The 11ᵗʰ Australasian Data Mining & Analytics Conference
Canberra, Australia

Day 1 – 13 November 2013

Session	AusDM
08:30 – 09:00	Registration
09:00 – 09:10	AusDM 2013 Opening
09:10 – 10:10	**Keynote 1** *Predictive Network Analytics for National Research Investment* Paul Wong, ANU
10:10 – 10:30	*Coffee Break*
10:30 – 12:00	**Paper Session 1 (Medical Analytics)** • Extraction of Essential Region in Gastric Area for Diagnosing Gastric Cancer Using Double Contrast X-ray Images *by Koji Abe, Hideaki Nakagawa, Masahide Minami and Haiyan Tian* • Features for Measuring the Congestive Extent of Internal Hemorrhoids in Endoscopic Images *by Koji Abe, Hidenori Takagi, Masahide Minami and Haiyan Tian* • Evaluating Surgical Performance in Real Time Using Data Mining *by Yun Zhou, Ioanna Ioannou, James Bailey, Stephen O'Leary and Gregor Kennedy*
12:00 – 13:30	*Lunch*
13:30 – 14:30	**Keynote 2** *Harnessing the Power of Data in Government through Analytics* Klaus Felsch, DIAC
14:30 – 15:00	**Paper Session 2 (Government & Analytics)** • sRADAR : A Complex Event Processing and Visual Analytics System for Maritime Intelligence *by Naveen Nandan, Baljeet Malhotra and Daniel Dahlmeier*
15:00 – 15:30	*Coffee Break*

15:30 – 17:30	**Paper Session 3 (Social Media)**	R Workshop by Graham Williams
		(CSIT computer lab room N115/N116, ground floor of building 108)
	- Analysing Twitter Data with Text Mining and Social Network Analysis *by Yanchang Zhao* - Cyberbullying Detection based on Text-Stream Classification *by Vinita Nahar, Xue Li, Chaoyi Pang and Yang Zhang* - Using Social Media Data for Comparing Brand Awareness, Levels of Consumer Engagement, Public Opinion and Sentiment for Big Four Australian Banks *by Inna Kolyshkina, Boris Levin and Grant Goldsworty* - Predicting usefulness of online reviews using stochastic gradient boosting and randomized trees *by Madhav Kumar and Shreyes Upadhyay*	
18:30 – 21:00	*Reception*	

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Day 2 – 14 November 2013

Session	AusDM
08:30 – 09:00	*Registration*
09:00 – 10:10	**ACML Invited Talk 1** *Title to be confirmed* Geoff Holmes (University of Waikato)
10:10 – 10:30	*Coffee Break*
10:30 – 12:00	**Paper Session 4 (Predictive Analytics)** • Predictive Modelling Using Random Forest and Its Hybrid Methods with Geostatistical Techniques in Marine Environmental Geosciences *by Jin Li* • A New Modification of Kohonen Neural Network for VQ and Clustering Problems *by Ehsan Mohebi and Adil M. Bagirov* • Sentiment Augmented Bayesian Network *by Sylvester Olubolu Orimaye*
12:00 – 14:00	*Lunch + Poster Session*
14:00 – 15:10	**ACML Invited Talk 2** *Title to be confirmed* Chih-Jen Lin (National Taiwan University)
15:10 – 15:30	*Coffee Break*
15:30 – 17:00	**Paper Session 5 (Text Mining)** • A Concept-based Retrieval Method for Entity-oriented Search *by Jun Hou and Richi Nayak* • Two Stage Similarity-aware Indexing for Large-scale Real-time Entity Resolution *by Shouheng Li, Huizhi Liang and Banda Ramadan* • To Learn or to Rule: Two Approaches for Extracting Geographical Information from Unstructured Text *by Philipp Katz and Alexander Schill*
18:30 – 21:00	*Conference Banquet*

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Day 3 – 15 November 2013

Session	AusDM
08:30 – 09:00	*Registration*
09:00 – 10:10	**ACML Invited Talk 3** *Machine Learning Science at Amazon* Ralf Herbrich (Amazon)
10:10 – 10:30	*Coffee Break*
10:30 – 12:30	**Paper Session 6 (Data Mining)** • Searching Frequent Pattern and Prefix Trees for Higher Order Rules *by Liang Ping, John Roddick and Denise de Vries* • Data Cleaning and Matching of Institutions in Bibliographic Databases *by Jeffrey Fisher, Qing Wang, Paul Wong and Peter Christen* • A Novel Framework Using Two Layers of Missing Value Imputation *by Md Geaur Rahman and Zahid Islam* • Towards a Feature Rich Model for Predicting Spam Emails containing Malicious Attachments and URLs *by Khoi-Nguyen Tran, Mamoun Alazab and Roderic Broadhurst*
12:30 – 14:00	*Lunch + Poster Session*
14:00 – 15:30	**Paper Session 7 (Others)** • A Novel Process of Group-oriented Question Reduction for Rule-based Recommendation Websites *by Lin Chen, Daniel Emerson and Richi Nayak* • An investigation on window size selection for human activity recognition *by Anthony Blond, Wei Liu and Rachel Cardell-Oliver* • A non-parametric approach to model dependent Bernoulli trials *by Richard Gao*
15:30 – 15:40	*Closing*