

Commenced Publication in 1973

Founding and Former Series Editors:

Gerhard Goos, Juris Hartmanis, and Jan van Leeuwen

Editorial Board

David Hutchison

Lancaster University, UK

Takeo Kanade

Carnegie Mellon University, Pittsburgh, PA, USA

Josef Kittler

University of Surrey, Guildford, UK

Jon M. Kleinberg

Cornell University, Ithaca, NY, USA

Alfred Kobsa

University of California, Irvine, CA, USA

Friedemann Mattern

ETH Zurich, Switzerland

John C. Mitchell

Stanford University, CA, USA

Moni Naor

Weizmann Institute of Science, Rehovot, Israel

Oscar Nierstrasz

University of Bern, Switzerland

C. Pandu Rangan

Indian Institute of Technology, Madras, India

Bernhard Steffen

TU Dortmund University, Germany

Madhu Sudan

Microsoft Research, Cambridge, MA, USA

Demetri Terzopoulos

University of California, Los Angeles, CA, USA

Doug Tygar

University of California, Berkeley, CA, USA

Gerhard Weikum

Max Planck Institute for Informatics, Saarbruecken, Germany

Panayiotis Zaphiris George Buchanan
Edie Rasmussen Fernando Loizides (Eds.)

Theory and Practice of Digital Libraries

Second International Conference, TPDL 2012
Paphos, Cyprus, September 23-27, 2012
Proceedings



Springer

Volume Editors

Panayiotis Zaphiris
Fernando Loizides
Cyprus University of Technology
Department of Multimedia and Graphic Arts
3603 Limassol, Cyprus
E-mail: panayiotis.zaphiris@cut.ac.cy, fernando.loizides@gmail.com

George Buchanan
City University of London
School of Informatics
Northampton Square, London, EC1V 0HB, UK
E-mail: george.buchanan.1@city.ac.uk

Edie Rasmussen
The University of British Columbia
School of Library, Archival and Information Studies
Irving K. Barber Learning Centre, Vancouver, BC, V6T 1Z1, Canada
E-mail: edie.rasmussen@ubc.ca

ISSN 0302-9743
ISBN 978-3-642-33289-0
DOI 10.1007/978-3-642-33290-6
Springer Heidelberg Dordrecht London New York

e-ISSN 1611-3349
e-ISBN 978-3-642-33290-6

Library of Congress Control Number: 2012946348

CR Subject Classification (1998): H.4, H.2, H.3, H.5, J.1, H.2.8

LNCS Sublibrary: SL 3 – Information Systems and Application, incl. Internet/Web and HCI

© Springer-Verlag Berlin Heidelberg 2012

This work is subject to copyright. All rights are reserved, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, re-use of illustrations, recitation, broadcasting, reproduction on microfilms or in any other way, and storage in data banks. Duplication of this publication or parts thereof is permitted only under the provisions of the German Copyright Law of September 9, 1965, in its current version, and permission for use must always be obtained from Springer. Violations are liable to prosecution under the German Copyright Law.

The use of general descriptive names, registered names, trademarks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India

Printed on acid-free paper

Springer is part of Springer Science+Business Media (www.springer.com)

Preface

We are delighted to present the proceeding of the 16th European Conference on Research and Advanced Technology for Digital Libraries, running for the second year as “Theory and Practice in Digital Libraries”, which ran in Paphos, Cyprus during September 23–27, 2012.

Following the inaugural ECDL in Pisa in 1997, the conference has become established as a major international venue for leading researchers in the field of digital libraries. The global economic turmoil of the last few years has not dented the continued health of the conference. We continue to receive and accept submissions for publication from countries that have not been represented at TPDL before, as an example our host country of Cyprus is well represented with new contributors.

For TPDL 2012, we focussed on attracting contributions on four major themes:

- Applications and User Experience
- Supporting Discovery
- Digital Humanities
- Research Data

These themes are the same as those of TPDL 2011, and while the core computer-science origins of TPDL continue to mature, the approaches of interdisciplinary methods, and the interests of humanists and research scientists in systematic management of their research materials, are widening the range of challenges addressed by digital library researchers.

Our overseas keynote speakers this year represented two contrasting approaches to supporting information seeking. Mounia Lalmas is well known as a global leader in information retrieval research, and represents the technical origins and ideals of many in the DL community. Mounia’s passion for excellence and robust methodology has inspired many of her peers across the world. In contrast, Cathy Marshall is immediately familiar to digital library researchers as a leading light in the more human-centred approaches to DL work, and her work has been repeatedly recognised by best-paper awards at the leading DL conferences.

