprotein glomerulopathy', in *American Journal of Nephrology*, 28 (2), 347 - 353
- May, B., Xue, C., Yang, W., Zhang, A., Owens, M., Cobiac, L., Head, R., Li, C., Hugel, H. & Story, D. (2008). 'Herbal medicine for dementia: A systematic review', in *Phytotherapy Research*, , 1 - 13

- May, B., Yang, W., Zhang, A., Owens, M., Bennett, L., Head, R., Cobiac, L., Li, C., Hugel, H. & Story, D. (2008). 'Chinese herbal medicine for mild cognitive impairment and age associated memory impairment: A review of randomised controlled trials', in *Biogerontology*, 10 (2), 109 - 123
- Morgan, A. & Francis, A. (2008). 'Australian natural therapists and mental health: Survey of treatment approaches and referral patterns', in *Journal of Complementary and Integrative Medicine*, 5 (1), A24 - A24
- Ngai, F., Chan, S. & Holroyd, E. (2008). 'Translation and validation of a Chinese version of the self-control schedule in Chinese childbearing women', in *Journal of Clinical Nursing*, 17 (3), 323 - 332
- Niblo, S. & Niblo, D. (2008). 'Acapulco in dreams and reality', in *Mexican Studies-Estudios Mexicanos*, 24 (1), 31 - 51
- Pan, Y., Bi, H., Zhang, G., Chen, X., Zuo, Z., Zhao, L., Gu, L., Liu, P., Huang, Z., Zhou, S. & Huang, M. (2008). 'Pharmacokinetic characterization of hydroxypropyl- β -cyclodextrin-included complex of cryptotanshinone, an investigational cardiovascular drug purified from Danshen (*Salvia miltiorrhiza*)', in *Xenobiotica*, 38 (4), 382 - 398
- Paterson, C., Vindigni, D., Polus, B., Browell, T. & Edgecombe, G. (2008). 'Evaluating a massage therapy training and treatment programme in a remote Aboriginal community', in *Complementary Therapies in Clinical Practice*, 14 (3), 158 - 167
- Paterson, C., Zheng, Z., Xue, C. & WANG, Y. (2008). 'Playing their parts: The experiences of participants in a randomized sham-controlled acupuncture trial', in *Journal of Alternative and Complementary Medicine*, 14 (2), 199 - 208
- Raunic, A. & Xenos, S. (2008). 'University counselling service utilisation by local and international students and user characteristics: A review', in *International Journal for the Advancement of Counselling*, 30 (4), 262 - 267
- Saunders, P. & Chester, A. (2008). 'Shyness and the internet: Social problem or panacea?', in *Computers in Human Behaviour*, 24 (6), 2649 - 2658
- Shen, Y., Li, C., Zhou, S., Pang, E., Story, D. & Xue, C. (2008). 'Chemistry and bioactivity of Flos Magnoliae, a Chinese herb for rhinitis and sinusitis', in *Current Medicinal Chemistry*, 15 (16), 1616 - 1627
- Shen, Y., Pang, E., Xue, C., Zhao, Z., Lin, J., Lin, J. & Li, C. (2008). 'Inhibitions of mast cell-derived histamine release by different Flos Magnoliae species in rat peritoneal mast cells', in *Phytomedicine*, 15, 808 - 814
- Stancliffe, R., Harman, A., Toogood, S. & McVilly, K. (2008). 'Staff behaviour and resident engagement before and after active support training', in *Journal of Intellectual and Developmental Disability*, 33 (3), 257 - 270
- Su, Q., He, F., Wang, X., Guan, S., Xie, Z., Wang, L., Lu, Y., Gu, L., Huang, Z., Chen, X., Huang, M. & Zhou, S. (2008). 'Biotransformation and pharmacokinetics of the novel anticancer drug, SYUIQ-5, in the rat', in *Investigational New Drugs*, 26, 119 - 137
- Tsai, C., Wilson, P. & Wu, S. (2008). 'Role of visual-perceptual skills (non-motor) in children with developmental coordination disorder', in *Human Movement Science*, 27, 649 - 664
- Tsiros, M., Sinn, N., Brennan, L., Coates, A., Walkley, J., Petkov, J., Howe, P. & Buckley, J. (2008). 'Cognitive behavioural therapy improves diet and body composition in overweight and obese adolescents', in *American Journal of Clinical Nutrition*, 87 (5), 1134 - 1140
- Van Die, D., Burger, H., Bone, K., Cohen, M. & Teede, H. (2008). 'Hypericum perforatum with Vitex agnus-castus in menopausal symptoms: a randomized, controlled trial', in *Menopause: The Journal of The North American Menopause Society*, 16 (1), 1 - 8
- Walsh, M., Reece, J. & Donnoli, F. (2008). 'General health status of a sample of chiropractic patients with uncomplicated biomechanical neck or low back pain', in *Chiropractic Journal of Australia*, 38 (2), 75 - 80
- Wang, X., Deng, X., Chen, J., Li, J., Chen, X., Zhao, L., Lu, Y., Chowbay, B., Su, Q., Huang, M. & Zhou, S. (2008). 'Single nucleotide polymorphisms of the pregnane X receptor gene in Han Chinese and a comparison with other ethnic populations', in *Pharmacology: international journal of experimental and clinical pharmacology*, 81 (4), 350 - 354

