

Conference Schedule

Monday 16 January 2006

[Plenary Hall]	[Tasman A]	[Tasman B]	[Tasman C]	[Wellington 1]	[Wellington 2]	[Boardwalk Gallery]
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8:00am- Registration
9:30am

9:30am - 10:00am **Coffee and Tea available - served in Exhibition Foyer**

10:00am	<p>Opening</p> <p>Professor Daryl Le Grew Vice-Chancellor & President University of Tasmania</p>					
10:30am - 12:00pm	<p>ACSC 1 Keynote</p> <p><i>Biomedical Computing and Visualization</i> Chris R. Johnson, David M. Weinstein</p>					

12:00pm - 1:30pm **Lunch - served in Exhibition Foyer**

1:30pm - 3:00pm	<p>APCCM 1 Keynote</p> <p><i>Conceptual Requirements Modeling - a Contribution to XNP (eXtreme Non-Programming)</i> Heinrich Mayr</p>	<p>ACSC 2 - Software Engineering and Formal Methods</p> <p><i>Logic and Refinement for Charts</i> Greg Reeve, Steve Reeves</p> <p><i>Supporting Software Reuse by the Individual Programmer</i> Min-Sheng (Peter) Hsieh, Ewan Tempero</p> <p><i>Identifying Refactoring Opportunities by Identifying Dependency Cycles</i> Hayden Melton, Ewan Tempero</p>	<p>ACE 1</p> <p><i>Up Close and Pedagogical: Computing Academics Talk About Teaching</i> C. Kutay, R. Lister</p> <p><i>Supporting Casual Tutors and Demonstrators: A Case Study in Computer Science and Software Engineering</i> M. Kirley</p> <p><i>Qualitative Research Projects in Computing Education Research: An Overview</i> A. Berglund, M. Daniels, A. Pears</p>	<p>AUIC 1 - Augmented Reality</p> <p><i>Evaluation of User Satisfaction and Learnability for Outdoor Augmented Reality Gaming</i> Benjamin Avery, Wayne Piekarski, James Warren, Bruce H. Thomas</p> <p><i>A Markerless Registration Method for Augmented Reality based on Affine Properties</i> Yan Pang, Miaolong Yuan, Andrew Yeh Ching Nee, Soh Khim Ong, Kamal Youcef-Toumi</p> <p><i>Augmented Interiors with Digital Camera Images</i> Sanni Siltanen, Charles Woodward</p>	<p>ADC 1a - Invited Talk</p> <p><i>Suffix Arrays: What Are They Good For?</i> Simon J. Puglisi, William F. Smyth, Andrew Turpin</p> <p>ADC 1b - Advanced Foundations of Databases</p> <p><i>Horn Clauses and Functional Dependencies in Complex-value Databases</i> Sven Hartmann, Sebastian Link</p>	<p>AusGRID 1</p> <p><i>Improving the Flexibility of Active Grids through Web Services</i> Laurent Lefevre, Paul Roe</p> <p><i>Towards Dynamic Data Grid Framework for eResearch</i> A.B.M. Russel, Asad I. Khan</p> <p><i>Toward Building Grid Applications in Bioinformatics</i> Xijun Gong, Kensuke Nakamura, Kei Yura, Nobuhiro Go</p>	<p>Head of Department Meeting 12pm-5pm</p>
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3:00pm - 3:30pm **Afternoon Tea - served in Exhibition Foyer**

