

Program - 23rd Australasian Joint Conference on Artificial Intelligence 2010, Adelaide, Australia

7 Dec	8 Dec	9 Dec	10 Dec
9:00 - 17:00 ELM in Room HH3.08 AOW in Room HH3.09	9:00 -10:20 Opening and Keynote 8 Dec Room: HH4.08	9:00 - 10:00 Keynote 9 Dec Room: HH4.08	9:00-10:00 Keynote 10 Dec Room: HH4.08
Coffee break	Coffee break	coffee break	coffee break
workshops ELM in Room HH3.08 AOW in Room HH3.09	10:50 - 12:30 Session 8-Dec-1 (4 papers) Room: HH3.08 Session 8-Dec-2 (4 papers) Room: HH3.09	10:30 - 12:35 Session 9-Dec-1 (5 papers) Room: HH3.08 Session 9-Dec-2 (5 papers) Room: HH3.09	10:30 - 12:35 Session 9-Dec-1 (5 papers) Room: HH3.08 Session 9-Dec-2 (5 papers) Room: HH3.09
Lunch	Lunch	Lunch	Lunch
workshops ELM in Room HH3.08 AOW in Room HH3.09	13:30 - 15:10 Session 8-Dec-3 (4 papers) Room: HH3.08 Session 8-Dec-4 (4 papers) Room: HH3.09	13:30 - 15:10 Session 9-Dec-3 (4 papers) Room: HH3.08 Session 9-Dec-4 (4 papers) Room: HH3.09	
	Coffee break	Coffee break	
	15:40 - 16:50 Best papers (2 papers) Room: HH3.08	15:40 - 16:55 Session 9-Dec-5 (3 papers) Room: HH3.08 Session 9-Dec-6 (3 papers) Room: HH3.09 Time TBA Conference dinner	

8 Dec

Keynote (Chair: Markus Stumptner) Room: HH4.08

Prof Gautam Biswas, Robust Model-based Diagnosis of Dynamic Systems

Session 8-Dec-1 (Chair: Ralf Reulke, Room: HH3.08) Knowledge representation and reasoning 1

Sebastian Haufe and Michael Thielscher, Pushing the Envelope: General Game Players Prove Theorems

Norihiro Kamide and Ken Kaneiwa, Resource-Sensitive Reasoning with Sequential Information

Tomas Nestorovic . Frame-Based Dialogue Management Automated Error Recovery Approach

Laurent Perrussel, Jerusa Marchi and Dongmo Zhang . Characterizing Relevant Belief Revision Operators

Session 8-Dec-2 (Chair Dan R. Corbett: Room: HH3.09) Data mining and knowledge discovery 1

David L Dowe and Nayyar Abbas Zaidi. Database Normalization as a by-product of Minimum Message Length inference

Edward Hung, Lei Xu and Chi-Cheong Szeto. A Heuristic on Effective and Efficient Clustering on Uncertain Objects

Musa Mammadov, John Yearwood and Lei Zhao. A New Supervised Term Ranking Method for Text Categorization

Swee Chuan Tan, Kai Ming Ting and Shyh Wei Teng. A Comparative Study of a Practical Stochastic Clustering Method with Traditional Methods

Session 8-Dec-3 (Chair: Michael Thielscher, Room: HH3.08) Knowledge representation and reasoning 2

Armin Hezart, Abhaya Nayak and Mehmet Orgun, Temporal Belief-change: kappa-functions Approach

Raghav Ramachandran, Abhaya Nayak and Mehmet Orgun . Belief Erasure using Partial Imaging

Carl Schultz, Robert Amor and Hans W. Guesgen. The Impact of Qualification on the Application of Qualitative Spatial and Temporal Reasoning Calculi

ZhiQiang Zhuang and Maurice Pagnucco . Two Methods of Constructing Horn Contractions

Session 8-Dec-4 (Chair: Tony Smith, Room: HH3.09) Machine learning 1

Zaw Zaw Htike, Simon Egerton and Ye Chow Kuang. Model-based Viewpoint Invariant Human Activity Recognition from Uncalibrated Monocular Video Se

Sang-Woon Kim and John Oommen . On Optimizing Locally Linear Nearest Neighbour Reconstructions Using Prototype Reduction Schemes

Gjorgji Madjarov, Dejan Gjorgjevikj and Tomche Delev. Efficient Two Stage Voting Architecture for Pairwise Multi-label Classification

Fernando Martínez Plumed, Vicent Estruch, Cesar Ferri, Jose Hernandez-Orallo and Maria Jose Ramirez-Quintana. Newton Trees

Session 8-Dec-5 (Chair: John Debenham, Room: HH3.08) Best papers

(The best paper) Daniel Schmidt and Enes Makalic. The behaviour of the Akaike Information Criterion when applied to non-nested sequences of models

(The best student paper) Dengji Zhao , Dongmo Zhang , MD Khan and Laurent Perrusel . Maximal Matching for Double Auction

9 Dec

Keynote (chair: Graham William) Room: HH4.08

Prof Ramamohanarao Kotagiri, Data Mining for Role Based Access Control

Session 9-Dec-1 (Chair: Junbin Gao, Room: HH3.08) Evolutionary Computation 1

Urvesh Bhowan, Mengjie Zhang and Mark Johnston . A Comparison of Classification Strategies in Genetic Programming with Unbalanced Data

Rohitash Chandra , Marcus Frean and Mengjie Zhang . An Encoding Scheme for Cooperative Coevolutionary Neural Networks