- Wang, Y., Zheng, Z. & Xue, C. (2008). 'Acupuncture for migraine: a systematic review of Chinese literature', in *Australian Journal of Acupuncture and Chinese Medicine*, 3 (1), 3 - 16
- Watson, T. & Hempenstall, K. (2008). 'Effects of a computer based beginning reading program on young children', in *Australasian Journal of Educational Technology*, 24 (3), 258 - 274
- Weier, N., He, S., Li, X., Wang, L. & Zhou, S. (2008). 'Placental drug disposition and its clinical implications', in *Current Drug Metabolism*, 9 (2), 106 - 121
- Williams, J., Thomas, P., Maruff, P. & Wilson, P. (2008). 'The link between motor impairment level and motor imagery ability in children with developmental coordination disorder', in *Human Movement Science*, 27 (2), 270 - 285
- Wilson, P. & Larkin, D. (2008). 'New and emerging approaches to understanding developmental coordination disorder', in *Human Movement Science*, 27 (2), 171 - 176
- Wu, Q., Yang, W., Mansu, S., Radloff, A., Zhang, A. & Xue, C. (2008). 'SOPE: A model for developing online materials in Chinese herbal medicine education', in *Australian Journal of Acupuncture and Chinese Medicine*, 3 (1), 31 - 36
- Xia, J., Arrowsmith, C., Jackson, M. & Cartwright, W. (2008). 'The wayfinding process relationships between decision-making and landmark utility', in *Tourism Management*, 29 (3), 445 - 457
- Xue, C., Zhang, A., Holroyd, E. & Suen, L. (2008). 'Personal use and professional recommendations of complementary and alternative medicine by Hong Kong registered nurses', in *Hong Kong Medical Journal*, 14 (2), 110 - 115
- Xue, C., Zhang, A., Lin, V., Myers, R., Polus, B. & Story, D. (2008). 'Acupuncture, chiropractic and osteopathy use in Australia: A national population survey', in *BMC Public Health*, 8 (105), 1 - 8
- Xue, C., Zhou, W., Zhang, A., Greenwood, K., Da Costa, C., Radloff, A., Lin, V. & Story, D. (2008). 'Desired Chinese medicine practitioner capabilities and professional development needs: a survey of registered practitioners in Victoria, Australia', in *BMC Health Services Research*, 8 (27), 1 - 9
- Yu, X., Xue, C., Zhou, Z., Li, C. & Zhou, S. (2008). 'Tanshinone IIB, a primary active constituent from *Salvia miltiorrhiza*, exerts neuroprotective effect via inhibition of neuronal apoptosis in vitro', in *Phytotherapy Research*, 22, 846 - 850
- Yu, X., Xue, C., Zhou, Z., Li, C., Du, Y., Liang, J. & Zhou, S. (2008). 'In vitro and in vivo neuroprotective effect and mechanisms of glabridin, a major active isoflavan from *Glycyrrhiza glabra* (licorice)', in *Life Sciences*, 82, 68 - 78
- Zhang, A., Story, D., Lin, V., Vietta, L. & Xue, C. (2008). 'A population survey on the use of 24 common medicinal herbs in Australia', in *Pharmacoepidemiology and Drug Safety*, 17 (10), 1006 - 1013
- Zhang, R., Yang, X., Li, J., Wu, J., Peng, W., Dong, X., Zhou, S. & Yu, X. (2008). 'Upregulation of rat renal cortical organic anion transporters (OAT1 and OAT3) expression in response to ischemia/reperfusion injury', in *American Journal of Nephrology*, 28 (5), 772 - 783
- Zheng, Z., Guo, R., Helme, R., Muir, A., Da Costa, C. & Xue, C. (2008). 'The effect of electroacupuncture on opioid-like medication consumption by chronic pain patients: A randomized controlled clinical trial', in *The European Journal of Pain*, 12, 671 - 676
- Zheng, Z., Guo, R., Helme, R., Muir, A., Da Costa, C. & Xue, C. (2008). 'The effect of electroacupuncture on opioid-like medication consumption by chronic pain patients: A pilot randomized controlled clinical trial', in *European Journal of Pain*, 12 (5), 671 - 676
- Zhou, S. (2008). 'Structure, function and regulation of P-glycoprotein and its clinical relevance in drug disposition', in *Xenobiotica*, 38 (7-8), 802 - 832
- Zhou, S. (2008). 'Potential strategies for minimizing mechanism-based inhibition of cytochrome P450 3A4', in *Current Pharmaceutical Design*, 14 (10), 990 - 1000
- Zhou, S. (2008). 'Drugs behave as substrates, inhibitors and inducers of human cytochrome P450 3A4', in *Current Drug Metabolism*, 9, 310 - 322

- Zhou, S. (2008). 'Role of multidrug resistance associated proteins in drug development', in *Drug Discovery Today. Therapeutic Strategies*, 2 (6), 305 - 332
- Zhou, S. & Fulcher, J. (2008). 'Pharmacogenetics of human multidrug resistance associated proteins', in *Current Pharmacogenomics and Personalized medicine*, 6 (2), 134 - 149
- Zhou, S. & Lai, X. (2008). 'An update on clinical drug interactions with the herbal antidepressant St. John's Wort', in *Current Drug Metabolism*, 9 (5), 394 - 409
- Zhou, S., Di, Y., Chan, E., Du, Y., Chow, D., Xue, C., Lai, X., Wang, J., Li, C., Tian, M. & Duan, W. (2008). 'Clinical pharmacogenetics and potential application in personalized medicine', in *Current Drug Metabolism*, 9 (8), 738 - 784
- Zhou, S., Wang, L., Di, Y., Xue, C., Duan, W., Li, C. & Li, Y. (2008). 'Substrates and inhibitors of human multidrug resistance associated proteins and the implications in drug development', in *Current Medicinal Chemistry*, 15 (20), 1981 - 2039
- Zhou, S., Wang, L., Di, Y., Xue, C., Duan, W., Li, C. & Li, Y. (2008). 'Substrates and inhibitors of human multidrug resistance associated proteins and the implications in drug development', in *Current Medicinal Chemistry*, 15, 1981 - 2039

Conference Proceedings

- Callanan, J. & Wilson, P. (2008). 'Objective tests of movement imagery predict movement skill performance', *Proceedings of 43rd Australian Psychological Society (APS) Conference 2008*, Voudouris, N & Mrowinski V (ed.), 43rd Australian Psychological Society (APS) Annual Conference
- Duckworth, J., Wilson, P., Mumford, N., Eldridge, R., Thomas, P. & Shum, D. (2008). 'Elements: Art and Play in a Multi-Modal Interactive Workspace for Upper Limb Movement Rehabilitation', *Proceedings of ISEA2008*, Ingrid Maria Hoofd, Margaret Tan, Katherine Ho Kit Ying (ed.), 14th International Symposium on Electronic Art
- Mumford, N., Duckworth, J., Eldridge, R., Guglielmetti, M., Thomas, P., Rudolph, H. & Wilson, P. (2008). 'A virtual tabletop workspace for upper-limb rehabilitation in Traumatic Brain Injury (TBI): A multiple case study evaluation', *Proceedings of the Annual Conference on Virtual Rehabilitation 2008*, Burdea, G (ed.), Virtual Rehabilitation 2008
- Thomas, T. (2008). 'Knowledge, beliefs and attitudes about stroke and stroke preventions among the Greek and Vietnamese older people', *Psychology Leading Change: Proceedings of the 43rd APS Annual Conference*, Voudouris, N. & Mrowinski, V (ed.), 43rd APS Annual Conference

Mathematical & Geospatial Sciences

Book Chapters

- Bosomworth, K. & Handmer, J. (2008). 'Climate change and community bushfire resilience', in *Community bushfire safety*. CSIRO, Collingwood, 175 - 183, ISBN: 978-0-643094-26-0
- Cartwright, W. (2008). 'Mapping in a digital age', in *The Handbook of Geographic Information Science*. Blackwell Publishing, United Kingdom, 199 - 221, ISBN: 978-1-4051-0795-2
- Cartwright, W. (2008). 'Re-visiting the use of surrogate walks for exploring local geographies using non-immersive multimedia', in *Geographic Visualization*. Wiley, London, 109 - 140, ISBN: 978-0-470-51511-2
- Cartwright, W. (2008). 'Decomposing the map', in *International perspectives of maps on the Internet*. Springer-Verlag, Germany, 11 - 30, ISBN: 978-3-540-72028-7
- Cartwright, W. (2008). 'Visualizing alternative futures', in *Landscape Analysis and Visualisation*. Springer, Germany, 489 - 507, ISBN: 978-3-540-69167-9