We are also fortunate to have a local keynote speaker, Andreas Lanitis, whose interests are particularly relevant to the contemporary theme of preserving digital heritage. The problems in that domain have been of increasing pertinence to DLs in recent years, as the transience of digital material and the desire to disseminate ancient heritage combine to seek out the means by which long term, remote access to new and old materials can be sustained.

The programme began with the doctoral consortium and our tutorial programme of five varied tutorials, on themes from building digital libraries through to preservation processes.

Following the main conference, four workshops concluded the programme, including the 11th European Networked Knowledge Organization Systems (NKOS) workshop and the 2nd Semantic Digital Archive workshop.

For TPDL 2012, we ran a single programme committee for all submissions, and furthermore combined the call for short papers and posters into a single call for work-in-progress contributions. We continued to use the two-tier model of TPDL 2011 and ECDL 2010, with a main programme committee supervised by a metareview committee. Each contribution was reviewed independently by three or more members of the main committee, and the subsequent discussion and reflection was moderated by one member of the metareview committee.

The submissions received by the conference totalled 139 contributions (129 full papers and work-in-progress, plus and 10 demonstrations). From this, we selected 23 full papers (17.8%), 19 short paper presentations (15%), 14 poster submissions (11%), and 5 demonstrations. Twenty-six countries contributed works for review, the same as last year's conference in Berlin.

The programme of TPDL 2012 proved particularly challenging for the programme committee to finalise. The support of our metareview committee, continuing the practice of recent years at TPDL to use a second level of review, was critical in balancing the merits of the competing submissions. Our programme committee put in many hours of review and discussion, which greatly assisted us as programme chairs, and ensured that our decisions were robust and well-informed.

Fabrizio Sebastiani, our workshop chair, and Christos Papatheodorou, serving as tutorial chair, put in particularly praiseworthy efforts to help in the success of the conference. Our other supporting chairs also provided invaluable assistance in finalising the programme.

The success of TPDL 2012 is also due to our various supporters, but in particular the Coalition for Networked Information (CNI).

September 2012

George Buchanan
Edie Rasmussen
Panayiotis Zaphiris
Fernando Loizides

Organisation

TPDL 2012 was organised by the Cyprus University of Technology, in association with the University of Cyprus and City University London.

Organising Committee

Conference Chair	Panayiotis Zaphiris, Cyprus University of Technology, Cyprus
Organising Chair	Fernando Loizides, Cyprus University of Technology, Cyprus
Proceedings Chair	Fernando Loizides, Cyprus University of Technology, Cyprus
Publicity Chair	Maria Poveda, University of Cyprus, Cyprus

Programme Committee

Programme Chair	George Buchanan, City University London, UK Edie Rasmussen, University of British Columbia, Canada
Tutorials	Christos Papatheodorou, Ionian University, Greece
Workshops	Fabrizio Sebastiani, ISTI/CNR, Italy
Posters	Jennifer Pearson, Swansea University, UK
Panels	Rudi Schmeide, TU Darmstadt, Germany Andri Ioannou, Cyprus University of Technology, Cyprus
Demonstrations	Trond Aalberg, Norwegian University of Science and Technology, Norway
Doctoral Consortium	Stefan Gradmann, Humboldt University Berlin, Germany Birger Larsen, Royal School of Library and Information Science, Denmark

Metareview Committee

David Bainbridge	University of Waikato, New Zealand
José Borbinha	IST, Portugal
Donatella Castelli	ISTI-CNR, Italy
Gobindha Chowdhury	University of Technology, Sydney, Australia
Fabio Crestani	University of Lugano, Switzerland
J. Stephen Downie	University of Illinois Urbana-Champaign, USA
Schubert Foo	Nanyang Technical University, Singapore

Edward A. Fox	Virginia Tech, USA
Ingo Frommholz	University of Bedfordshire, UK
Norbert Fuhr	University of Duisberg-Essen, Germany
Annika Hinze	University of Waikato, New Zealand
Claus-Peter Klas	Fern Universität Hagen, Germany
Carlo Meghini	Consiglio Nazionale delle Ricerche, Italy
Michael Nelson	Old Dominion University, USA
Christos Papatheodorou	Ionian University, Greece
Andreas Rauber	Vienna University of Technology, Austria
Susan Schreimbman	Trinity College Dublin, Ireland
Hussein Suleman	University of Cape Town, South Africa
Elaine Toms	Sheffield University, UK
Pertti Vakkari	Tampere University, Finland