3:30pm - 5:00pm	<p>ACSC 3 - Image and Speech Processing</p> <p><i>Unsupervised Band Removal Leading to Improved Classification Accuracy of Hyperspectral Images</i> R. Ian Faulconbridge, Mark R. Pickering, Mike J. Ryan</p> <p><i>On Compensating the Mel-Frequency Cepstral Coefficients for Noisy Speech Recognition</i> Eric H. C. Choi</p>	<p>ACE 2</p> <p><i>A Learning System Engineering Approach to Developing Courses</i> M. Bower</p> <p><i>Information Technology Online: A Knowledge Framework for Curriculum Externalisation</i> A. Finegan, J. Tutty, B. White</p> <p><i>The Next Wave of Gender Projects in IT Curriculum and Teaching at Universities</i> S. Lewis, J. McKay, K. Lang</p>	<p>AUIC 2 - Documents and Layout</p> <p><i>A Pen-based Paperless Environment for Annotating and Marking Student Assignments</i> Beryl Plimmer, Paul Mason</p> <p><i>Extended Radar View and Modification Director: Awareness Mechanisms for Synchronous Collaborative Authoring</i> Minh Hong Tran, Yun Yang, Gitesh K. Raikundalia</p> <p><i>User Interface Layout with Ordinal and Linear Constraints</i> Christof Lutteroth, Gerald Weber</p>	<p>ADC 2 - Data mining and Knowledge Discovery</p> <p><i>A Further Study in the Data Partitioning Approach for Frequent Itemsets Mining</i> Son N. Nguyen, Maria E. Orlowska</p> <p><i>A Two-Phase Rule Generation and Optimization Approach for Wrapper Generation</i> Yanan Hao, Yanchun Zhang</p> <p><i>A Reconstruction-based Algorithm for Classification Rules Hiding</i> Juggapong Natwichai, Xue Li, Maria E. Orlowska</p>	<p>APCCM 2 - Invited Talk</p> <p><i>ServiceMosaic Project: Modeling, Analysis and Management of Web Services Interactions</i> Boualem Benatallah</p>	
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5:30pm - 7:30pm **Welcome Reception**