Raymond Chiong and Michael Kirley, Evolving Cooperation in the Spatial N-player Snowdrift

Rachel Hunt, Mark Johnston , Will Browne and Mengjie Zhang . Sampling Methods in Genetic Programming for Classification with Unbalanced Data

Ashkan Izadi, Vic Ciesielski and Marsha Berry. Evolutionary Non Photo-Realistic Animations With Triangular Brushstrokes

Session 9-Dec-2 (Chair: Abhaya Nayak, Room: HH3.09,) Intelligent Agent

John Debenham and Simeon Simoff . The Honourable Negotiator: When the relationship is what matters

Víctor Fernández-Bauset , Francisco Grimaldo , Miguel Lozano and Juan M. Orduña. Tuning Java to run interactive multiagent simulations over Jason

Hiroyuki Ishiwata, Nasimul Noman and Hitoshi Iba. Emergence of Cooperation in a Bio-Inspired Multi-Agent System

Minyi Li, Bao Vo and Ryszard Kowalczyk. An Efficient Approach for Ordering Outcomes and Making Social Choices with CP-Nets

Gavin Rens, Ivan Varzinczak, Thomas Meyer and Alexander Ferrein. A Logic for Reasoning about Actions and Explicit Observations

Session 9-Dec-3 (Chair: David Powers, Room: HH3.08) Natural language processing

Khaled Abdalgader and Andrew Skabar. Short-Text Similarity Measurement using Word Sense Disambiguation and Synonym Expansion

Filippo Galgani and Achim Hoffmann . LEXA: Towards Automatic Legal Citation Classification

Kazushi Ikeda, Tadashi Yanagihara, Gen Hattori, Kazunori Matsumoto and Yasuhiro Takishima. Hazardous Document Detection Based on Dependency Rel:

Andrew Skabar and Khaled Abdalgader. Improving Sentence Similarity Measurement by Incorporating Sentential Word Importance

Session 9-Dec-4 (Chair: Maurice Pagnucco, Room: HH3.09) Data mining and machine learning 2

Ke Zhang and Huidong Jin. An Effective Pattern Based Outlier Detection Approach for Mixed Attribute Data

Qinghua Zheng, Xin Wang, Wanyu Deng, Jun Liu, and Xiyuan Wu. Incremental Projection Vector Machine: A One-Stage Learning Algorithm for High-Dimer

Bahadorreza Ofoghi and John Yearwood. Learning parse-free event-based features for textual entailment recognition

Nayyar Abbas Zaidi and David McG Squire . A Gradient-based Metric Learning Algorithm for k-NN Classifiers

Session 9-Dec-5 (Chair: Dongmo Zhang, Room: HH3.08) Search and planning

Ramon Lawrence and Vadim Bulitko . Taking Learning out of Real-time Heuristic Search for Video-game Pathfinding

Jussi Rintanen . Heuristic Planning with SAT: Beyond Strict Depth-First Search

Hemant Singh, Tapabrata Ray and Warren Smith. Performance of Infeasibility Empowered Memetic Algorithm (IEMA) on Engineering Design problems

Session 9-Dec-6 (Chair: Huidong Jin, Room: HH3.09) Statistical learning

Lennon V. Cook and Junbin Gao . Dimensionality reduction for classification through visualisation using L1SNE

Enes Makalic and Daniel Francis Schmidt. Review of modern logistic regression methods with application to small and medium sample size problems

Tony Smith and Chris van de Molen. Unbounded Knowledge Acquisition Based Upon Mutual Information in Dependent Questions

10 Dec

Keynote (chair: Chengqi Zhang) Room: HH4.08

Prof Qiang Yang, Transfer Learning for Activity Recognition through Sensor Data

Session 10-Dec-1 (Chair: Lin Liu, Room: HH3.08) Evolutionary Computation 2 and Particle swarm optimization

Nasimul Noman and Hitoshi Iba. Cellular Differential Evolution Algorithm

Mohammad Omidvar and Xiaodong Li . A Comparative Study of CMA-ES on Large Scale Global Optimisation

Wenlong Fu, Mark Johnston and Mengjie Zhang . Hybrid Particle Swarm Optimisation Algorithms based on Differential Evolution and Local Search

Mahdi Setayesh, Mark Johnston and Mengjie Zhang . Edge and Corner Extraction using Particle Swarm Optimisation

Danial Yazdani, Adel NadjaranToosi and Mohammad Reza Meybodi. Fuzzy Adaptive Artificial Fish Swarm Algorithm

Session 10-Dec-2 (Chair: Jinhai Cai, Room: HH3.09) AI applications

Khalid Mansour, Ryszard Kowalczyk and Bao Vo. Real-Time Coordination of Concurrent Multiple Bilateral Negotiations Under Time Constraints

Xiongcai Cai , Michael Bain , Alfred Krzywicki, Wayne Wobcke , Yang Sok Kim, Paul Compton and Ashesh Mahidadia. Collaborative Filtering for People to P

Martin Luerssen, Trent Lewis and David Powers . Head X: Customizable Audiovisual Synthesis for a Multi-Purpose Virtual Head

Wolfgang Mayer, Xavier Pucel and Markus Stumptner . Diagnosing component interaction errors from abstract event traces

Adrian Schoenig and Maurice Pagnucco . Evaluating Sequential Single-Item Auctions for Dynamic Task Allocation