Programme Committee

Trond Aalberg	Norwegian University of Science and Technology, Norway
Anne Adams	Open University, UK
Robert Allen	Victoria University Wellington, New Zealand
Simon Attfield	Middlesex University, UK
Wolf-Tilo Balke	University of Hannover, Germany
Alejandro Bia	Miguel Hernández University, Spain
Christine Borgman	University of California Los Angeles, USA
Leonardo Candela	ISTI-CNR, Italy
Les Carr	Southampton University, UK
Lillian Cassel	Villanova University, USA
Tinni Choudhury	Middlesex University, UK
Panos Constantopoulos	Athens University of Economics and Business, Greece
Gregory Crane	Tufts University, USA
Pierre Cubaud	CNAM, France
Sally Jo Cunningham	University of Waikato, New Zealand
Theodore Dalamagas	National Technical University of Athens, Greece
Nicola Ferro	University of Padua, Italy
Luis Francisco-Revilla	University of Texas Austin, USA
Nuno Freire	The European Library, Portugal
Luanne Freund	University of British Columbia, Canada
Pablo de la Fuente	University of Valladolid, Spain
Richard Furuta	Texas A&M University, USA
C. Lee Giles	Pennsylvania State University, USA
Marcos Goncalves	Federal University of Minas Gerais, Brazil
Juilo Gonzalo	UNED, Spain
Stefan Gradmann	Humboldt University Berlin, Germany
Kai Grønbaek	Aarhus University, Denmark

Preben Hansen	Swedish Institute of Computer Science, Sweden
Maureen Henninger	University of Technology Sydney, Australia
Geneva Henry	Rice University, USA
Yannis E. Ioannidis	University of Athens, Greece
Max Kaiser	Austrian National Library, Austria
Min-Yen Kan	National University of Singapore, Singapore
Sarantos Kapidakis	Ionian University, Greece
Mike Khoo	Drexel University, USA
Martin Klein	Los Alamos National Laboratory, USA
Alberto Laender	Federal University of Minas Gerais, Brazil
Carl Lagoze	Cornell University, USA
Birger Larsen	Royal School of Information and Library Science, Denmark
Ronald Larsen	University of Pittsburgh, USA
Ray Larson	University of California, Berkeley, USA
Clare Llewellyn	University of Edinburgh, UK
Fernando Loizides	Cyprus University of Technology, Cyprus
Andy MacFarlane	City University London, UK
Dana McKay	Swinburne University of Technology, Australia
Akira Maeda	Ritsumeikan University, Japan
Stefan Makri	University College London, UK
Andras Micsik	Sztaki, Hungary
Uma Murthy	Virginia Tech, USA
Glen Newton	Carlton University, Canada
David Nichols	University of Waikato, New Zealand
Kjetil Nørvag	Norwegian University of Science and Technology, Norway
Pasquale Pagano	ISTI-CNR, Italy
Rebecca Parker	Swinburne University of Technology, Australia
Jennifer Pearson	Swansea University, UK
Stefan Rüger	Open University, UK
Robert Sanderson	Los Alamos National Laboratory, USA
Rudi Schmeide	TU Darmstadt, Germany
Heiko Schuldt	University of Basel, Switzerland
Michael Seadle	Humboldt University, Berlin, Germany
Frank Shipman III	Texas A&M University, USA
Ray Siemens	Victoria University, Canada
Beat Signer	Vrije Universiteit Brussel, Belgium
Herbert Van De Sompel	Los Alamos National Laboratory, USA
Ingeborg Sølvberg	Norwegian University of Science and Technology, Norway
Nicolas Spyratos	Université Paris-Sud, France
Shigeo Sugimoto	University of Tsukuba, Japan
Yin-Leng Theng	Nanyang Technical University, Singapore
Anastasios Tombros	Queen Mary College London, UK
Giannis Tsakonas	University of Patras, Greece

Doug Tudhope	Glamorgan University, UK
Shalini Urs	University of Mysore, India
Nicholas Vanderschantz	University of Waikato, New Zealand
Felisa Verdejo	UNED, Spain
Stina Westman	University of Aalto, Finland
Uffe Wiil	Syddansk University, Denmark