- Cartwright, W., Miles, A., Morris, B., Vaughan, L. & Yuille, J. (2008). 'Developing concepts for an affective atlas', in *Geospatial Vision: New Dimensions in Cartography*. Springer-Verlag, Germany, 219 - 234, ISBN: 978-3-540-70967-1
- Ganewatta, G. (2008). 'The economics of bushfire management', in *Community bushfire safety*. CSIRO, Collingwood, 151 - 159, ISBN: 978-0-643094-26-0
- Goodman, H. & Proudley, M. (2008). 'Social contexts of responses to bushfire threat: A case study of the Wangary fire', in *Community Bushfire Safety*. CSIRO Publishing, Victoria, 47 - 56, ISBN: 978-0-643094-26-0
- Handmer, J. & Haynes, K. (2008). 'Interface (urban-rural fringe) bushfire community safety', in *Community bushfire safety*. CSIRO, Collingwood, 3 - 7, ISBN: 978-0-643094-26-0
- Indian, J. (2008). 'The concept of local knowledge in rural Australian fire management', in *Community bushfire safety*. CSIRO, Collingwood, 35 - 45, ISBN: 978-0-643094-26-0
- Loh, E. (2008). 'Don't get burnt by the law: The legal implications of the 'prepare, stay and defend or leave early' policy', in *Community bushfire safety*. CSIRO, Collingwood, 87 - 96, ISBN: 978-0-643094-26-0
- Lowe, T. & Haynes, K. (2008). 'Resilience at the urban interface: The community fire unit approach', in *Community bushfire safety*. CSIRO, Collingwood, 21 - 34, ISBN: 978-0-643094-26-0
- Pettit, C., Cartwright, W., Bishop, I., Lowell, K., Pullar, D. & Duncan, D. (2008). 'Understanding landscapes through knowledge management frameworks, spatial models, decision support tools and visualisation', in *Landscape Analysis and Visualisation*. Springer-Verlag, Heidelberg, 551 - 570, ISBN: 978-3-540-69167-9
- Quinn, P. & Cartwright, W. (2008). 'Computer games for interacting with a rural landscape', in *Landscape Analysis and Visualisation*. Springer, Germany, 551 - 570, ISBN: 978-3-540-69167-9
- Ramos, C. & Cartwright, W. (2008). 'Issues in school web atlas use: the prototype atlas of Rio Claro - Brazil', in *International perspectives of maps on the Internet*. Springer-Verlag, Heidelberg, 239 - 250, ISBN: 978-3-540-72028-7
- Tibbits, A., Handmer, J., Haynes, K., Lowe, T. & Whittaker, J. (2008). 'Prepare, stay and defend or leave early: Evidence for the Australian approach', in *Community Bushfire Safety*. CSIRO, Collingwood, 59 - 71, ISBN: 978-0-643094-26-0
- Turan, M., Doganaksoy, A. & Boztas, S. (2008). 'On independence and sensitivity of statistical randomness tests', in *Sequences and their Applications - SETA 2008*. Springer, Germany, 18 - 29, ISBN: 978-3-540-85911-6
- Xia, J. & Arrowsmith, C. (2008). 'Techniques for counting and tracking the spatial and temporal movement of visitors', in *Monitoring, Simulation, and Management of Visitor Landscapes*. The University of Arizona Press, USA, 85 - 105, ISBN: 978-0-8165-2729-8
- Zeepongsekul, P. (2008). 'Central Limit Theorem for a Family of Reliability Measures', in *Recent Advances in Reliability and Quality in Design*. Springer, London, UK, 3 - 30, ISBN: 978184001121

Journal Articles

- Ahmad, S., Abdollahian, M. & Zeepongsekul, P. (2008). 'Process capability estimation for non-normal quality characteristics: A comparison of Clements, Burr and Box-Cox methods', in *Australian & New Zealand Industrial and Applied Mathematics*, 49, 642 - 665
- Ahmad, S., Abdollahian, M., Zeepongsekul, P. & Abbasi, B. (2008). 'Performance analysis for skewed data', in *Ubiquitous Computing and Communication Journal*, IKE07, 1 - 8
- Baxter, J., Clarke, M. & Mitchell, D. (2008). 'Evaluating land administration projects in developing countries', in *Land Use Policy*, 25 (4), 464 - 473
- Bedford, A. & Baglin, J. (2008). 'Evaluating the performance of an ice hockey team using interactive phases of play', in *IMA Journal of Management Mathematics*, 20 (2), 1 - 8

- Bennett, J., Shepherd, J. & Blyth, W. (2008). 'An iterative approach to the thermal Newtonian blown film model', in *The ANZIAM Journal*, 48, C837 - C851
- Blackburn, G. & Ferwerda, J. (2008). 'Retrieval of chlorophyll concentration from leaf reflectance spectra using wavelet analysis', in *Remote Sensing of Environment*, 112 (4), 1614 - 1632
- Boztas, S. (2008). 'On influences of variables and their computation', in *Finite Fields and Applications, Contemporary Mathematics*, 461, 21 - 31
- Burton, B. (2008). 'Breaking the routine: Events to complement informatics Olympiad training', in *Olympiads in Informatics*, 2, 5 - 15
- Burton, B. & Hiron, M. (2008). 'Creating informatics Olympiad tasks: Exploring the black art', in *Olympiads in Informatics*, 2, 16 - 36
- Chen, Y., Horadam, K. & Liu, W. (2008). 'Relative difference sets fixed by inversion (III)--Cocycle theoretical approach', in *Discrete Mathematics*, 308 (13), 2764 - 2775
- Chhetri, P. & Arrowsmith, C. (2008). 'GIS-based modelling of recreational potential of nature-based tourist destinations', in *Tourism Geographies*, 10 (2), 233 - 257
- Choy, S., Zhang, K. & Silcock, D. (2008). 'An Evaluation of Various Ionospheric Error Mitigation Methods used in Single Frequency PPP', in *Journal of Global Positioning System*, 7 (1), 62 - 71
- Dharmasena, S., Zeepongsekul, P. & De Silva, B. (2008). 'Two stage sequential procedure for nonparametric regression estimation', in *Australian & New Zealand Industrial and Applied Mathematics Journal*, 49, 681 - 698
- Ding, Y., Gear, J. & Tran, K. (2008). 'A finite element modelling of Thermal Conductivity Fabrics Embedded with Phase Change Material', in *ANZIAM Journal*, 49, 439 - 456
- Eberhard, A. & Borwein, J. (2008). 'Second order cones for maximal monotone operators via representative functions', in *Set-Valued Analysis*, 16 (2-3), 157 - 184
- Farmer, D. & Horadam, K. (2008). 'A polynomial approach to cocycles over elementary abelian groups', in *Journal of the Australian Mathematical Society*, 85, 177 - 190
- Fry, T., Grahlmann, L., Aitken, C. & Masters, T. (2008). 'Health perceptions of home-grown tobacco (chop-chop) smokers', in *Nicotine and Tobacco Research*, 10 (3), 413 - 416
- Hall, J. (2008). 'Graphs associated with codes of covering radius 1 and minimum distance 2', in *The Electronic Journal of Combinatorics*, 15, 1 - 17
- Handmer, J. (2008). 'Risk creation, bearing and sharing on Australian floodplains', in *International Journal of Water Resources Development*, 24 (4), 527 - 540
- Haynes, K., Barclay, J. & Pidgeon, N. (2008). 'Whose reality counts? Factors affecting the perception of volcanic risk', in *Journal of Volcanology and Geothermal Research*, 172 (3-4), 259 - 272
- Hearne, J., Santika, T. & Goodman, P. (2008). 'Portfolio selection theory and wildlife management', in *Journal of the Operations Research Society of South Africa*, 24 (2), 103 - 113
- Hill, R. (2008). 'Dual periodicity in $l(1)$ -norm minimisation problems', in *Systems and Control Letters*, 57 (6), 489 - 496
- Ho, C., Ling, B., Chi, Z., Shikh-Bahaei, M. & Liu, Y. (2008). 'Design of near-allpass strictly minimal-phase real-valued rational IIR filters', in *IEEE Transactions on circuits and systems Part 2 Express Briefs*, 55 (8), 781 - 785
- Ho, C., Ling, B., Liu, Y., Tam, P. & Teo, K. (2008). 'Optimal PWM Control of Switched-Capacitor DC-DC Power Converters via Model Transformation and Enhancing Control Techniques', in *IEEE Transactions on Circuits and Systems - 1: Regular Papers*, 55 (5), 1382 - 1391
- Ho, C., Ling, B., Liu, Y., Tam, P. & Teo, K. (2008). 'Optimum design of discrete-time differentiators via semi-infinite programming approach', in *IEEE Transactions on Instrumentation and Measurement*, 57 (10), 2226 - 2230

