RESEARCH PUBLICATIONS, CREATIVE WORKS AND OTHER RESEARCH OUTPUTS

**Book - Authored**


**Chapter**


**Conference - Abstract**


DAY, K.J; TIWARI, P; WARREN, J.R. 'Collaboration in the real world as foundation for health robotics research for aged care', *13th International Congress on Medical Informatics (MEDINFO 2010), Proceedings, 13th International Congress of Medical Informatics, Capetown, September 2010.*

DENNY, P.C; LUXTON-REILLY, A; HAMER, J; DAHLSTROM, D; PURCHASE, H. 'Self-Predicted and Actual Performance in an Introductory Programming Course’, *ITiCSE 2010, Bilkent, Ankara, Turkey, 26 June - 30 June 2010, p118-122.*


HOSKING, J.G; LONG, B. 'Message from the ASWEC 2010 Industry Programme Chairs’, *Software Engineering Conference (ASWEC), 2010 21st Australian, Software Engineering Conference (ASWEC), 2010 21st Australian, px-x, 10.1109/ASWEC.2010.21.*


TIWARI, P; DAY, K.J; WARREN, J.R. 'Can a robot facilitate medication information exchange in aged care?', *18th
Annual Health Informatics Conference (HIC 2010), Proceedings, 18th Annual Health Informatics Conference, Melbourne, August 2010, p156-156.


Conference - Oral Presentation


LUXTON-REILLY, A.J. 'Writing exam questions? Make students do it!', Tenth Annual Teaching and Learning Showcase, The University of Auckland, New Zealand, 26 October - 27 October 2010.


SMITH, P; HOSKING, J; JONES, N; KRULL, E. 'Some rather interesting observations about technological roadmapping', New Zealand Computer Society’s 50th Anniversary Conference, Distinction Hotel and Conference Centre, Rotorua, New Zealand, 16 September - 17 September 2010.


Conference - Other
ATALAG, K. 'From Non-Formal Clinical Information Constructs to openEHR Clinical Models to Software - Endoscopy as an example domain', International Medical Informatics Conference 2010 (MEDINFO 2010), Cape Town / South Africa, 12 September - 15 September 2010.

KLETTE, R; KIMMEL, R; SUGIMOTO, A. 'ACCV 2010, Oral and keynote presentations, Editor', ACCV, Queenstown, 8 November - 12 November 2010.

Conference - Proceedings


ADNAN, M; WARREN, J.R; ORR, M; EWENS, A; SCOTT, J; TRUBSHAW, S. 'The Quality of Electronic Discharge Summaries for Post-Discharge Care: Hospital Panel Assessment and IT to Support Improvement (best student paper award winner)', Proceedings, 9th Annual Health Informatics New Zealand Conference and Exhibition, Wellington, 2 November - 4 November 2010.

ADNAN, M; WARREN, J; ORR, M.P. 'Assessing Text Characteristics of Electronic Discharge Summaries and their Implications for Patient Readability', Proceedings, Australasian Workshop on Health Informatics and Knowledge Management (HIKM), Brisbane, January - January 2010.

ALAM, S; DOBBIE, G; RIDDEL, P.J; NAEEM, A. 'Particle Swarm Optimization Based Hierarchical Agglomerative Clustering', IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technologies (WI-IAT 2010), Toronto, Canada, 31 August - 3 September 2010.

ALAM, S; DOBBIE, G; RIDDEL, P; NAEEM, M.A. 'A swarm intelligence based clustering approach for outlier detection', IEEE Congress on Evolutionary Computation, Barcelona, Spain, 18 July - 23 July 2010, p1-7, 10.1109/CEC.2010.5586152.


ATALAG, K; YANG, H; WARREN, J.R. 'On the Maintainability of openEHR Based Health Information Systems - an Evaluation Study in Endoscopy', Proceedings, 18th Annual Health Informatics Conference, Melbourne, August 2010, p1-5.


Denny, P; Luxton-Reilly, A; Hamer, J; Dahlstrom, D; Purchase, H. 'Self-Predicted and Actual Performance in an Introductory Programming Course', Proceedings of the fifteenth annual conference on Innovation and technology in computer science education, Bilkent, Ankara, Turkey, p118-122.

Gu, Y; Warren, J.R; Day, K.J. 'Helping Clinicians Identify the Clinical Utility of Genetic Tests (Branko Cesnik Best Accepted Student Scientific Paper Award winner)', Proceedings, 18th Annual Health Informatics Conference, Melbourne, August 2010, p41-46.


Hu, T; Liu, C; Sun, J; Sung, S. 'Pairwise Constrained Clustering with Group Similarity-Based Patterns', 9th International Conference on Machine Learning and Applications, Washington DC, USA, 12 December - 14 December 2010.


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Luxton-Reilly, A.J; Denny, P.C; Plimmer, B.E; Sheehan, R.J. 'StudySieve: supporting student-generated free-response questions', CITRENZ 2010, Dunedin, 6 July - 9 July 2010, p129-137.

Luxton-Reilly, A.J; Plimmer, B.E; Sheehan, R.J. 'StudySieve - A Tool that Supports Constructive Evaluation for free-response questions', CHINZ 2010, Auckland, 8 July - 8 July 2010.