Reviewers

Massimiliano Assante	ISTI-CNR, Italy
Vassilis Christophides	Foundation for Research and Technology (FORTH), Greece
Gianpaolo Coro	ISTI-CNR, Italy
Sujatha Das	Pennsylvania State University, USA
Helen Dodd	Swansea University, UK
Martin Doerr	Foundation for Research and Technology - Hellas, Greece
Laurent D'Orazio	Clermont Université - Université Blaise Pascal, France
Giorgos Giannopoulos	National Technical University of Athens, Greece
Madian Khabsa	Pennsylvania State University, USA
Ivano Masiero	University of Padua, Italy
Simone Peruzzo	University of Padua, Italy
Hany Salaheldeen	Old Dominion University, USA
Sven Schlarb	Austrian National Library, Austria
Gianmaria Silvello	University of Padua, Italy
Zhaohui Wu	Pennsylvania State University, USA

Workshops Committee

Fabrizio Sebastiani (Chair)	ISTI/CNR, Italy
Nicola Ferro	University of Padua, Italy
Ed Fox	Virginia Tech, USA
Marcos Goncalves	Federal University of Minas Gerais, Brazil
Vivien Petras	Humboldt University Berlin, Germany
Andreas Rauber	Vienna University of Technology, Austria

Tutorials Committee

Christos Papatheodorou (chair)	Ionian University, Greece
Trond Aalberg	Norwegian University of Science and Technology, Norway
Birger Larsen	Royal School of Library and Information Science, Denmark
Ron Larsen	University of Pittsburgh, USA

Table of Contents

User Behaviour

What Would ‘Google’ Do? Users’ Mental Models of a Digital Library Search Engine	1
<i>Michael Khoo and Catherine Hall</i>	
An Exploration of ebook Selection Behavior in Academic Library Collections	13
<i>Dana McKay, Annika Hinze, Ralf Heese, Nicholas Vanderschantz, Claire Timpany, and Sally Jo Cunningham</i>	
Information Seekers’ Visual Focus during Time Constraint Document Triage	25
<i>Fernando Loizides</i>	
Which Words Do You Remember? Temporal Properties of Language Use in Digital Archives	32
<i>Nina Tahmasebi, Gerhard Gossen, and Thomas Risse</i>	

Mobiles & Place

Toward Mobile-Friendly Libraries: The Status Quo	38
<i>Dongwon Lee</i>	
Listen to Tipple: Creating a Mobile Digital Library with Location-Triggered Audio Books	51
<i>Annika Hinze and David Bainbridge</i>	
Re-finding Physical Documents: Extending a Digital Library into a Human-Centred Workplace	57
<i>Annika Hinze and Amay Dighe</i>	

Heritage and Sustainability

User Needs for Enhanced Engagement with Cultural Heritage Collections	64
<i>Mark S. Sweetnam, Maristella Agosti, Nicola Orio, Chiara Ponchia, Christina M. Steiner, Eva-Catherine Hillemann, Micheál Ó Siochrú, and Séamus Lawless</i>	
Digital Library Sustainability and Design Processes	76
<i>Anne Adams and Pauline Ngimwa</i>	

Creation of Textual Versions of Historical Documents from Polish Digital Libraries	89
<i>Adam Dudczak, Miłosz Kmiecik, and Marcin Werla</i>	
Increasing Recall for Text Re-use in Historical Documents to Support Research in the Humanities	95
<i>Marco Büchler, Gregory Crane, Maria Moritz, and Alison Babeu</i>	

Preservation

PrEV: Preservation Explorer and Vault for Web 2.0 User-Generated Content	101
<i>Anqi Cui, Liner Yang, Dejun Hou, Min-Yen Kan, Yiqun Liu, Min Zhang, and Shaoping Ma</i>	
Preserving Scientific Processes from Design to Publications	113
<i>Rudolf Mayer, Andreas Rauber, Martin Alexander Neumann, John Thomson, and Gonçalo Antunes</i>	
Losing My Revolution: How Many Resources Shared on Social Media Have Been Lost?	125
<i>Hany M. SalahEldeen and Michael L. Nelson</i>	
Automatic Vandalism Detection in Wikipedia with Active Associative Classification	138
<i>Maria Sumbana, Marcos André Gonçalves, Rodrigo Silva, Jussara Almeida, and Adriano Veloso</i>	
Applying Digital Library Technologies to Nuclear Forensics	144
<i>Electra Sutton, Chloe Reynolds, Fredric C. Gey, and Ray R. Larson</i>	

