



<http://ausdm14.ausdm.org/>

12th Australasian Data Mining Conference (AusDM 2014)

Brisbane, Australia,
27–28 November 2014



Data Mining is the art and science of intelligent analysis of (usually big) data sets for meaningful (and previously unknown) insights. Data mining is actively applied across all industries including defence, medicine, science, finance, customer relationship management, government, insurance, telecommunications, retail and distribution, transportation, and utilities.

The Australasian Data Mining Conference has established itself as the premier Australasian meeting for both practitioners and researchers in data mining. Since AusDM'02 the conference has showcased research in data mining, providing a forum for presenting and discussing the latest research and developments. Since 2006, all proceedings have been printed as volumes in the CRPIT series.

This year's conference, AusDM'14 builds on this tradition of facilitating the cross-disciplinary exchange of ideas, experience and potential research directions. Specifically, the conference seeks to showcase: Industry Case Studies; Research Prototypes; Practical Analytics Technology; and Research Student Projects. AusDM'14 will be a meeting place for pushing forward the frontiers of data mining in industry and academia.

Publication and topics

We are calling for papers, both research and applications, and from both academia and industry, for presentation at the conference. All papers will go through double-blind, peer-review by a panel of international experts. Accepted papers will be published in an up-coming volume (Data Mining and Analytics 2014) of the Conferences in Research and Practice in Information Technology (CRPIT) series by the Australian Computer Society which is also held in full-text on the ACM Digital Library and will also be distributed at the conference. For more details on CRPIT please see <http://www.crpit.com>. Please note that we require that at least one author for each accepted paper will register for the conference and present their work.

AusDM invites contributions addressing current research in data mining and knowledge discovery as well as experiences, novel applications and future challenges. Topics of interest include, but are not restricted to:

- Applications and Case Studies — Lessons and Experiences
- Big Data Analytics
- Biomedical and Health Data Mining
- Business Analytics
- Computational Aspects of Data Mining
- Data Integration, Matching and Linkage
- Data Mining Education
- Data Mining in Security and Surveillance
- Data Preparation, Cleaning and Preprocessing
- Data Stream Mining
- Evaluation of Results and their Communication
- Implementations of Data Mining in Industry
- Integrating Domain Knowledge
- Link, Tree, Graph, Network and Process Mining
- Multimedia Data Mining
- New Data Mining Algorithms
- Professional Challenges in Data Mining

- Privacy-preserving Data Mining
- Spatial and Temporal Data Mining
- Text Mining
- Visual Analytics
- Web Mining and Personalization

Keynote speakers

As is tradition for AusDM we have lined up an excellent keynote speaker program. Each speaker is a well known research and/or practitioner in data mining and related disciplines. The keynote program provides an opportunity to hear from some of the world's leaders on what the technology offers and where it is heading. The confirmed speakers are:

- Prof Peter Bartlett, University of California, Berkeley, USA
- Prof Geoff McLachlan, University of Queensland, Brisbane, Australia

Submission of papers

We invite three types of submissions for AusDM 2014:

- **Research Track:** Normal academic submissions reporting on research progress, with a paper length of between 8 and 12 pages in CRPIT style, as detailed below. For academic submissions we will use a double-blinded review process, i.e. paper submissions must NOT include authors names or affiliations or acknowledgments referring to funding bodies. Self-citing references should also be removed from the submitted papers for the double blind reviewing purpose. These information can be added on after the review.
- **Application Track:** Submissions on specific data mining implementations and experiences in government and industry settings. Submissions in this category can be between 4 and 8 pages in CRPIT style, as detailed below. A committee made of mix of academic and industry representatives will review these submissions.
- **Industry Showcase:** Submissions in this track are presentation only. In this track, government and industry participants can present the case studies and their experiences without getting worried about publication. We call for an extended abstract up to two pages to assess these submissions. A special committee made of industry representatives will review these submissions.

Paper submissions are required to follow the general format specified for papers in the CRPIT series by the Australian Computer Society. Submission details are available from <http://crpit.com/AuthorsSubmitting.html>. LaTeX styles and Word templates may be found on this site. LaTeX is the recommended typesetting package.

The electronic submissions must be in PDF only, and made through the AusDM'14 Submission Page, which will be available at <https://www.easychair.org/conferences/?conf=ausdm2014>

Important Dates

Submission of abstracts:	Monday 28 July 2014
Submission of full papers:	Monday 4 August 2014 (midnight PST)
Notification of authors:	22 September 2014
Final version and author registration:	14 October 2014
Conference	27–28 November 2014

Organising Committee

Program Chairs (Academic)	Xue Li, University of Queensland, Brisbane, Australia Kok-Leong Ong, Deakin University, Melbourne Lin Liu, University of South Australia, Adelaide
Program Chair (Industry)	Yanchang Zhao, Department of Immigration & Border Protection, Australia; and RDataMining.com
Conference Chairs	Richi Nayak, Queensland University of Technology, Brisbane, Australia Paul Kennedy, University of Technology, Sydney
Sponsorship Chair	Andrew Stranieri, University of Ballarat, Ballarat
Local Chair	Yue Xu, Brisbane, Australia
Steering Committee Chairs	Simeon Simoff, University of Western Sydney Graham Williams, Australian Taxation Office
Other Steering Committee Members	Peter Christen, The Australian National University, Canberra Paul Kennedy, University of Technology, Sydney Jiuyong Li, University of South Australia, Adelaide Kok-Leong Ong, Deakin University, Melbourne

John Roddick, Flinders University, Adelaide
Andrew Stranieri, University of Ballarat, Ballarat
Geoff Webb, Monash University, Melbourne

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