- Horadam, K. (2008). 'EA and CCZ equivalence of functions over $GF(2^n)$ ', in *Lecture Notes in Computer Science*, 5130, 134 - 143
- Horadam, K. & Farmer, D. (2008). 'Bundles, presemifields and nonlinear functions', in *Designs, Codes, and Cryptography*, 49 (1-3), 79 - 94
- Lawrie, J. (2008). 'A method for simplifying large ecosystem models', in *Natural Resource Modelling*, 21 (2), 248 - 263
- Lawrie, J. & Hearne, J. (2008). 'A method for aggregating state variables in large ecosystem models', in *Mathematics and Computers in Simulation*, 79 (3), 368 - 378
- LeBel, A. & Horadam, K. (2008). 'Direct sums of balanced functions, perfect nonlinear functions, and orthogonal cocycles', in *Journal of Combinatorial Designs*, 16 (3), 173 - 181
- Liu, G., Meng, L., Fu, E., Zhang, H. & Zhang, K. (2008). 'Land subsidence induced by groundwater extraction and building damage level assessment a case study of Datun, China', in *Journal of China University of Mining and Technology*, 18 (4), 556 - 560
- Luo, H. & Horadam, K. (2008). 'Simulation and measurement of complex network growth: The interplay of uniform and preferential attachment', in *Fundamenta Informaticae*, 84 (1), 61 - 79
- Luo, X., Ou, J., Yuan, Y., Gao, J., Jin, X., Zhang, K. & Xu, H. (2008). 'An improved regularization method for estimating near real-time systematic errors suitable for medium-long GPS baseline solutions', in *Earth Planets and Space*, 60 (8), 793 - 800
- Luo, Y. (2008). 'On the uniqueness of solutions of spectral equations', in *Journal of Global Optimization*, 40, 155 - 160
- Ly, E. & Norrison, D. (2008). 'Application of method of false transients to generate smooth grids around a body in motion', in *Australian & New Zealand Industrial and Applied Mathematics Journal*, 50 (NA), C505 - C518
- Majumder, K., Ding, Y., Hobbs, G. & Bhattacharya, S. (2008). 'Prediction and experimental verification of the bubble and processing characteristics in blown-film extrusion', in *Journal of Applied Polymer Science*, 111, 2657 - 2668
- Medos, S. & Boztas, S. (2008). 'Montgomery residue representation fault-tolerant computation in $GF(2^k)$ ', in *Lecture Notes in Computer Science*, 5107, 419 - 432
- Mukhopadhyay, N. & De Silva, B. (2008). 'Theory and applications of a new methodology for the random sequential probability ratio test', in *Statistical Methodology*, 5 (5), 424 - 453
- Murugaraj, P., Mora-Huertas, N., Mainwaring, D., Ding, Y. & Agrawal, S. (2008). 'Influence of thermal stresses on electron transport in carbon-polymer nanocomposite films', in *Composites Part A: Applied Science and Manufacturing*, 39 (2), 308 - 313
- Norrison, D. & Ly, E. (2008). 'OpenMP performance with an Euler code on an Intel based computer', in *Australian & New Zealand Industrial and Applied Mathematics Journal*, 49, C576 - C590
- Nyblom, M. (2008). 'Counting the perfect powers', in *Mathematical Spectrum*, 41 (1), 27 - 31
- Nyblom, M. (2008). 'An elementary proof of a special case of Catalans conjecture II', in *JP Journal of Algebra, Number Theory and Applications*, 12 (2), 253 - 264
- Nyblom, M. (2008). 'An elementary proof of a special case of Catalans conjecture', in *JP Journal of Algebra, Number Theory and Applications*, 12 (1), 25 - 30
- Parampalli, U. & Boztas, S. (2008). 'On partial correlations of various Z4 sequence families', in *Lecture Notes in Computer Science*, 5203, 332 - 344
- Pinnawala Ralalage, N. & Rao, A. (2008). 'Cocyclic butson Hadamard matrices and codes over Z_n via the trace map', in *Contemporary Mathematics*, 461, 213 - 228

- Rodgers, J. (2008). 'On E-pseudovarieties of finite regular semigroups', in *Bulletin of the Australian Mathematical Society*, 77 (2), 349 - 351
- Shepherd, J. & Grozdanovski, T. (2008). 'Approximating the periodic solutions of the Lotka-Volterra system', in *ANZIAM Journal*, (49), C243 - C257
- Shepherd, J. & Penesis, I. (2008). 'Entry effects in the narrow, gas lubricated, step slider bearing', in *Australian & New Zealand Industrial and Applied Mathematics Journal*, (49), C258 - C272
- Southwell, D., Lechner, A., Coates, T. & Wintle, B. (2008). 'The sensitivity of population viability analysis to uncertainty about habitat requirements: Implications for the management of the endangered southern brown bandicoot', in *Conservation Biology*, 22 (4), 1045 - 1054
- Stacey, A. & Blyth, W. (2008). 'A variational method using Alpert multiwavelets', in *The ANZIAM Journal*, 48, C820 - C836
- Trivailo, P., Wang, F. & Zhang, H. (2008). 'Optimal attitude control of an accompanying satellite rotating around the space station', in *Acta Astronautica*, 64, 89 - 94
- Turan, M., Doganaksoy, A. & Boztas, S. (2008). 'On independence and sensitivity of statistical randomness tests', in *Lecture Notes in Computer Science*, 5203, 18 - 29
- Wen, D., Yuan, Y., Ou, J., Zhang, K. & Liu, K. (2008). 'A hybrid reconstruction algorithm for 3-D ionospheric tomography', in *IEEE Transactions on Geoscience and Remote Sensing*, 46 (6), 1733 - 1739
- Xia, J., Arrowsmith, C., Jackson, M. & Cartwright, W. (2008). 'The wayfinding process relationships between decision-making and landmark utility', in *Tourism Management*, 29 (3), 445 - 457
- Xue, C., Zhou, W., Zhang, A., Greenwood, K., Da Costa, C., Radloff, A., Lin, V. & Story, D. (2008). 'Desired Chinese medicine practitioner capabilities and professional development needs: a survey of registered practitioners in Victoria, Australia', in *BMC Health Services Research*, 8 (27), 1 - 9
- Yuan, Y., Huo, X., Ou, J., Zhang, K., Chai, Y., Wen, D. & Grenfell, R. (2008). 'Refining the Klobuchar Ionospheric Coefficients Based on GPS Observations', in *IEEE Transactions on Aerospace and Electronic Systems*, 44 (4), 1498 - 1510
- Zhang, H., Wang, F. & Trivailo, P. (2008). 'Spin-axis stabilisation of underactuated rigid spacecraft under sinusoidal disturbance', in *International Journal of Control*, 81 (12), 1901 - 1909
- Zhang, J., Zhang, K., Grenfell, R. & Deakin, R. (2008). 'On Real-Time High Precision Velocity Determination for Standalone GPS Users', in *Survey Review*, 40 (310), 366 - 378
- Zhang, K., Fu, E. & Luo, J. (2008). 'Inversion of atmospheric profiles with COSMIC radio occultation data over Australia', in *Geomatics and Information Science of Wuhan University*, 33 (8), 800 - 804
- Zheng, Z., Guo, R., Helme, R., Muir, A., Da Costa, C. & Xue, C. (2008). 'The effect of electroacupuncture on opioid-like medication consumption by chronic pain patients: A pilot randomized controlled clinical trial', in *European Journal of Pain*, 12 (5), 671 - 676
- Zheng, Z., Guo, R., Helme, R., Muir, A., Da Costa, C. & Xue, C. (2008). 'The effect of electroacupuncture on opioid-like medication consumption by chronic pain patients: A randomized controlled clinical trial', in *The European Journal of Pain*, 12, 671 - 676