Linked Data

Identifying References to Datasets in Publications	150
<i>Katarina Boland, Dominique Ritze, Kai Eckert, and Brigitte Mathiak</i>	
Collaborative Tagging of Art Digital Libraries: Who Should Be Tagging? A Case Study	162
<i>M. Mahoui, C. Boston-Clay, R. Stein, and N. Tirupattur</i>	
A System for Exposing Linguistic Linked Open Data	173
<i>Emanuele Di Buccio, Giorgio Maria Di Nunzio, and Gianmaria Silvello</i>	
Linking the Parliamentary Record: A New Approach to Metadata for Legislative Proceedings	179
<i>Richard Gartner</i>	

Analysing and Enriching Documents

A Ground Truth Bleed-Through Document Image Database	185
<i>Róisín Rowley-Brooke, François Pitié, and Anil Kokaram</i>	
Identifying “Soft 404” Error Pages: Analyzing the Lexical Signatures of Documents in Distributed Collections	197
<i>Luis Meneses, Richard Furuta, and Frank Shipman</i>	
User-Defined Semantic Enrichment of Full-Text Documents: Experiences and Lessons Learned	209
<i>Annika Hinze, Ralf Heese, Alexa Schlegel, and Markus Luczak-Rösch</i>	
Semantic Document Selection: Historical Research on Collections That Span Multiple Centuries	215
<i>Daan Odijk, Ork de Rooij, Maria-Hendrike Peetz, Toine Pieters, Maarten de Rijke, and Stephen Snelders</i>	

Content and Metadata Quality

Finding Quality Issues in SKOS Vocabularies	222
<i>Christian Mader, Bernhard Haslhofer, and Antoine Isaac</i>	
On MultiView-Based Meta-learning for Automatic Quality Assessment of Wiki Articles	234
<i>Daniel H. Dalip, Marcos André Gonçalves, Marco Cristo, and Pável Calado</i>	

Folksonomy and Ontology

A Methodology for Folksonomy Evaluation	247
<i>Spyros Daglas, Constantia Kakali, Dionysis Kakavoulis, Marina Koumaki, and Christos Papatheodorou</i>	
Advanced Automatic Mapping from Flat or Hierarchical Metadata Schemas to a Semantic Web Ontology: Requirements, Languages, Tools	260
<i>Justyna Walkowska and Marcin Werla</i>	
Ontological Formalization of Scientific Experiments Based on Core Scientific Metadata Model	273
<i>Armand Brahaj, Matthias Razum, and Frank Schwichtenberg</i>	
Domain Analysis for a Video Game Metadata Schema: Issues and Challenges	280
<i>Jin Ha Lee, Joseph T. Tennis, and Rachel Ivy Clarke</i>	

Information Retrieval

A Benchmark for Content-Based Retrieval in Bivariate Data Collections	286
<i>Maximilian Scherer, Tatiana von Landesberger, and Tobias Schreck</i>	
Web Search Personalization Using Social Data	298
<i>Dong Zhou, Séamus Lawless, and Vincent Wade</i>	
A Model for Searching Musical Scores by Instrumentation	311
<i>Michel Beigbeder</i>	
Extending Term Suggestion with Author Names	317
<i>Philipp Schaer, Philipp Mayr, and Thomas Lüke</i>	

Organising Collections

Evaluating the Use of Clustering for Automatically Organising Digital Library Collections	323
<i>Mark Hall, Paul Clough, and Mark Stevenson</i>	
A Unique Arrangement: Organizing Collections for Digital Libraries, Archives, and Repositories	335
<i>Jeff Crow, Luis Francisco-Revilla, April Norris, Shilpa Shukla, and Ciaran B. Trace</i>	
Mix-n-Match: Building Personal Libraries from Web Content	345
<i>Matthias Geel, Timothy Church, and Moira C. Norrie</i>	
Machine Learning in Building a Collection of Computer Science Course Syllabi	357
<i>Nakul Rathod and Lillian N. Cassel</i>	
PubLight: Managing Publications Using a Task-Oriented Approach	363
<i>Matthias Geel, Michael Nebeling, and Moira C. Norrie</i>	