7:30pm - 10:00pm **Heads of School Dinner (Invitation-only event)**

Conference Schedule

Morning of Tuesday 17 January 2006

	[Plenary Hall]	[Tasman A]	[Tasman B]	[Tasman C]	[Wellington 1]	[Wellington 2]	[Boardwalk Gallery]
8:30am - 10:00am		ACSC 4 - Fault Tolerance and Security <i>Segregated Failures Model for Availability Evaluation of Fault-Tolerant Systems</i> Sergiy A. Vilkomir, David L. Parnas, Veena B. Mendiratta, Eamonn Murphy <i>On Pedagogically Sound Examples in Public-Key Cryptography</i> Suan Khai Chong, Graham Farr, Laura Frost, Simon Hawley <i>Towards Security Labelling</i> Chuchang Liu, Mehmet Orgun	ACE 3 <i>The Incredible Rainbow Spitting Chicken: Teaching Traditional Programming Skills Through Games Programming</i> P. Haden <i>Walking the Grid: Robotics in CS 2</i> M. McNally <i>Chick Sexing and Novice Programmers: Explicit Instruction of Problem Solving Strategies</i> M. de Raadt, R. Watson, M. Toleman	AISW 1 - Denial of Service & Intrusion Detection <i>DDoS Attacks: Traceback Techniques</i> Udaya Kiran Tupakula <i>Modelling Denial of Service Attacks with Meadows's Cost-Based Framework</i> Jason Smith, Juan Manuel Gonzalez Nieto, Colin Boyd <i>Synapse: Auto-correlation and Dynamic Attack Redirection in an Immunologically-Inspired IDS</i> David Duncombe, George Mohay, Andrew Clark	ADC 3 - XML and Databases <i>Dynamic Labeling Schemes for Ordered XML Based on Type Information</i> Damien K. Fisher, Franky Lam, William M. Shui, Raymond K.Wong <i>Establishing an XML Metadata Knowledge Base to Assist Integration of Structured and Semi-structured Databases</i> Fahad M. Al-Wasil, W. A. Gray, N. J. Fiddian <i>Peer-to-Peer Form Based Web Information Systems</i> Stijn Dekeyser, Jan Hidders, Richard Watson, Ron Addie	APCCM 3 - Process Modeling <i>On the Suitability of UML Activity Diagrams for Business Process Modelling</i> Nick Russell, Wil M.P. van der Aalst, Arthur H.M. ter Hofstede, Petia Wohed <i>Process Modelling: The Deontic Way</i> Vineet Padmanabhan, Guido Governatori, Shazia Sadiq, Robert Colomb, Antonino Rotolo <i>Supporting Virtual Organisation Alliances with Relative Workflows</i> Xiaohui Zhao, Chengfei Liu, Yun Yang	AusGRID 3 <i>Improving Resource Utilisation in Market Oriented Grid Management and Scheduling</i> Kris Bubendorfer <i>An Agent-based Peer-to-peer Grid Computing Architecture</i> Jia Tang, Minjie Zhang <i>Grid-JQA a New Architecture for QoS-guaranteed Grid Computing System</i> Lili Mohammad Khanli, Morteza Analoui
10:00am - 10:30am Morning Tea - served in Exhibition Foyer							
10:30am - 12:00pm	AISW 2 Keynote <i>A Secure Internet with Hacked Routers in an Untrusted Network</i> Yvo Desmedt	ACSC 5 - Algorithms <i>Improvements of TLAESA Nearest Neighbour Search Algorithm and Extension to Approximation Search</i> Ken Tokoro, Kazuaki Yamaguchi, Sumio Masuda <i>Trust Network Analysis with Subjective Logic</i> Audun Josang, Ross Hayward, Simon Pope	ACE 4 <i>Tablet Classroom Interactions</i> J. Tutty, B. White <i>Mobile Computing, Visual Diaries, Learning and Communication: Changes to the Communicative Ecology of Design Students Through Mobile Computing</i> M. Berry, M. Hamilton	CATS 1 <i>Geometric Spanners with Few edges and Degree Five</i> Michiel Smid <i>Graph Orientation Algorithms to Minimize the Maximum Outdegree</i> Yuichi Asahiro, Eiji Miyano, Hiroataka Ono, Kouhei Zenmyo	ADC 4 - Information Retrieval <i>Dimensionality Reduction in Patch-Signature Based Protein Structure Matching</i> Zi Huang, Xiaofang Zhou, Dawei Song, Peter Bruza <i>Recency-Based Collaborative Filtering</i> Yi Ding, Xue Li, Maria E. Orłowska	APCCM 4 - Engineering and Cognition <i>Component-Driven Engineering of Database Applications</i> Klaus-Dieter Schewe, Bernhard Thalheim <i>Modelling Human Perception to Leverage the Reuse of Concepts across the Multi-sensory Design Space</i> Keith Nesbitt	AusGRID 4 <i>Building Computational Grids Using Apple's Xgrid Middleware</i> Baden Hughes <i>A Template Based Static Coalition Protocol - A3PviGrid</i> Avinash Shankar, Frank Dehne
11:30am - 12:00pm	AISW 3 - Computer Forensics <i>Event Sequence Mining to Develop Profiles for Computer Forensic Investigation Purposes</i> Tamas Abraham	A Semantic Approach to Boost Passage Retrieval Effectiveness for Question Answering Bahadoreza Ofoghi, John Yearwood, Ranadhir Ghosh	An Online Tool for Learning Collaboration and Learning While Collaborating R. Kildare, R.N. Williams, J. Hartnett	Multilayer Grid Embeddings of Iterated Line Digraphs Toru Hasunuma	Document Generality: its Computation for Ranking Xin Yan, Xue Li, Dawei Song	Visualization of Music Impression in Facial Expression to Represent Emotion Takafumi Nakanishi, Takashi Kitagawa	Simulating a Computational Grid with Networked Animat Agents Ken Hawick, Heath James
12:00pm - 1:30pm Lunch - served in Exhibition Foyer							Conference Chair Meeting 12noon - 1:30pm