Pemantle, R; Wilson, M.C. 'Asymptotic expansions of oscillatory integrals with complex phase', AMS Special Sessions on Algorithmic Probability and Combinatorics, DePaul University; University of British Columbia, p221-


PURCHASE, H; HAMER, J; DENNY, P; LUXTON-REILLY, A. 'The Quality of a PeerWise MCQ Repository', Twelfth Australasian Computing Education Conference (ACE 2010), Brisbane, Australia, p137-146.

PURCHASE, H; PLIMMER, B.E; BAKER, R.A; PILCHER, C.C. 'Graph drawing aesthetics in user-sketched graph layouts', User Interfaces 2010, Brisbane, January - January 2010, p80-88.


SENIVIRATNE, N; PLIMMER, B.E. 'Improving Stylus Interaction for eMedical Forms', OZCHI 2010, Brisbane, 24 November - 26 November 2010, p280-287.


SINGH, J; LUTTEROTH, C; WÜNSCHE, B.C. 'Taxonomy of usability requirements for home telehealth systems', CHINZ 2010 - Proceedings of the 11th International Conference NZ Chapter of the ACM Special Interest Group on Human-Computer Interaction (SIGCHI-NZ), p29-32.


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WARREN, J.R; GOODYEAR-SMITH, F; MILLER, D; WARREN, D; PATON, C; MABOTUWANA, T; ARROLL, B. 'An Integrated Electronic Lifestyle and Mental Health Patient Self-Assessment for General Practice: Design and Initial Field Study', Proceedings, 9th Annual Health Informatics New Zealand Conference and Exhibition, Wellington, 2 November - 4 November 2010.

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YEUNG, T; CROSSLAND, S; LUTTEROTH, C; WEBER, G. 'The table widget reloaded: Requirements, design and implementation', *CHINZ 2010 - Proceedings of the 11th International Conference NZ Chapter of the ACM Special Interest Group on Human-Computer Interaction (SIGCHI-NZ)*, p81-88.

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ANSLOW, C; MARSHALL, S; NOBLE, J; TEMPERO, E.D; BIDDLE, R. 'User evaluation of polymetric views using a large visualization wall.', *SOFTVIS*, 10.1145/1879211.1879218.

ANSLOW, C; NOBLE, J; MARSHALL, S; TEMPERO, E. 'User Evaluation of the System Hotspot View Technique Using a Large Visualization Wall', *ACM Symposium on Software Visualization (SOFTVIZ)*.

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DINNEEN, M.J; KIM, Y.B; NICOLESCU, R. 'Synchronization in P Modules', 9th International Conference on Unconventional Computation (UC2010), Univ Tokyo, Hongo Campus, Tokyo, Japan, 21 June - 25 June 2010.

DINNEEN, M.J; KIM, Y; NICOLESCU, R. 'A Faster P Solution for the Byzantine Agreement Problem', 11th International Conference on Membrane Computing (CMC11), Friedrich Schiller University Jena, Germany, 24 August - 27 August 2010.


EL-BAZ, A; GIMEL'FARB, G; FALK, R; EL-GHAR, M. 'Appearance analysis for diagnosing malignant lung nodules', 7th IEEE International Symposium on Biomedical Imaging: From Nano to Macro (ISBI 2010), Rotterdam, The Netherlands, 14 April - 17 April 2010.

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ELNAKIB, A; EL-BAZ, A; CASANOVA, M.F; GIMEL'FARB, G; SWITALA, A.E. 'Image-based detection of corpus callosum variability for more accurate discrimination between autistic and normal brains', 2010 IEEE International Conference on Image Processing, Hong Kong, China, 26 September - 29 September 2010.


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GASTELUM, A; DELMAS, P; LEFRANCOI, M; DUWIG, C; MARQUEZ, J; PRADO, B; GIMEL'FARB, G. 'Visualising 3D porous media fluid using X-ray CT data and smooth particles hydrodynamics'. *25th International Conference on Image and Vision Computing New Zealand, Queenstown, New Zealand*, 8 November - 9 November 2010.


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KHALIFA, F; BEACHE, G; EL-BAZ, A; GIMEL'FARB, G. 'Deformable model guided by stochastic speed with application in cine images segmentation', *2010 IEEE International Conference on Image Processing, Hong Kong, China*, 26 September - 29 September 2010.

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KLETTE, R; MORALES, S. 'Ground Truth Evaluation of Stereo Algorithms for Real World Applications', ACCV workshop, Queenstown, 8 November - 12 November 2010.


KLETTE, R; SCHAUWEECKER, K. 'A Comparative Study of Two Vertical Road Modelling Techniques', ACCV workshop, Queenstown, 8 November - 12 November 2010.

KLETTE, R; VALENTE, C. 'Simulating Artworks Through Filter Blending', ACCV workshop, Queenstown, 8 November - 12 November 2010.

KLETTE, R; WANG, B; MANOHARAN, S. 'Web-based visualization of media data for driver assistance', MMEDIA conference, Athen, 13 June - 19 June 2010.