Extracting and Indexing

Improved Bibliographic Reference Parsing Based on Repeated Patterns	370
<i>Guido Sautter and Klemens Böhm</i>	
Catching the Drift – Indexing Implicit Knowledge in Chemical Digital Libraries	383
<i>Benjamin Köhncke, Sascha Tönnies, and Wolf-Tilo Balke</i>	
Using Visual Cues for the Extraction of Web Image Semantic Information	396
<i>Georgina Tryfou and Nicolas Tsapatsoulis</i>	

Poster Papers

Malleable Finding Aids	402
<i>Scott R. Anderson and Robert B. Allen</i>	
Improving Retrieval Results with Discipline-Specific Query Expansion	408
<i>Thomas Lüke, Philipp Schaer, and Philipp Mayr</i>	
An Evaluation System for Digital Libraries	414
<i>Alexander Nussbaumer, Eva-Catherine Hillemann, Christina M. Steiner, and Dietrich Albert</i>	
Enhancing Digital Libraries and Portals with Canonical Structures for Complex Objects	420
<i>Scott Britell, Lois M.L. Delcambre, Lillian N. Cassel, Edward A. Fox, and Richard Furuta</i>	
Exploiting the Social and Semantic Web for Guided Web Archiving	426
<i>Thomas Risse, Stefan Dietze, Wim Peters, Katerina Doka, Yannis Stavrakas, and Pierre Senellart</i>	
Query Expansion of Zero-Hit Subject Searches: Using a Thesaurus in Conjunction with NLP Techniques	433
<i>Sarantos Kapidakis, Anna Mastora, and Manolis Peponakis</i>	
Towards Digital Repository Interoperability: The Document Indexing and Semantic Tagging Interface for Libraries (DISTIL)	439
<i>Michael Khoo, Douglas Tudhope, Ceri Binding, Eileen Abels, Xia Lin, and Diana Massam</i>	
Aggregating Content for Europeana: A Workflow to Support Content Providers	445
<i>Valentina Vassallo and Marzia Piccininno</i>	
Diva: A Web-Based High-Resolution Digital Document Viewer	455
<i>Andrew Hankinson, Wendy Liu, Laurent Pugin, and Ichiro Fujinaga</i>	
Collaborative Authoring of Walden's Paths	461
<i>Yuanling Li, Paul Logasa Bogen II, Daniel Pogue, Richard Furuta, and Frank Shipman</i>	
Quantitative Analysis of Search Sessions Enhanced by Gaze Tracking with Dynamic Areas of Interest	468
<i>Tuan Vu Tran and Norbert Fuhr</i>	
Generating Content for Digital Libraries Using an Interactive Content Management System	474
<i>Uros Damnjanovic and Sorin Hermon</i>	

Enhancing the Curation of Botanical Data Using Text Analysis Tools	480
<i>Clare Llewellyn, Clare Grover, Jon Oberlander, and Elspeth Haston</i>	
Ranking Distributed Knowledge Repositories	486
<i>Robert Neumayer, Krisztian Balog, and Kjetil Nørkvåg</i>	
Demonstration Papers	
The CMDI MI Search Engine: Access to Language Resources and Tools Using Heterogeneous Metadata Schemas	492
<i>Junte Zhang, Marc Kemps-Snijders, and Hans Bennis</i>	
SIARD Archive Browser	496
<i>Arif Ur Rahman, Gabriel David, and Cristina Ribeiro</i>	
PATHS – Exploring Digital Cultural Heritage Spaces	500
<i>Mark Hall, Eneko Agirre, Nikolaos Aletras, Runar Bergheim, Konstantinos Chandrinos, Paul Clough, Samuel Fernando, Kate Fernie, Paula Goodale, Jillian Griffiths, Oier Lopez de Lacalle, Andrea de Polo, Aitor Soroa, and Mark Stevenson</i>	
FrbrVis: An Information Visualization Approach to Presenting FRBR Work Families	504
<i>Tanja Merčun, Maja Žumer, and Trond Aalberg</i>	
Metadata Enrichment Services for the Europeana Digital Library	508
<i>Giacomo Berardi, Andrea Esuli, Sergiu Gordea, Diego Marcheggiani, and Fabrizio Sebastiani</i>	
Collaboratively Creating a Thematic Repository Using Interactive Table-Top Technology	512
<i>Fernando Loizides, Christina Vasiliou, Andri Ioannou, and Panayiotis Zaphiris</i>	
Author Index	517