Conference Proceedings

- Ahmad, S., Abdollahian, M. & Zeephongsekul, P. (2008). 'Evaluating process capability by fitting Burr distribution to multivariate data', *Proceedings of the 14th ISSAT International Conference. Reliability and Quality in Design*, Hoang Pham, Toshio Nakagawa (ed.), 14th ISSAT International Conference. Reliability and Quality in Design
- Ahmad, S., Nazari, A., Abdollahian, M. & Zeephongsekul, P. (2008). 'Fitting Burr XII distribution to continuous positive data using hybrid search method', *Proceedings of the 2008 International Conference of Information and*

Knowledge Engineering, Hamid R. Arabnia, Ray R. Hashemi (ed.), 2008 International Conference of Information and Knowledge Engineering (IKE'08)

Alam, F., Subic, A., Plumb, G., Shortis, M. & Chandra, R. (2008). 'Off campus engineering education', *Proceedings of the 4th BSME-ASME International Conference on Thermal Engineering*, Prof A.K.M Sadrul Islam, Prof. Toshiaki Setoguchi, Prof. M. Ruhul Amin, Dr. Sekhar Majumdar, Dr. Firoz Alam, Dr. Mehrdad T. Manzari (ed.), The 4th BSME-ASME International Conference on Thermal Engineering

Arakala, A., Horadam, K. & Boztas, S. (2008). 'Practical considerations for secure minutiae based templates', *2008 Biometrics Symposium*, L. Hornak, A. Jain, J. Kittler, T. Tan (ed.), 2008 Biometrics Symposium (BSYM 2008)

Arrowsmith, C. & Cartwright, W. (2008). 'A virtual geomorphic atlas for undergraduate teaching of geomorphology', *Queensland Spatial Conference 2008. Global Warning: What's Happening in Paradise? Conference Proceedings*, Chris Swane, Kevin McDougall (ed.), Queensland Spatial Conference 2008. Global Warning: What's Happening in Paradise?

Baglin, J., Bedford, A., Ladds, M. & Makhoul, P. (2008). 'A measure of coach's influence on games in the run: who is most accountable?', *Proceedings of the Ninth Australasian Conference on Mathematics and Computers in Sport*, John Hammond (ed.), Ninth Australasian Conference on Mathematics and Computers in Sport

Bedford, A., Romagnano, S., Patrick, K., Bedford, M. & Barber, J. (2008). 'A discipline specific factor analysis approach to evaluating student surveys at an Australian University', *Conference Proceedings of the 8th Annual SEAAIR Conference on institutional capacity building towards higher education competitive advantage*, Tatik Suryani, MM Liniawati (ed.), 8th Annual SEAAIR Conference

Boztas, S. (2008). 'Fast computation of Boolean influences', *Proceedings 2008 IEEE International Symposium on Information Theory*, R. Koetter, G. Kramer, H. Bolkschei (ed.), 2008 IEEE International Symposium on Information Theory

Burton, B. (2008). 'Informatics Olympiads: challenges in programming and algorithm design', *Proceedings of the 31st Australasian Computer Science Conference*, Gillian Dobbie, Bernard Mans (ed.), 31st Australasian Computer Science Conference (ACSC 2008)

Cartwright, W., Arrowsmith, C., Miles, A., Morris, B., Vaughan, L. & Yuille, J. (2008). 'Geoplaced knowledge: developing a methodology for provisioning stakeholders in natural environments management with integrated media tools', *Queensland Spatial Conference 2008. Global Warning: What's Happening in Paradise? Conference Proceedings*, Chris Swane, Kevin McDougall (ed.), Queensland Spatial Conference 2008. Global Warning: What's Happening in Paradise?

Choy, S., Zhang, K., Silcock, D. & Holden, L. (2008). 'An empirical approach to study the effects of a priori observations sigma ratio in single frequency precise point positioning', *Proceedings of the International Symposium of GPS/ GNSS 2008*, Tomoyuki Miyano, Jianxin Li (ed.), International Symposium on GPS/ GNSS 2008

Choy, S., Zhang, K., Silcock, D. & Holden, L. (2008). 'Feasibility of using regional ionosphere maps in single frequency precise point positioning: a case study in Australia', *Proceedings of the International Symposium on GPS/ GNSS 2008*, - (ed.), International Symposium on GPS/ GNSS 2008

Dharmasena, S. & Zeepongsekul, P. (2008). 'Bootstrap sequential fixed-width confidence interval estimation of process capability index CPM', *Proceedings 14th ISSAT International Conference. Reliability and Quality in Design*, Hoang Pham, Toshio Nakagawa (ed.), 14th ISSAT International Conference. Reliability and Quality in Design

Dharmasena, S., De Silva, B. & Zeepongsekul, P. (2008). 'Sequential fixed-width confidence bands for kernel regression estimation', *International MultiConference of Engineers and Computer Scientists (IMECS 2008) Proceedings*, Craig Douglas, Ping-Kong Alexander Wai (ed.), International MultiConference of Engineers and Computer Scientists (IMECS 2008)

Dharmasena, T. (2008). 'Fixed-width sequential confidence bands in kernel regression using bootstrap approximation', *International Conference on Data Management, ICDM 2008*, Jayanthi Ranjan, Poonam Garg (ed.), International Conference on Data Management, ICDM 2008

Ding, Y., Tran, K., Gear, J., Mainwaring, D. & Murugaraj, P. (2008). 'The influence of interphase between nanoparticles and matrix on Young's modulus of nanocomposite', *Proceedings of International Conference on Nanoscience and Nanotechnology. ICONN 2008*, Paul Mulvaney, Abid Khan (ed.), International Conference on Nanoscience and Nanotechnology. ICONN 2008