Conference Schedule

Afternoon of Tuesday 17 January 2006

	[Plenary Hall]	[Tasman A]	[Tasman B]	[Tasman C]	[Wellington 1]	[Wellington 2]	[Boardwalk Gallery]
1:00pm					AISW 4 - Cryptographic Applications to Network Security		
1:30pm	<p>ACE 5 Keynote</p> <p><i>Using Blended Learning to Enhance Teaching and Learning</i> J. Luca</p>	<p>ACSC 6 - Artificial Intelligence</p> <p><i>A Programming Paradigm for Machine Learning, with a Case Study of Bayesian Networks</i> Lloyd Allison</p> <p><i>Rule Set Based Bilevel Decision Model</i> Z. Zheng, G. Zhang, Q. He, J. Lu, Z. Shi</p> <p><i>CASO: A Framework for Dealing with Objectives in a Constraint-based Extension to AgentSpeak(L)</i> Aniruddha Dasgupta, Aditya Ghose</p>	<p>CATS 2</p> <p><i>Compositional Type Systems for Stack-based Low-level Languages</i> Ando Saabas, Tarmo Uustalu</p> <p><i>Mechanically Verifying Correctness of CPS Compilation</i> Ye Henry Tian</p> <p><i>Formalising the L4 microkernel API</i> Rafal Kolanski, Gerwin Klein</p>	<p>AUIC 3 - Evaluations and Studies</p> <p><i>From Pushing Buttons to Play and Progress: Value and Interaction in Fable</i> Pippin Barr, James Noble, Robert Biddle, Rilla Khaled</p> <p><i>Usability Evaluation of Library Online Catalogues</i> Hayley White, Tim Wright, Brenda Chawner</p> <p><i>Persuasive Interaction for Collectivist Cultures</i> Rilla Khaled, Robert Biddle, James Noble, Pippin Barr, Ronald Fischer</p>	<p>Formal Analysis of Secure Contracting Protocol for E-Tendering Rong Du, Ernest Foo, Colin Boyd, Kim-Kwang Raymond Choo</p> <p><i>A Method for Access Authorisation Through Delegation Networks</i> Audun Josang, Dieter Gollmann, Richard Au</p> <p><i>Description of Bad-Signatures for Network Intrusion Detection</i> Michael Hilker, Christoph Schommer</p> <p>SKMA -- A Key Management Architecture for SCADA Systems Robert Dawson, Colin Boyd, Ed Dawson, Juanma Gonzalez Nieto</p>	<p>APCCM 5 - Domain-specific Modeling</p> <p><i>Defining and Implementing Domains with Multiple Types using Mesodata Modelling Techniques</i> Sally Rice, John Roddick, Denise de Vries</p> <p><i>A Conceptual Solution for Representing Time in Data Warehouse Dimensions</i> Elzbieta Malinowski, Esteban Zimányi</p> <p><i>The Formal Semantics of the TimeER Model</i> Heidi Gregersen</p>	<p>AusGRID 5</p> <p><i>Redundant Parallel Data Transfer Schemes for the Grid Environment</i> R.S. Bhuvaneshwaran, Yoshiaki Katayama, Naohisa Takahashi</p> <p><i>A Simplified Approach to Web Service Development</i> Peter M. Kelly, Paul D. Coddington, Andrew L. Wendelborn</p> <p><i>Distributed Intrusion Detection in Clusters Based on Non-interference</i> Jacob Zimmermann, George Mohay</p>
