

Preface

We are delighted to present the ECDL 2004 Conference proceedings from the 8th European Conference on Research and Advanced Technology for Digital Libraries at the University of Bath, Bath, UK. This followed an impressive and geographically dispersed series of locations for previous events: Pisa (1997), Heraklion (1998), Paris (1999), Lisbon (2000), Darmstadt (2001), Rome (2002), and Trondheim (2003).

The conference reflected the rapidly evolving landscape of digital libraries, both in technology developments and in the focus of approaches to implementation. An emphasis on the requirements of the individual user and of diverse and distributed user communities was apparent. In addition, the conference programme began to address, possibly for the first time, the associated themes of e-research/e-science and e-learning and their relationship to digital libraries. We observed increasing commonality in both the distributed information architectures and the technical standards that underpin global infrastructure developments. Digital libraries are integral to this information landscape and to the creation of increasingly powerful tools and applications for resource discovery and knowledge extraction. Digital libraries support and facilitate the data and information flows within the scholarly knowledge cycle and provide essential enabling functionality for both learners and researchers. The varied and innovative research activities presented at ECDL 2004 demonstrate the exciting potential of this very fast-moving field.

The 148 papers, 43 posters, 5 panels, 14 tutorials and 4 workshops submitted this year were once again of the highest quality. They covered a very wide range of topics and were submitted from many countries reflecting the standing and profile of this major European conference. Our international Programme Committee of 70 expert reviewers carried out an exacting peer-review process to assure continued quality standards and to generate an outstanding conference programme. We were able to accept 47 papers, 4 of which were short papers, which equates to a 32% acceptance rate. In addition we had three leading experts giving keynote presentations: Prof. Tony Hey (Director, UK E-Science Programme), Neil McLean (Director, IMS Australia), and Lorcan Dempsey (VP Research & Chief Strategist, OCLC). All information relating to the conference is located at <http://www.ecdl2004.org/>.

We recognize that there is a huge effort required to organize a successful major international conference and thanks are due to many individuals and organizations. In particular, we should like to extend our thanks to the Organizing Committee, the members of the Programme Committee, the additional referees, the conference Chairs, the invited speakers, panelists, all the presenters (panels, papers, posters, workshops and tutorials) and of course all the participants. We are grateful for the support of the University of Bath, Delos NoE, JISC, and MLA and for the helpful advice and guidance of many experts who willingly and freely gave their time and expertise for our collected benefit.

Finally we would like to extend our most sincere thanks to all our colleagues at UKOLN, who assisted and supported ECDL 2004 from conception to conclusion. Special thanks are due to Andy Powell, Greg Tourte and Richard Waller for their assistance in editing these proceedings.