- Ebringer, T., Sun, L. & Boztas, S. (2008). 'A fast randomness test that preserves local detail', *Proceedings of the 18th Virus Bulletin International Conference*, Karen Richardson (ed.), Virus Bulletin 2008
- Farmer, D. & Horadam, K. (2008). 'Presemifield bundles over GF(P3)', *2008 IEEE International Symposium of Information Theory Proceedings*, Ralf Koetter, Gerhard Kramon, Helmut Bofeskei (ed.), 2008 IEEE International Symposium of Information Theory
- Fu, E. (2008). 'Assessing space-based GNSS technology for meteorological studies in Australia', *ION GNSS 2008*, Mikel Miller (ed.), 21st International Meeting of the Satellite Division of the Institute of Navigation
- Fu, E., Zhang, K., Wu, F., Marion, K., Rea, A., Kuleshov, Y. & Weymouth, G. (2008). 'An evaluation of GNSS radio occultation technology for Australian meteorology', *International Association of Chinese Professionals in GPS*, Jinlin Wang (ed.), The Second CPGPS Forum on the Next Generation GNSS - Opportunities and Challenges
- Hall, J. & Rao, A. (2008). 'The Algebraic structure of mutually unbiased bases', *International Symposium on Information Theory and its Applications*, Ulrich Speidel, Hidetoshi Yokoo (ed.), International Symposium on Information Theory and its Applications (ISITA2008)
- Khairuddin, M., Penkung, Z. & Rao, A. (2008). 'Risk mitigation strategies for the prepaid card issuer in Australia', *Proceedings of the Sixth Australian Information Security Management Conference*, C. Valli, A. Woodward (ed.), Sixth Australian Information Security Management Conference
- Ladds, M. & Bedford, A. (2008). 'A player rating model in men's badminton', *Proceedings of the Ninth Australasian Conference on Mathematics and Computers in Sport*, John Hammond (ed.), Ninth Australasian Conference on Mathematics and Computers in Sport
- Mitchell, D. & Enemark, S. (2008). 'Land administration and land management education in South-East Asia - considering the role of higher education', *Stockholm 2008: FIG Working Week - Integrated Generations*, Chryssy Potsiou (ed.), International Federation of Surveyors (FIG) Working Week 2008
- Nazari, A., Ahmad, S., Abdollahian, M. & Zeepongsekul, P. (2008). 'A model to estimate proportion of nonconformance for multi-characteristics product', *Sixth International Management Conference Proceedings*, Ali Mashayekhi (ed.), Sixth International Management Conference (IMC 2008)
- Patrick, K., Bedford, A., Romagnano, S., Bedford, M. & Barber, J. (2008). 'A discipline specific factor analysis approach to using student surveys for improvement', *Australasian Association for Institutional Research. Papers form 2008 Forum*, AAIR conference committee (ed.), 2008 Forum of AAIR
- Pell, B., Rowe, W., Sulic, E., Ghorbani, K., John, S., Gupta, R., Zhang, K. & Hughes, B. (2008). 'Experimental study of the effect of paint on embedded automotive antennas', *Proceedings of the 67th IEEE Vehicular Technology Conference 2008, VTC, 2008*, Mario Gerla (ed.), Vehicular Technology Conference 2008,
- Pell, B., Sulic, E., Rowe, W., Ghorbani, K., John, S., Gupta, R. & Zhang, K. (2008). 'The design and realization of uniplanar CPW fed PICA slot antennas', *Proceedings of the 2008 Asia-Pacific Microwave Conference*, Edward K.N. Yung (ed.), 2008 Asia-Pacific Microwave Conference (AMPC 2008)
- Rao, A. & Pinnawala Ralalage, N. (2008). 'Non-binary codes via the trace map', *Ramanujan Mathematical Society Lecture Notes Series No. 7, 2008. Proceedings of the International Conference on Discrete Mathematics.*, R. Balakrishnan, L.E. Veni Madhavan (ed.), International Conference on Discrete Mathematics (ICDM2006)
- Ryall, R. & Bedford, A. (2008). 'An algorithm to plot an AFL team's performance in real time using interactive phases of play', *Proceedings of the Ninth Australasian Conference on Mathematics and Computers in Sport*, John Hammond (ed.), Ninth Australasian Conference on Mathematics and Computers in Sport
- Sargent, J. & Bedford, A. (2008). 'Measuring consistency in performance using data transformations', *Proceedings of the Ninth Australasian Conference on Mathematics and Computers in Sport*, John Hammond (ed.), Ninth Australasian Conference on Mathematics and Computers in Sport
- Sulic, E., Pell, B., John, S., Gupta, R., Rowe, W., Ghorbani, K. & Zhang, K. (2008). 'Performance of embedded multi-frequency communication devises in smart composite structures', *Proceedings of SMASIS 08, ASME Conference on Smart Materials, Adaptive Structures and Intelligent Systems*, CS Lynch, D Brei (ed.), ASME/AIAA Smart Materials, Adaptive Structures and Intelligent Systems Conference (SMASIS)

- Sun, L., Ebringer, T. & Boztas, S. (2008). 'An automatic anti-anti-VMware technique applicable for multi-stage packed malware', *Proceedings of Malware 2008 Conference*, J. Nazario, J. Fernandez (ed.), The Third Malicious and Unwanted Software Conference
- Wu, S., Zhang, K. & Silcock, D. (2008). 'An investigation of performance difference of regional atmospheric models for network RTK - a case study in Victoria', *Proceedings of the International Symposium on GPS/ GNSS 2008*, - (ed.), International Symposium on GPS/ GNSS 2008
- Xu, H., Heejun, K. & Zhang, K. (2008). 'Small signal modelling for the smart power IC', *International Conference on Signal Processing and Communication Systems 2008*, Tadeusz A. Wysocki, Beata J. Wysocki (ed.), International Conference on Signal Processing and Communication Systems 2008 (ICSPCS 2008)
- Zeepongsekul, P. & Dharmasena, S. (2008). 'Predicting software reliability growth using nonparametric regression', *2008 proceedings 14th ISSAT International Conference. Reliability and Quality in Design*, Hoang Pham, Toshio Nakagawa (ed.), 14th ISSAT International Conference. Reliability and Quality in Design
- Zhang, K., Wu, F., Fu, E., Xu, X., Rea, A., Weymouth, G., Biadeglne, B. & Kuleshov, Y. (2008). 'Validations of GNSS radio occultation technique over Australia', *International Symposium on GPS/ GNSS 2008*, Akio Yasuda (ed.), International Symposium on GPS/ GNSS 2008
- Zhu, M. (2008). 'Novel positioning algorithms for RFID-assisted 2D MEMS INS systems', *Proceedings of the 21st International Technical Meeting of the Satellite Division of the Institute of Navigation*, The Institute of Navigation (ed.), ION GNSS 2008 - 21st International Technical Meeting of the Satellite Division

Medical Sciences

Book Chapters

- Darby, I. & Hewitson, T. (2008). 'In situ hybridization', in *Molecular Biomethods Handbook*. Humana Press, United States, 1081 - 1095, ISBN: 9871603273749
- Hawley, J. & Nader, G. (2008). 'Metabolic adaptations to training', in *The Olympic textbook of medicine in sport*. Wiley-Blackwell, USA, 78 - 87, ISBN: 9781405156370
- Lessard, S. & Hawley, J. (2008). 'Evidence for prescribing exercise as a therapy for treating patients with type 2 diabetes', in *Physical activity and type 2 diabetes - Therapeutic effects mechanisms of action*. Human Kinetics, USA, 155 - 163, ISBN: 987736064798

Journal Articles

- Ackerly, T., Geso, M. & Smith, R. (2008). 'Radiotherapy DICOM packet sniffing', in *Australasian Physical and Engineering Sciences in Medicine*, 31 (3), 243 - 251
- Balmer, J., Bird, S. & Davidson, R. (2008). 'Indoor 16.1-km time-trial performance in cyclists aged 25-63 years', in *Journal of Sports Sciences*, 26 (1), 57 - 62
- Balmer, J., Bird, S., Davidson, R. & Alejandro, L. (2008). 'Effect of age on 16.1-km time-trial performance', in *Journal of Sports Sciences*, 26 (2), 197 - 206
- Benson, A., Torode, M. & Fiatarone Singh, M. (2008). 'Effects of resistance training on metabolic fitness in children and adolescents: a systematic review', in *Obesity Reviews*, 9 (1), 43 - 66
- Brennan, L., Walkley, J., Fraser, S., Greenway, K. & Wilks, R. (2008). 'Motivational interviewing and cognitive behaviour therapy in the treatment of adolescent overweight and obesity: Study design and methodology', in *Contemporary Clinical Trials*, 29 (3), 359 - 375
- Buck, N., Cheah, D., Ngaire, E., Wright, P. & Allen, K. (2008). 'Correction of copper metabolism is not sustained long term in Wilson's disease mice post bone marrow transplantation', in *Hepatology International*, 2 (1), 72 - 79