3:00pm - 3:30pm Afternoon Tea - served in Exhibition Foyer							
3:30pm	<p>CATS 3 Keynote</p> <p><i>Computational Geometric and Combinatorial Approaches to Digital Halftoning</i> Tetsuo Asano</p>	<p>ACSC 7 - Communications and Networks</p> <p><i>Modelling Layer 2 and Layer 3 Device Bandwidths using B-Node Theory</i> S. Cikara, S. P. Maj, D. T. Shaw</p> <p><i>Throughput Fairness in k-ary n-cube Networks</i> Cruz Izu</p>	<p>ACE 6</p> <p>PANEL <i>Facilitating Global Computing Education Through Study Abroad and Collaborative Projects</i> C. Laxer, U. Fuller, A. Goid, A. Young</p>	<p>AUIC 4 - Graphical Interfaces</p> <p><i>Fluid Sketching of Directed Graphs</i> James Arvo, Kevin Novins</p> <p><i>Moving animation script creation from textual to visual representation</i> Erik Haugvaldstad, Tim Wright</p> <p><i>PatternProgrammer: Yet Another Rule-Based Programming Environment for Children</i> Tim Wright</p>	<p>AISW 5 - Secure Applications</p> <p><i>Catching Spam Before it Arrives: Domain Specific Dynamic Blacklists</i> Duncan Cook, Jacky Hartnett, Kevin Manderson, Joel Scanlan</p> <p><i>Logcrypt: Public Verification and Forward Security for Secure Audit Logs</i> Jason Holt</p>	<p>APCCM 6 - Invited Talks</p> <p><i>Postmodern Prospects for Conceptual Modelling</i> James Noble</p> <p><i>Network Data Mining: Methods and Techniques for Discovering Deep Linkage between Attributes</i> Simeon Simoff</p>	<p>AusGRID 6</p> <p><i>Key Research Issues in Grid Workflow Verification and Validation</i> Jinjun Chen, Yun Yang</p> <p><i>EGEE: Building a Pan-European Grid Training Organisation</i> Ruediger Berlich, Marcel Kunze, Marcus Hardt, Malcolm Atkinson, David Fergusson</p>
4:30pm		<p>A JMX Toolkit for Merging Network Management Systems Feng Lu, Kris Bubendorfer</p>		<p>A Case for Iconic Icons Jennifer Ferreira, James Noble, Robert Biddle</p>	<p>Formal Analysis of Card-based Payment Systems for Mobile devices Vijayakrishnan Pasupathinathan, Josef Pieprzyk, Huaxiong Wang, Joo Cho</p>		<p>CATS Business Meeting</p>
5:00pm					<p>Experiences in Passively Detecting Session Hijacking Attacks in IEEE 802.11 Networks Rupinder Gill, Andrew Clark</p>		

