

Introduction to the 2013 JCDL Doctoral Consortium Issue

Sally Jo Cunningham
Waikato University
New Zealand

Eddie Rasmussen
School of Library, Archival and Information Studies
University of British Columbia

The Doctoral Consortium (DC) for the 2013 ACM/IEEE Joint Conference on Digital Libraries (JCDL) was held in Indianapolis, IN, on July 22, 2013. The goal of the Doctoral Consortium is to support the next generation of researchers in the field of digital libraries by providing an opportunity for presentation, discussion and constructive feedback on dissertation research in progress. An international Advisory Panel of prominent professors and experienced practitioners in the field of digital library research reviewed all submissions, and acted as respondents to the student presentations.

Eleven doctoral students from diverse institutions participated in the 2013 DC. Participants were selected by a Program Committee on the basis of extended abstracts of their doctoral research. Their submissions were judged on their originality, significance, correctness, and clarity, and on the potential for benefit to their research in progress. Students selected to participate in the event were given the opportunity to revise their extended abstracts based on reviewers' comments. The revised papers were made available to the participants and the Advisory Panel in an informal proceedings. During the DC, participants presented their work and responded to questions and comments from other students and the Advisory Panel. Following the Doctoral Consortium in July, participants were invited to submit their papers for publication in this Special Issue of the *IEEE Bulletin of the Technical Committee on Digital Libraries*, after revision based on the feedback they received. All 11 of the participants chose to participate in this Special Issue.

The papers represent the diversity of current research in the field of digital libraries. At the DC, sessions were structured around four general themes: User Interaction, Network Analysis, Data and Archiving, and Social Factors. Within these broad themes, many topics were addressed, including preservation, scholarly communication, information retrieval, data management, web archiving, and scholarly networks.

We are grateful to the members of the Program Committee and the Advisory Panel who took part in the reviewing process and participated in the DC event. We also thank the sponsors for their support: the National Science Foundation who provided travel funding for the student participants (NSF Award No. 1341309, IIS), and other sponsors: ACM SIGWEB, ACM SIGIR, IEEE TCDL, and the University of British Columbia.

JCDL 2013 Doctoral Consortium Organization

Co-Chairs

Sally Jo Cunningham Waikato University, New Zealand
Edie Rasmussen University of British Columbia, Canada

Program Committee

David Bainbridge Waikato University, New Zealand
Jose Borbinha IST / INESC-ID, Portugal
George Buchanan City University London, UK
Sally Jo Cunningham Waikato University, New Zealand
Miles Efron University of Illinois, USA
Schubert Foo Nanyang Technological University, Singapore
Richard Furuta Texas A&M University, USA
Xiao Hu University of Hong Kong, Hong Kong
Min-Yen Kan National University of Singapore, Singapore
Michael Nelson Old Dominion University, USA
Edie Rasmussen University of British Columbia, Canada
Ingeborg Sølvsberg Norwegian University of Science and Technology, Norway
Shigeo Sugimoto University of Tsukuba, Japan
Yin Leng Theng Nanyang Technological University, Singapore

Advisory Panel

George Buchanan City University London, UK
Sally Jo Cunningham Waikato University, New Zealand
Richard Furuta Texas A&M University, USA
Xiao Hu University of Hong Kong, Hong Kong
Michael Nelson Old Dominion University, USA
Edie Rasmussen University of British Columbia, Canada
Ingeborg Sølvsberg Norwegian University of Science and Technology, Norway
Shigeo Sugimoto University of Tsukuba, Japan

Sponsors

ACM Special Interest Group in Information Retrieval (SIGIR)

ACM Special Interest Group on Hypertext and the Web (SIGWEB)

IEEE Technical Committee on Digital Libraries (TCDL)

National Science Foundation (NSF)

University of British Columbia (UBC)

Table of Contents

Scott G. Ainsworth, *Old Dominion University, USA*

Browsing and Recomposition Policies to Minimize Temporal Error When Utilizing Web Archives

Yasmin AlNoamany, *Old Dominion University, USA*

Using Web Archives to Enrich the Live Web Experience Through Storytelling

Erik Choi, *Rutgers, The State University of New Jersey, USA*

Motivations and Expectations for Asking Questions Within Online Q&A

Nathan Hall, *Virginia Tech, USA*

Socio-Technical Factors of Scholarly Communication in an Institutional Repository Context

Zhuoren Jiang, *Dalian Maritime University, China*

Citation Recommendation via Time-series Scholarly Topic Analysis and Publication Prior Analysis

Lili Lin, *Hohai University, China*

Measuring the Topic-Level Impact of Experts in Scholarly Network

Jose Antonio Olvera, *University of Girona, Spain*

Digital Preservation: a New Approach from Computational Intelligence

Su Inn Park, *Texas A&M University, USA*

PerCon: Support for Heterogeneous Data Management and Analysis via Mixed-initiative interaction

Xin Shuai, *Indiana University, USA*

The Influence of Social Usage Data on Science

Adam Worrall, *Florida State University, USA*

Social Digital Libraries: Their Roles Within and Across Social Worlds, Information Worlds, and Communities

Chao Xu, *New Jersey Institute of Technology, USA*

Task-Based User Profiling for Personalized Query Refinement