- Cham, J. & Badoer, E. (2008). 'Hypothalamic paraventricular nucleus is critical for renal vasoconstriction elicited by elevations in body temperature', in *American Journal of Physiology-Renal Physiology*, 294 (2), 309 - 315
- Cham, J. & Badoer, E. (2008). 'Exposure to a hot environment can activate rostral ventrolateral medulla-projecting neurones in the hypothalamic paraventricular nucleus in conscious rats', in *Experimental Physiology*, 93 (1), 64 - 74
- Chen, F., Dworak, M., Wang, Y., Cham, J. & Badoer, E. (2008). 'Role of the hypothalamic PVN in the reflex reduction in mesenteric blood flow elicited by hyperthermia', in *American Journal of Physiology*, 295, R1874 - R1881
- Davidson, R. & Sim, J. (2008). 'Computed Radiography and Dosimetry: Some Practical Tips for Dose Optimization Procedures', in *Journal of Medical Imaging and Radiation Sciences*, 39 (3), 109 - 114
- Deshmukh, A., Hawley, J. & Zierath, J. (2008). 'Exercise-induced phospho-proteins in skeletal muscle', in *International Journal of Obesity*, 32, 18 - 23
- Doggrell, S. (2008). 'Therapeutic potential of non-peptide chymase inhibitors', in *Expert Opinion on Therapeutic Patents*, 18 (5), 485 - 499
- Doggrell, S. (2008). 'Is long-term adjuvant treatment of breast cancer with anastrozole indicated?', in *Expert Opinion on Pharmacotherapy*, 9 (9), 1619 - 1622
- Doggrell, S. (2008). 'Is tocilizumab an option for the treatment of arthritis?', in *Expert Opinion on Pharmacotherapy*, 9 (11), 2009 - 2013
- Doggrell, S. (2008). 'Clinical trials with thiazolidinediones in subjects with Type 2 diabetes: Is pioglitazone any different from rosiglitazone?', in *Expert Opinion on Pharmacotherapy*, 9 (3), 405 - 420
- Doggrell, S. (2008). 'New horizons for zoledronic acid: Results of the HORIZON trials in postmenopausal women with osteoporosis and after hip fracture', in *Expert Opinion on Pharmacotherapy*, 9 (4), 663 - 668
- Doggrell, S. (2008). 'New indications for topiramate: alcohol dependency and binge-eating disorder', in *Expert Opinion on Pharmacotherapy*, 9 (5), 869 - 873
- Doggrell, S. (2008). 'Celecoxib to prevent restenosis - results from the COREA-TAXUS trial', in *Expert Opinion on Pharmacotherapy*, 9 (2), 339 - 341
- Doggrell, S. (2008). 'Is sapropterin treatment suitable for all subjects with phenylketonuria?', in *Expert Opinion on Pharmacotherapy*, 9 (1), 145 - 147
- Doggrell, S. (2008). 'Is rimonabant efficacious and safe in the treatment of obesity?', in *Expert Opinion on Pharmacotherapy*, 9 (15), 2727 - 2731
- Ellis, A., Cheng, Z., Li, Y., Jiang, Y., Jing, Y., Pannirselvam, M., Ding, H., Hollenberg, M. & Triggle, C. (2008). 'Effects of a Western diet versus high glucose on endothelium-dependent relaxation in murine micro- and macro-vasculature', in *European Journal of Pharmacology*, 601 (1-3), 111 - 117
- Feldman, S., Radermacher, H., Browning, C., Bird, S. & Thomas, S. (2008). 'Challenges of recruitment and retention of older people from culturally diverse communities in research', in *Ageing and Society*, 28, 473 - 493
- Geso, M., Ackerly, T., Brown, S., Chua, Z., He, C., Wong, C., Powell, C., Ho, A., Qiao, G., Solomon, D., Patterson, W. & Droege, J. (2008). 'Determination of dosimetric perturbations caused by aneurysm clip in stereotactic radiosurgery using gel phantoms and EBT-Gafchromic films', in *Medical Physics*, 35 (2), 744 - 752
- Harney, D. & Macrides, T. (2008). 'Synthesis of an isomeric mixture (24RS,25RS) of sodium scymnol sulfate', in *Steroids*, 73 (4), 424 - 429
- Hawley, J. (2008). 'Specificity of training adaptation: Time for a rethink?', in *Journal of Physiology*, 586 (1), 1 - 2
- Hawley, J. & Dunstan, D. (2008). 'The battle against obesity: Attacking physical inactivity as a primary means of defence', in *Nature Clinical Practice Endocrinology and Metabolism*, 4 (10), 548 - 549
- Hawley, J. & Lessard, S. (2008). 'Exercise training-induced improvements in insulin action', in *Acta Physiologica*, 192 (1), 127 - 135