7:00pm - 11:00pm

Conference Dinner

Conference Schedule

Morning of Wednesday 18 January 2006

	[Plenary Hall]	[Tasman A]	[Tasman B]	[Tasman C]	[Wellington 1]	[Wellington 2]	[Boardwalk Gallery]
8:30am - 10:00am		<p>ACSC 8 - Databases</p> <p><i>A Framework for Visual Data Mining of Structures</i> Hans-Jörg Schulz, Thomas Nocke, Heidrun Schumann</p> <p><i>Shallow NLP Techniques for Internet Search</i> Alex Penev, Raymond Wong</p> <p><i>Approximative Filtering of XML Documents in Publish/Subscribe Systems</i> Annika Hinze, Yann Michel, Torsten Schlieder</p>	<p>ACE 7</p> <p><i>An Australasian Study of Reading and Comprehension Skills in Novice Programmers, using the Bloom and SOLO Taxonomies</i> J. Whalley, R. Lister, E.L. Thompson, T. Clear, P. Robbins, A. Kumar, C. Prasard</p> <p><i>Exploring Conceptions of Programming</i> E.L. Thompson, L. Hunt, Kinshuk</p> <p><i>Problem Distributions in a CS1 Course</i> A. Robins, P. Haden, S. Garner</p>	<p>AUIC 5 - Mobile Devices</p> <p><i>Generating Mobile Device User Interfaces for Diagram-based Modelling Tools</i> Dejin Zhao, John Grundy, John Hosking</p> <p><i>Middle-Aged Users' Experience of Short Message Service</i> Christine Soriano, Gitesh K. Raikundalia, Jakub Szajman</p> <p><i>Implementing a Natural User Interface for Camera Phones Using Visual Tags</i> Sanni Siltanen, Jouko Hyvacka</p>	<p>ADC 5 - Query Processing and Optimization</p> <p><i>Using Reflection for Querying XML Documents</i> Markus Kirchberg, Faizal Riaz-ud-Din, Klaus-Dieter Schewe, Alexei Tretiakov</p> <p><i>An Optimization for Query Answering on ALC Database</i> Pakornpong Pothipruk, Guido Governatori</p> <p><i>A Multi-step Strategy for Approximate Similarity Search in Image Databases</i> Paul W.H. Kwan, Junbin Gao</p>	<p>CATS 4</p> <p><i>Combinatorial Generation by Fusing Loopless Algorithms</i> Tadao Takaoka, Stephen Violich</p> <p><i>The Busy Beaver, the Placid Platypus and Other Crazy Creatures</i> James Harland</p> <p><i>A Polynomial Algorithm for Codes Based on Directed Graphs</i> Andrei Kelarev</p>	
10:00am - 10:30am	Morning Tea - served in Exhibition Foyer						
10:30am - 12:00pm	<p>AUIC 6 Keynote</p> <p><i>A Quest For The Ultimate Interface</i> Dr. Thomas A. Furness III</p>	<p>ACSC 9 - Distributed Systems</p> <p><i>Manufacturing Opaque Predicates in Distributed Systems for Code Obfuscation</i> Anirban Majumdar, Clark Thomborson</p> <p><i>Pruning Subscriptions in Distributed Publish/Subscribe Systems</i> Sven Bittner, Annika Hinze</p> <p><i>The Challenge of Creating Cooperating Mobile Services: Experiences and Lessons Learned</i> Annika Hinze, George Buchanan</p>	<p>ACE 8</p> <p><i>Predictors of success in a first programming course</i> Simon, S. Fincher, A. Robins, B. Baker, I. Box, Q. Cutts, M. de Raadt, P. Haden, J. Hamer, M. Hamilton, R. Lister, M. Petre, K. Sutton, D. Tolhurst, J. Tutty</p> <p><i>Do map-drawing styles of novice programmers predict success in programming? A multi-national, multi-institutional study</i> Tolhurst, Baker, Hamer, Box, Cutts, de Raadt, Fincher, Haden, Hamilton, Lister, Petre, Robbins, Simon, Sutton, Tutty</p> <p><i>The Ability to Articulate Strategy as a Predictor of Programming Skill</i> Simon, Q. Cutts, S. Fincher, P. Haden, A. Robins, K. Sutton, B. Baker, I. Box, M. de Raadt, J. Hamer, M. Hamilton, R. Lister, M. Petre, D. Tolhurst, J. Tutty</p>	<p>ACE 9</p> <p><i>TinkerNet: A Low-Cost and Ready-To-Deploy Networking Laboratory Platform</i> T. Winter, R. Ausanka-Crues, M. Kegel, E. Shimshock, D. Turner, M. Erlinger</p> <p><i>A Board Game for Teaching Internet Engineering</i> P. Komisarczuk, I. Welch</p>	<p>ADC 6 - Advanced Database Applications</p> <p><i>A New Approach to Intelligent Text Filtering Based on Novelty Detection</i> Randa Kassab, Jean-Charles Lamirel</p> <p><i>Using a Temporal Constraint Network for Business Process Execution¹</i> Ruopeng Lu, Shazia Sadiq, Vineet Padmanabhan, Guido Governatori</p> <p><i>Discovering Task-Oriented Usage Pattern for Web Recommendation</i> Guandong Xu, Yanchun Zhang, Xiaofang Zhou</p>	<p>CATS 5</p> <p><i>On the Complexity of the DNA Simplified Partial Digest Problem</i> Jacek Blazewicz, Marta Kasprzak</p> <p><i>On the Approximability of Maximum and Minimum Edge Clique Partition Problems</i> Anders Dessmark, Jesper Jansson, Andrzej Lingas, Eva-Marta Lundell, Mia Persson</p> <p><i>Faster Algorithms for Finding Missing Patterns</i> Shuai Cheng Li</p>	
12:00pm - 1:30pm	Lunch - served in Exhibition Foyer						

