

ADCS 2017

PROCEEDINGS OF THE 22ND AUSTRALASIAN DOCUMENT COMPUTING SYMPOSIUM

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Preface

These proceedings contain the papers presented at ADCS 2017, the Twenty Second Australasian Document Computing Symposium, hosted by Queensland University of Technology and held in Brisbane, QLD, Australia.

Of the 16 papers submitted XX were accepted as full papers and XX were accepted as short papers (56% acceptance rate). The full written version of each submission received at least three anonymous reviews by independent, qualified international experts in the area. The review process followed a fully double-blind procedure. Dual submissions were explicitly prohibited. The accepted contributions cover a diverse range of topics in document computing including efficiency, user models and evaluation, summarisation, and information retrieval models.

The symposium includes formal presentations which allow for questions and discussions, but also opportunities to share ideas during interactive sessions and informal gatherings. This benefit is certainly the greatest for document computing practitioners. Following the success of this format in ADCS 2016, we also accepted abstracts (unrefereed) for informal poster presentations. This addition was suggested by ADCS steering committee to increase the chance for researchers, specifically PhD students, to present their early work for feedback in the poster session. The abstracts are only published on the symposium website. Once again we have collocated with the Australasian Language Technology Workshop (ALTA), sharing all keynote talks (two from ADCS and two from ALTA), a poster session, and social events.

We would like to thank the members of the program committee for their commitment to quality reviews. We would also like to thank ACM SIGIR, CSIRO Data61, Redbubble and QUT for their generous support of the event. We would also like to thank our keynote speakers, Dan Russell and Victor Kovalev, for sharing their views of new research trends in Information Retrieval and Data Science. Finally, we thank all attendees of ADCS 2017 who made the trip to Brisbane.

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List of Accepted Papers

1. Andrew Trotman and Jimmy Lin. In Vacuo and In Situ Evaluation of SIMD Codecs
2. Benoit Potvin, Roger Villemaire and Ngoc-Tan Le. A Position-Based Method for the Extraction of Financial Information in PDF Documents
3. Shane Culpepper, Charles Clarke and Jimmy Lin. Dynamic Cutoff Prediction in Multi-Stage Retrieval Systems
4. Jimmy Jimmy, Guido Zuccon and Bevan Koopman. Boosting Titles does not Improve Retrieval Effectiveness
5. Wern Han Lim, Mark Carman and Sze-Meng Wong. Estimating Domain-Specific User Expertise for Answer Retrieval in Community Question-Answering Platforms
6. Tadele Damessie, Falk Scholer and Shane Culpepper. The Influence of Topic Difficulty, Relevance Level, and Document Ordering on Relevance Judging
7. Dinesha Chathurani Nanayakkara Wasam Uluwitige, Shlomo Geva, Guido Zuccon, Vinod Chandran and Timothy Chappell. Effective User Relevance Feedback for Image Retrieval with Image Signatures
8. Sunghwan Mac Kim, Stephen Wan and Cecile Paris. Occupational Representativeness in Twitter
9. Alistair Moffat. Judgment Pool Effects Caused by Query Variations
10. Vincent Au, Paul Thomas and Gaya K. Jayasinghe. Query-Biased Summaries for Tabular Data
11. Laurence Park. Uncertainty in Rank-Biased Precision
12. Sheng Wang, Zhifeng Bao, Shane Culpepper, Timos Sellis, Mark Sanderson and Munkh-Erdene Yadamjav. Interactive Trip Planning Using Activity Trajectories
13. Gaya K. Jayasinghe, Sarvnaz Karimi and Melanie Ayre. Evaluation of Retrieval Algorithms for Expertise Search
14. Evi Yulianti, Ruey-Cheng Chen, Falk Scholer and Mark Sanderson. Using Semantic and Context Features for Answer Summary Extraction