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OHZEKI, K; WEI, Y.Y; SPEIDEL, U.M. 'Basic consideration for lossless re-encoding of MPEG coded files using V-V codes', IADIS INTERNATIONAL CONFERENCE ON COMPUTER GRAPHICS, VISUALIZATION, COMPUTER VISION AND IMAGE PROCESSING 2010, Freiburg, Germany, 27 July - 29 July 2010.

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WEBER, G. 'A Reduction of Grid-Bag Layout to Auckland Layout', Software Engineering Conference (ASWEC), 2010 21st Australian, 10.1109/ASWEC.2010.38.

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Journal - Research Article


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**Patent**

**Report - Commissioned**

**Report - Technical**

AMOR, R.W; OWEN, R; DAVE, B. ‘IDDS Priority Theme Workshop Notes’, 2010.


CARPENTER, B.E; TEMPERO, E; BARKER, R. ‘Deviations from Power Law in Citation Distributions’, 2010,


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SINGH, J; LUTTEROTH, C; WÜNSCHE, B. 'A Taxonomy of Usability Requirements for Home Telehealth Systems', 2010.

SUNWOO, J; YUEN, W; LUTTEROTH, C; WÜNSCHE, B. 'Mobile Games for Elderly Healthcare', 2010.

Software - Software

ATALAG, K; YANG, H.Y. 'openEhrV1 Library Extension', openEHR, 2010.

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Other - Interview (Radio/TV/Other)
CARPENTER, B.E. 'Love it or loath it --- the Internet affects us all', Stratos Television, 29 November 2010, 2010.


Other - Review

Other - Oral Presentation


HOBBES, J; BRAGANZA, D; DOBBIE, G.C. 'Record, Mix, Play, Share: A Web-based Music Creation Environment', 2010.

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LI, K; HOSKING, J; GRUNDY, J; LY, T; WEBB, B. 'Augmenting DSVL Meta-Tools with Pattern Specification, Instantiation and Reuse', Madrid, Spain, 21 September 2010.

WILSON, M.C. 'Higher order asymptotics from multivariate generating functions', Department of Computer Science, University Libre de Bruxelles, 10 September 2010.

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Other - Other
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Internet Publication


Scholarly Edition - Authored

Poster


Thesis - PhD
LI, W. 'Rates of Molecular Evolution and Phylogenomic Inference', 2010.

Summary

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Note: A research publication may only be claimed once, e.g. if a refereed conference paper is published in a volume of proceedings, and subsequently published in a journal, only one publication may be counted. Researchers are also advised to read Choosing a Reputable Publisher, particularly in relation to book and book chapter publications. Traditional Research Output Types. Books - Authored research. Other Other original creative works that do not fit the other research output types. Type 2: Live Performance Works. For live performance research outputs, the research output is the actual public performance. Examples include performance of a new work or innovative interpretation or production of an existing work of music, dance, or theatre. how best to represent research publication output. This paper presents a proposal involving classification and annotation for statistical review of research output and improved quality of grey literature respectively. 1 Introduction. Publication of research results has been a mainstay of the development of human technological culture for 5000 years. Early Hittite clay tablets representing inventions reference previous related work by the author(s) or others and may also reference more detailed material such as datasets, computer programs, laboratory notebooks, museum collection artifacts and grey literature. preservation of the research output, and provision of easy access to it, will ensure researchers do not waste effort rediscovering knowledge already available. In fact. 1 Introduction. Publication of research results has been a mainstay of the development of human technological culture for 5000 years. Early Hittite clay tablets representing inventions reference previous related work by the author(s) or others and may also reference more detailed material such as datasets, computer programs, laboratory notebooks, museum collection artifacts and grey literature. preservation of the research output, and provision of easy access to it, will ensure researchers do not waste effort rediscovering knowledge already available. In fact. For more information on Open Research Online’s data policy on reuse of materials please consult the policies page. This article examines the role and status of craft labour in the creative industries. While it tends to be overlooked, craft labour is an integral part of what is ostensibly an artist-led and ‘creative’ work process. The article highlights the necessity of craft in the creative industry ‘workshop’, and the relative autonomy enjoyed by its practitioners. For more information on Open Research Online’s data policy on reuse of materials please consult the policies page. This article examines the role and status of craft labour in the creative industries. While it tends to be overlooked, craft labour is an integral part of what is ostensibly an artist-led and ‘creative’ work process. The article highlights the necessity of craft in the creative industry ‘workshop’, and the relative autonomy enjoyed by its practitioners. Research Outputs (researchoutputs.auckland.ac.nz/default.html) is the system the University uses to record its staff research outputs and activities. The category descriptions below are in order to assist staff members to decide which system categories to use when recording their outputs and activities. Meeting the criteria for one of the system’s categories below is neither necessary nor sufficient for an output or activity to be considered research. In order to be considered research, an output or activity must meet the definition of research (see definitions). If an output or activity (Research is “creative and systematic work undertaken to increase the stock of knowledge”. It involves the collection, organization, and analysis of information to improve understanding of a topic or issue. A research project may be an expansion on past work in the field. To test the validity of instruments, procedures, or experiments, research may replicate elements of prior projects or the project as a whole.