Conference Schedule

Afternoon of Wednesday 18 January 2006

	[Plenary Hall]	[Tasman A]	[Tasman B]	[Tasman C]	[Wellington 1]	[Wellington 2]	[Boardwalk Gallery]	
1:30pm - 3:00pm	<p>ADC 7 Keynote</p> <p><i>Approximate Data Mining in Very Large Relational Data</i> James C. Bezdek</p>	<p>ACSC 10 - Graphics</p> <p><i>Human Visual Perception of Region Warping Distortions</i> Yang-Wai Chow, Ronald Pose, Matthew Regan, James Phillips</p> <p><i>Rendering Multi-Perspective Images with Trilinear Projection</i> Scott Vallance, Paul Calder</p> <p><i>Extensible Detection and Indexing of Highlight Events in Broadcast Sports Video</i> Dian W. Tjondronegoro Yi-Ping Phoebe Chen, Binh Pham</p>	<p>ACE 10</p> <p><i>Parsonis Programming Puzzles: A Fun and Effective Learning Tool for First Programming Courses</i> D. Parsons, P. Haden</p> <p><i>Adopting XP Practices for Teaching Object Oriented Programming</i> K. Keefe, J. Sheard, M. Dick</p> <p><i>Why Complicate Things? Introducing Programming in High School Using Python</i> L. Grandell, M. Peltomäki, R.-J. Back, T. Salakoski</p>	<p>ACE 11</p> <p><i>Using a Subject Area Model as a Learning Improvement Model</i> D. Thompson</p> <p><i>The Benefit of Information Technology in Managing Outcomes Focused Curriculum Development Across Related Degree Programs</i> B. von Konsky, A. Loh, M.C. Robey, S.J. Gribble, J.P. Ivins, D.J. Cooper</p> <p><i>The Use of Multiple Choice Tests for Formative and Summative Assessment</i> T.S. Roberts</p>	<p>AUIC 7 - Ubiquitous Workspaces</p> <p><i>TIDL: Mixed Presence Groupware Support for Legacy and Custom Applications</i> Peter Hutterer, Benjamin S. Close, Bruce H. Thomas</p> <p><i>Virtual Planning Rooms (ViPR): A 3D Visualisation Environment for Hierarchical Information</i> Michael Broughton</p> <p><i>Evaluation of a Universal Interaction and Control Device for use within Multiple Heterogeneous Display Ubiquitous Environments</i> Hannah Slay, Bruce H. Thomas</p>	<p>CATS 6</p> <p><i>On the logical Implication of Multivalued Dependencies with Null Values</i> Sebastian Link</p> <p><i>Boolean Equation Solving as Graph Traversal</i> Brian Herlihy, Peter Schachte, Harald Sondergaard</p> <p><i>Learnability of Term Rewrite Systems from Positive Examples</i> M. R. K. Krishna Rao</p>		
3:00pm - 3:30pm Afternoon Tea - served in Exhibition Foyer								
3:30pm - 5:00pm		<p>ACSC 11 - Human Computer Interaction</p> <p><i>Using Formal Concept Analysis with an Incremental Knowledge Acquisition System for Web Document Management</i> Timothy J. Everts, Sung Sik Park, Byeong Ho Kang</p> <p><i>Interaction Design for a Mobile Context-Aware System using Discrete Event Modelling</i> Annika Hinze, Petra Malik, Robi Malik</p> <p><i>Constructing Real-Time Collaborative Software Engineering Tools Using CAISE, an Architecture for Supporting Tool Development</i> Carl Cook, Neville Churcher</p>	<p>ACE 12</p> <p>PANEL <i>A Comparison of Different Approaches to the Introductory Programming Course</i> M. Goldweber, J. Bergin, R. Lister, M. McNally</p>		<p>ADC 8 - Performance Issues in Databases</p> <p><i>Handling of Current Time in Native XML Databases</i> Bela Stantic, Guido Governatori, Abdul Sattar</p> <p><i>A Heuristic Approach to Cost-Efficient Fragmentation and Allocation of Complex Value Databases</i> Hui Ma, Klaus-Dieter Schewe, Qing Wang</p> <p><i>OCP- A Distributed Real Time Commit Protocol</i> Udai Shanker, Manoj Misra, Anil K. Sarje</p>	<p>CATS 7</p> <p><i>On-Demand Bounded Broadcast Scheduling with Tight Deadlines</i> Chung Keung Poon, Yinfeng Xu, Feifeng Zheng</p> <p><i>Greedy algorithms for on-line set-covering and related problems</i> Giorgio Ausiello, Aristotelis Giannakos, Vangelis Paschos</p>	<p>AUIC 8 - Demonstration Session</p>	

