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# Bridging Between Cultural Heritage Institutions

9th Italian Research Conference, IRCDL 2013  
Rome, Italy, January 31 – February 1, 2013  
Revised Selected Papers



Springer

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# Preface

The Italian Research Conference on Digital Libraries (IRCDL) is an annual event for the Italian research community, both on the computer science and on the humanities side, interested in digital libraries, digital cultural heritage, and related topics. The IRCDL conferences were launched in 2005 by Maristella Agosti and Costantino Thanos and initially sponsored by DELOS, an EU FP6 Network of Excellence on digital libraries together with the Department of Information Engineering of the University of Padua. Over the years, IRCDL has become a self-sustainable event supported by the Italian Digital Library Research Community.

The focus of this ninth edition was on the multidisciplinary nature of research on digital libraries, which not only ranges from humanities to computer science but also crosses over areas in the same field ranging, for example, from archival to librarian sciences or from information systems to human – computer interaction. This is a continued challenge for the digital libraries field and there is the need to effectively bridge the gap existing between communities that share common objectives. The aim is therefore to provide the opportunity to explore new ideas, techniques, and tools, developed both in the humanities and computer science fields, and to exchange experiences from on-going projects.

This volume contains the revised accepted papers from among those presented at the 9th Italian Research Conference on Digital Libraries (IRCDL 2013), which was held at the Department of Computer Science of the Sapienza University of Rome, from January 31 to and February 1, 2013.

The recognized scope of IRCDL is to bring together the Italian research community interested in the diversified methods and techniques that allow the building and operation of digital libraries. A national Program Committee was set up composed of 15 members, with representatives of the most active Italian research groups on digital libraries.

The papers accepted for inclusion in this volume were submitted in an extended version with respect to the ones orally presented. Those papers underwent a new review process resulting in the contributions appearing in the volume. The covered topics are related to the different aspects that need to support information access and interoperability; among those there are:

- Formal and methodological foundations of digital libraries
- Digital library architectures and infrastructures
- System interoperability and data integration
- Ontologies and linked data for digital libraries
- Metadata creation, management, and curation
- User interfaces and visualization
- Information access, usability, and personalization
- Long-term preservation

- Collaborative environments
- Social networking and networked information
- Quality and evaluation of digital libraries
- Digital libraries for education and learning
- Digital libraries for the evaluation of research quality and scholarly impact (bibliometric indicators, citation analysis, ...)
- Exploitation of cultural heritage material

In addition to the presentations of the accepted papers, the program of IRCDL 2013 featured a keynote talk and a panel. The keynote talk by Paola Manoni of the Vatican Library was entitled “The digitization project of the Vatican Library within the complex relationships between sets of metadata” and focused on the metadata schemas involved in the digitization project of the Vatican Library: for long-term preservation strategies as applied to digital deposit collections, as well as for Web publication of images in the context of the digital library. The panel concerned the evaluation of cultural heritage information access systems, and was moderated by Tiziana Catarci, Sapienza University of Rome, while the panelists reflected the perspectives of different fields, ranging from computer science – Giuseppe Santucci, Sapienza University of Rome – to archival and librarian sciences – Mariella Guercio, Sapienza University of Rome, and Maurizio Messina, Marciana National Library – and digital humanities – Francesca Tomasi, University of Bologna.

IRCDL 2014, the tenth edition of IRCDL, will be held at the Department of Information Engineering of the University of Padua during January 30-31, 2014.

We would like to thank those institutions and individuals who made the conference and this volume possible. In particular, we would like to thank the Program Committee members and the additional reviewers, the Steering Committee members, the authors, the Department of Computer, Control, and Management Engineering Antonio Ruberti of the Sapienza University of Rome, the Department of Information Engineering of the University of Padua, CINECA, and the PROMISE FP7 Network of Excellence.

December 2013

Tiziana Catarci  
Nicola Ferro  
Antonella Poggi

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Department of Information Engineering, University of Padua

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