- He, C., Geso, M., Ackerly, T. & Wong, C. (2008). 'Stereotactic dose perturbation from an aneurysm clip measured by Gafchromic EBT film', in *Australasian Physical and Engineering Sciences in Medicine*, 31 (1), 18 - 23
- He, J., O'Keefe, G., Gong, S., Jones, G., Saunders, T., Scott, A. & Geso, M. (2008). 'A novel method for respiratory motion gated with geometric sensitivity of the scanner in 3D PET', in *IEEE Transactions on Nuclear Science*, 55 (5), 2557 - 2565
- Holmes, A., Mesa, J., Neill, B., Chung, J., Carey, A., Steinberg, G., Kemp, B., Southgate, R., Lancaster, G., Clinton, B., Watt, M. & Febbraio, M. (2008). 'Prolonged interleukin-6 administration enhances glucose tolerance and increases skeletal muscle PPAR alpha and UCP2 expression in rats', in *Journal of Endocrinology*, 198 (2), 367 - 374
- Horne, M., Lee, J., Chen, F., Lanning, K., Thomas, D. & Lawrence, A. (2008). 'Long-term administration of cocaine or serotonin reuptake inhibitors results in anatomical and neurochemical changes in noradrenergic, dopaminergic, and serotonin pathways', in *Journal of Neurochemistry*, 106, 1731 - 1744
- Irvine, J., Ritchie, R., Favaloro, J., Andrews, K., Widdop, R. & Kemp-Harper, B. (2008). 'Nitroxyl (HNO): the Cinderella of the nitric oxide story', in *Trends in Pharmacological Sciences*, 29 (12), 601 - 608
- Mallows, R. & Newman, D. (2008). 'Cardiovascular data acquisition in a dynamic motion environment', in *Aviation Space and Environmental Medicine*, 79 (4), 416 - 419
- Mandarano, G. & Sim, J. (2008). 'The diagnostic MRCP examination: overcoming technical challenges to ensure clinical success', in *Biomedical Imaging and Intervention Journal*, 4 (4), 1 - 15
- McManus, J., Davey, R., Maclean, H., Doust, E., Chiu, M., Sims, N., Bouxsein, M., Glatt, V., Zajac, J. & Danks, J. (2008). 'Intermittent fugu parathyroid hormone 1 (1-34) is an anabolic bone agent in young male rats and osteopenic ovariectomized rats', in *Bone*, 42, 1164 - 1174
- Mishra, A., Greaves, R., Smith, K., Carlin, J., Wootton, A., Stirling, R. & Massie, J. (2008). 'Diagnosis of cystic fibrosis by sweat testing: Age-specific reference intervals', in *The Journal of Paediatrics*, 153 (6), 758 - 763
- Muller, S. & Abernethy, B. (2008). 'Validity and reliability of a simple categorical tool for the assessment of interceptive skill', in *Journal of Science and Medicine in Sport*, 11 (6), 549 - 552
- Naylor, R., Richardson, S. & McAllan, B. (2008). 'Boom and bust: a review of the physiology of the marsupial genus *Antechinus*', in *Journal of Comparative Physiology B: Biochemical Systemic and Environmental Physiology*, 178 (5), 545 - 562
- Pedersen, D., Lessard, S., Coffey, V., Churchley, E., Wootton, A., Ng, T., Watt, M. & Hawley, J. (2008). 'High rates of muscle glycogen resynthesis after exhaustive exercise when carbohydrate is coingested with caffeine', in *Journal of Applied Physiology*, 105 (1), 7 - 13
- Raina, H., Ella, S. & Hill, M. (2008). 'Decreased activity of the smooth muscle Na⁺/Ca²⁺ exchanger impairs arteriolar myogenic reactivity', in *Journal of Physiology*, 586 (6), 1669 - 1681
- Richardson, S. (2008). 'Marsupial models for understanding evolution of thyroid hormone distributor proteins', in *Molecular and Cellular Endocrinology*, 293 (1-2), 32 - 42
- Roulston, C., Callaway, J., Jarrott, B., Woodman, O. & Dusting, G. (2008). 'Using behaviour to predict stroke severity in conscious rats: Post-stroke treatment with 3',4'-dihydroxyflavonol improves recovery', in *European Journal of Pharmacology*, 584 (1), 100 - 110
- Saito, M., Lessard, S., Rivas, D., Reeder, D., Hawley, J. & Yaspelkis, B. (2008). 'Activation of atypical protein kinase C zeta toward TC10 is regulated by high-fat diet and aerobic exercise in skeletal muscle', in *Metabolism: Clinical and Experimental*, 57 (9), 1173 - 1180
- Shanahan, M. (2008). 'Transforming information search and evaluation practices of undergraduate students', in *International Journal of Medical Informatics*, 77 (8), 518 - 526
- Sim, J. & Radloff, A. (2008). 'Enhancing reflective practice through online learning: Impact on clinical practice', in *Biomedical Imaging and Intervention Journal*, 4 (1), 1 - 13

- Sim, J. & Radloff, A. (2008). 'Profession and professionalisation in medical radiation science as an emergent profession', in *Radiography*, 15 (3), 203 - 208
- Singh, I., Carey, A., Watson, N., Febbraio, M. & Hawley, J. (2008). 'Oxidative stress-induced insulin resistance in skeletal muscle cells is ameliorated by gamma-tocopherol treatment', in *European Journal of Nutrition*, 47 (7), 387 - 392
- Singh, I., Mok, M., Christensen, A., Turner, A. & Hawley, J. (2008). 'The effects of polyphenols in olive leaves on platelet function', in *Nutrition Metabolism and Cardiovascular Diseases*, 18 (2), 127 - 132
- Singh, M., Hodges, L., Wright, P., Cheah, D., Kalafatis, N., Macrides, T. & Wynne, P. (2008). 'The CO₂-SFE crude lipid extract and the free fatty acid extract from *Perna canaliculus* have anti-inflammatory effects on adjuvant-induced arthritis in rats', in *Comparative Biochemistry and Physiology B: Biochemistry and Molecular Biology*, 149 (2), 251 - 258
- Southgate, D., Barras, N. & Kummer, L. (2008). 'The effect of three different visual monitoring strategies on the accuracy of leg-before-wicket decisions by cricket umpires', in *Clinical and Experimental Optometry*, 91 (4), 385 - 393
- Sun, Z., Lin, C., Davidson, R., Dong, C. & Liao, Y. (2008). 'Diagnostic value of 64-slice CT angiography in coronary artery disease: A systematic review', in *European Journal of Radiology*, 67 (1), 78 - 84
- Tsiros, M., Sinn, N., Brennan, L., Coates, A., Walkley, J., Petkov, J., Howe, P. & Buckley, J. (2008). 'Cognitive behavioural therapy improves diet and body composition in overweight and obese adolescents', in *American Journal of Clinical Nutrition*, 87 (5), 1134 - 1140
- Weissensteiner, J., Farrow, D., Abernethy, B. & Muller, S. (2008). 'The development of anticipation: A cross-sectional examination of the practice experiences contributing to skill in cricket batting', in *Journal of Sport & Exercise Psychology*, 30, 663 - 684
- Yap, S., Loft, K., Woodman, O. & Spencer, W. (2008). 'Discovery of water-soluble antioxidant flavonols without vasorelaxant activity', in *ChemMedChem*, 3 (10), 1572 - 1579
- Yeo, W., Lessard, S., Chen, Z., Garnham, A., Burke, L., Rivas, D., Kemp, B. & Hawley, J. (2008). 'Fat adaptation followed by carbohydrate restoration increases AMPK activity in skeletal muscle from trained humans', in *Journal of Applied Physiology*, 105, 1519 - 1526
- Yeo, W., Paton, C., Garnham, A., Burke, L., Carey, A. & Hawley, J. (2008). 'Skeletal muscle adaptation and performance responses to once a day versus twice every second day endurance training regimens', in *Journal of Applied Physiology*, 65, 1462 - 1470
- Young, E., Hill, M., Wiehler, W., Triggle, C. & Reid, J. (2008). 'Reduced EDHF responses and connexin activity in mesenteric arteries from the insulin-resistant obese Zucker rat', in *Diabetologia*, 51 (5), 872 - 881
- Zajac, J. & Danks, J. (2008). 'The development of the parathyroid gland: from fish to human', in *Current Opinion in Nephrology and Hypertension*, 17 (4), 353 - 356
- Zhao, J. & Majewski, H. (2008). 'Endothelial nitric oxide attenuates Na⁺/Ca²⁺ exchanger-mediated vasoconstriction in rat aorta', in *British Journal of Pharmacology*, 154 (5), 982 - 990

Conference Proceedings

- Shanahan, M. & Forrest, W. (2008). 'Information literacy: Past success and future needs for undergraduate health practitioners', *Lifelong learning: reflecting on success and framing futures*, Graham Black (ed.), 5th International Lifelong Learning Conference

SET College Office

Conference Proceedings

Alam, F., Subic, A., Plumb, G., Shortis, M. & Chandra, R. (2008). 'Off campus engineering education', *Proceedings of the 4th BSME-ASME International Conference on Thermal Engineering*, Prof A.K.M Sadrul Islam, Prof. Toshiaki Setoguchi, Prof. M. Ruhul Amin, Dr. Sekhar Majumdar, Dr. Firoz Alam, Dr. Mehrdad T. Manzari (ed.), The 4th BSME-ASME International Conference on Thermal Engineering

D'Souza, D., Hamilton, M., Harland, J., Muir, P., Thevathayan, C. & Walker, C. (2008). 'Transforming learning of programming: A mentoring project', *Proceedings Tenth Australasian Computing Education Conference (ACE 2008)*, Simon and Margaret Hamilton (ed.), Tenth Australasian Computing Education Conference (ACE 2008)