Conference Schedule

Thursday 19 January 2006

[Plenary Hall]	[Tasman A]	[Tasman B]	[Tasman C]		
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8:30am - 10:00am	ACSC 12 - Programming Languages	ACE 13	AUIC 9 - Visualisation Techniques
	<i>Plagiarism Detection across Programming Languages</i> Christian Arwin, S.M.M. Tahaghoghi	<i>Program Annotations: Feedback for Students Learning to Program</i> P. Bancroft, P. Roe	<i>A Framework for Interactive Web-Based Visualization</i> Nathan Holmberg, Burkhard Wunsche, Ewan Tempero
	<i>Programming with Heterogeneous Structures: Manipulating XML data Using bondi</i> F. Y. Huang, C. B. Jay, D. B. Skillicorn	<i>Automated Assessment in CS1</i> D. Traynor, S. Bergin, P. Gibson	<i>Visualising Phylogenetic Trees</i> Wan Nazmee Wan Zainon, Paul Calder
	<i>A Relational Account of Objects</i> Clara Murdaca, C. Barry Jay	<i>Similarity and Originality in Code: Plagiarism and Normal Variation in Student Assignments</i> S. Mann, Z. Frew	<i>Visualisations of Execution Traces (VE T): An Interactive Plugin-Based Visualisation Tool</i> Mike McGavin, Tim Wright, Stuart Marshall

10:00am - 10:30am Morning Tea - served in Exhibition Foyer

10:30am - 12:00pm	ACSC 13 - Security	ACE 14	AUIC 10 - Wearable Sensing
	<i>Tracing Information Flow Through Mode Changes</i> Colin Fidge, Tim McComb	PANEL <i>Multi-institutional Teaching Communities in Computer Education</i> R. Lister, S. Fincher, A. Pears, J. Sheard, J. Tenenberg, A. Young	<i>A Wearable Fatigue Monitoring System - Application of Human-Computer Interaction Evaluation</i> Soichiro Matsushita, Ayumi Shiba, Kan Nagashima
	<i>SPIKE: Engineering Malware Analysis Tools using Unobtrusive Binary-Instrumentation</i> Amit Vasudevan, Ramesh Yerraballi		<i>Garment-Based Body Sensing Using Foam Sensors</i> Lucy E. Dunne, Sarah Brady, Richard Tynan, Kim Lau, Barry Smyth, Dermot Diamond, Gregory O'Hare
	<i>A Framework for Role-based Group Delegation in Distributed Environment</i> Hua Wang, Jiuyong, Ron Addie, Stijn Dekeyser, Richard Watson		<i>An Interface Test-Bed for 'Kansei' Filters Using the Touch Designer Visual Programming Environment</i> Rodney Berry, Masahide Naemura, Yuichi Kobayashi, Masahiro Tada, Naomi Inoue, Yusuf Pisan, Ernest Edmonds
			<i>Line Drawing in Virtual Reality using a Game Pad</i> Henry Gardner, Duan Lifeng, Qing Wang, Guyin Zhou

12:00pm - 1:30pm Lunch - served in Exhibition Foyer