

ADCS 2011: The Sixteenth Australasian Document Computing Symposium

Sponsors



Welcome

The Sixteenth Australasian Document Computing Symposium (ADCS 2011) was held in Canberra on Friday 2 December, 2011.

ADCS 2011 was co-located with the [Australasian Language Technology Workshop 2011](#).

Aim of the symposium

ADCS 2011 is an opportunity for researchers and practitioners in document management and information retrieval to meet and present their work. The symposium aims to cover all aspects of Document Computing - issues ranging from the fundamentals of document architectures and standards for markup, through storage, management, retrieval, authentication and workflow, to active and virtual documents. The symposium emphasises both commercial and academic issues by encouraging a variety of submissions.

Topics of interest

The symposium topics include (but are not restricted to) the following:

- Cognitive Aspects of Documents
- Digital Libraries
- Document Databases
- Document Management
- Document Standards (XML, SGML etc)
- Document Workflow
- Information Retrieval
- Multimedia Document Management

- Multimedia Resource Discovery
- Natural Language Techniques and Documents
- Personalised Documents
- User Studies Involving Documents
- Web Documents

Submissions

Submissions should comply with the [paper guidelines](#). All submissions must be original work, not previously published elsewhere, and not currently submitted to any other conference or journal.

Submission of a paper should be regarded as an undertaking that, should the paper be accepted, at least one of the authors will attend the symposium to present the work.

Note also that it is insufficient for an author to register and pay for the symposium to be regarded as fulfilling this obligation.

Full papers

Full papers should describe new contributions or analyse research issues. Submissions should be at most eight pages long (around 3000 words); over-length submissions risk immediate rejection. Refer to the [guidelines for papers](#) for details of the required format.

Posters, short papers and industry status reports

To encourage participation by industry and to provide a place for work of a more speculative nature, ADCS invites submissions for short papers, up to a maximum of four pages (around 1500 words). A typical proposal might describe a leading-edge solution to a practical problem in document management. Short papers follow the same format as for full papers.

Presentation of short papers will be via a poster session. Accepted short papers will also be included in a separate section of the symposium proceedings.

Proceedings

Electronic copies of the papers will be made available after the symposium. All submissions will be fully refereed by a blind refereeing process, at their full published length, and will comply with DEST criteria for fully-refereed conference papers (category F1).

Programme

ADCS 2011 will take place on Friday 2 December in Canberra.

Conference Schedule

9:10 Session 1: ADCS/ALTA Joint Session (*Chair: David Martinez*)

1. Li Wang, Diana McCarthy and Timothy Baldwin. *Predicting Thread Linking Structure by Lexical Chaining*
2. Diego Molla and Maria Elena Santiago-Martinez. *Development of a Corpus for Evidence Based Medicine Summarisation*
3. Mike Symonds, Peter Bruza, Laurianne Sitbon and Ian Turner. *Tensor Query Expansion: A cognitively motivated relevance model*
4. Yan Shen, Yuefeng Li, Yue Xu, Renato Iannella, Abdulmohsen Algarni and Xiaohui Tao. *An Ontology-based Mining Approach for User Search Intent Discovery*

10:40 Morning Tea

11:10 Session 2 (*Chair: Sally Jo Cunningham*)

1. David Alexander, Andrew Trotman and Alistair Knott. *Click Log Based Evaluation of Link Discovery*
2. Xiang-Fei Jia, Andrew Trotman and Jason Holdsworth. *Fast Search Engine Vocabulary Lookup*
3. (*) Amir Hadad, Alexander Krumpholz, Nina Studeny, Tom Gedeon and David Hawking. *Automatic identification of the most important elements in an XML collection*

12:00 Industry Keynote: Simon Kravis, Fujitsu Australia (*Chair: Paul Thomas*)

- *Information Retrieval in Large Organisations.*
Information retrieval within large organisations is usually from repositories with little or no hyperlinking of documents. Tools which are successful for public-facing web sites are frequently unsuccessful inside organisations through poor ranking of search results, high levels of duplication and near-duplication and the frequent occurrence of documents which are not completely described by the text which they contain. Metadata-based retrieval is limited by poor coverage from manually assigned metadata and the limited availability of automated metadata assignment.

12:45 Lunch

14:00 Session 3 (*Chair: Falk Scholer*)

1. Shane Culpepper, Michiko Yasukawa and Falk Scholer. *Language Independent Ranked Retrieval with NeWT*
2. David Bainbridge and Sally Jo Cunningham. *A Workflow for Document Level Interoperability*
3. Iman Amini, Alexandra Uidtenbogerd and Mark Sanderson. *The Interplay of Information Retrieval and Query by Singing With Words*

4. (*) Timothy Jones, Paul Thomas, David Hawking and Ramesh Sankaranarayana. *The usefulness of web spam*
5. (*) Su Nam Kim, Timothy Baldwin and Lawrence Cavedon. *Harvesting Domain-Specific Terms using Wikipedia*

15:20 Afternoon Tea

15:50 Session 4 (Chair: Andrew Turpin)

1. Nicholas Sherlock and Andrew Trotman. *Efficient sorting of search results by string attributes*
2. Laurence Park. *Examining document model residuals to provide feedback during Information Retrieval evaluation*
3. Guido Zuccon, Anthony Nguyen, Teerapong Leelanupab and Leif Azzopardi. *Indexing without Spam*
4. (*) Darren Wei-Che Huang, Shlomo Geva, Andrew Trotman and Kelly Y. Itakura. *Mobile Applications of Focused Link Discovery*
5. (*) Kelly Itakura and Shlomo Geva. *Six Degrees of Cohesion in Patent Citation Network*

17:20 ADCS Business Meeting

(Note: Full paper presentations are 20 minutes, short paper presentations are 10 minutes. (*) indicates a short paper.)

Organising Committee

Conference chair

[Paul Thomas](#) CSIRO / ANU

Programme co-chairs

[Sally Jo Cunningham](#) University of Waikato

[Falk Scholer](#) RMIT University

Programme committee

Peter Bruza	Queensland University of Technology
J. Shane Culpepper	RMIT University
David Eysers	University of Otago
Shlomo Geva	Queensland University of Technology
Yun Sing Koh	Auckland University of Technology
Irena Koprinska	University of Sydney
Alexander Krumpholz	CSIRO/ANU
Alistair Moffat	University of Melbourne

Laurence Park	University of Western Sydney
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Gitesh Raikundalia	Victoria University
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Scott Sanner	NICTA
James A. Thom	RMIT University
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