July 2004

Rachel Heery
Liz Lyon

Organization

General Chair

Liz Lyon, UKOLN, University of Bath, UK

Programme Chair

Rachel Heery, UKOLN, University of Bath, UK

Organization Chairs

James Davenport, University of Bath, UK

Michael Day, UKOLN, University of Bath, UK

Local Organizing Committee

Natasha Bishop, UKOLN, University of Bath, UK

Sarah Smith, UKOLN, University of Bath, UK

Workshop Chairs

Stefan Gradmann, Hamburg University, Germany

Lesly Huxley, University of Bristol, UK

Panel Chairs

Christine Borgman, University of California, USA

Stefan Decker, DERI, Ireland

Neil McLean, Macquarie University, Australia

Poster and Demonstration Chairs

Donatella Castelli, IEI-CNR, Italy

Heike Neuroth, Goettingen State and University Library, Germany

Tutorial Chairs

Jose Borbhina, National Library of Portugal

John MacColl, University of Edinburgh, UK

Tamara Sumner, University of Colorado, USA

Programme Committee

Hanne Albrechtsen, RISO National Laboratory, Denmark
Anders Ardö, Lund Institute of Technology, Sweden
Daniel Atkins, University of Michigan, USA
Ricardo Baeza-Yates, University of Chile, Chile
Thomas Baker, Fraunhofer-Gesellschaft, Germany
Dave Beckett, ILRT, University of Bristol, UK
Nick Belkin, Rutgers University, USA
Ann Blandford, UCL, UK
Gerhard Budin, University of Vienna, Austria
Lorna Campbell, University of Strathclyde, UK
Vittore Casarosa, National Research Council, Italy
Key-Sun Choi, KAIST, Korea
Sheila Corral, University of Sheffield, UK
Fabio Crestani, University of Strathclyde, UK
David de Roure, Southampton University, UK
Marilyn Deegan, University of Oxford, UK
Lorcan Dempsey, OCLC, USA
Martin Doerr, ICS FORTH, Greece
Matthew Dovey, Oxford University, UK
Dieter Fellner, Technical University of Braunschweig, Germany
Ed Fox, Virginia Tech, USA
Norbert Fuhr, University of Duisburg-Essen, Germany
Carole Goble, University of Manchester, UK
Norbert Gövert, University Library of Dortmund, Germany
Jane Greenberg, University of North Carolina, USA
Juha Hakala, Helsinki University Library, Finland
Margaret Hedstrom, University of Michigan, USA
Debra Hiom, ILRT, University of Bristol, UK
Jane Hunter, University of Queensland, Australia
Pete Johnston, UKOLN, University of Bath, UK
Leonid Kalinicichenko, Russian Academy of Sciences, Russia
Stephen Katz, Food and Agriculture Organization of the United Nations, Italy
Jaana Kekalainen, University of Tampere, Finland
Kersten Kleese, CCLRC e-Science, UK
Traugott Koch, Netlab Lund University, Sweden
Harald Krottmaier, IICM, Austria
John Kunze, California Digital Library, USA
Carl Lagoze, Cornell University, USA
Mounia Lalmas, University of London, UK
Ray Larson, University of California, Berkeley, USA
Clifford Lynch, Coalition for Networked Information, USA
Michael Mabe, Elsevier Science, UK
Pier Giorgio Marchetti, European Space Agency, Italy
Gary Marchionini, University of North Carolina, Chapel Hill, USA

Julien Masanès, Bibliothèque Nationale de France, France
 Cliff McKnight, Loughborough University, UK
 Erich J. Neuhold, Fraunhofer-Gesellschaft-IPSI, Germany
 Achim Osswald, University of Applied Sciences, Koln, Germany
 Julian Padget, University of Bath, UK
 John Paschoud, LSE, UK
 Manjula Patel, UKOLN, University of Bath, UK
 Carol Peters, Italian National Research Council, Italy
 Andy Powell, UKOLN, University of Bath, UK
 Andreas Rauber, Vienna University of Technology, Austria
 Thomas Risse, Fraunhofer-Gesellschaft, Germany
 Chris Rusbridge, University of Glasgow, UK
 Rudi Schmiede, TU Darmstadt, Germany
 Jacqueline Slats, Nationaal Archief, Netherlands
 Alan Smeaton, Dublin City University, Ireland
 Dagobert Soergel, University of Maryland, USA
 Shigeo Sugimoto, University of Library and Information Sciences, Japan
 Stuart Sutton, University of Washington, USA
 Costantino Thanos, National Research Council, Italy
 Elaine Toms, Dalhousie University, Canada
 Doug Tudhope, University of Glamorgan, UK
 Herbert Van de Sompel, Los Alamos National Laboratory, USA
 Diane Vizine-Goetz, OCLC, USA
 Stuart Weibel, OCLC, USA
 Ian Witten, University of Waikato, New Zealand
 Muhammad Zubair, Old Dominion University, USA

Additional Reviewers

Giuseppe Amato	Matt Jones	Carl Rauch
Sean Bechhofer	Marko Junkkari	Rosemary Russell
Tim Brody	Brian Kelly	J. Alfredo Sánchez
Ann Chapman	Predrag Knezevic	André Schaefer
Peter Crowther	Monica Landoni	Fabio Simeoni
Sally Jo Cunningham	Lei Li	Avare Stewart
Pete Dowdell	Phil Lord	Ulrich Thiel
Eibe Frank	Bendick Mahleko	Daniele Turi
Ingo Frommholz	S. Marchant-Maillet	Michael Twidale
Jean Godby	Jafar Movahedi	Grant Young
Jan Grant	Davim M. Nichols	
Lieming Huang	Claudia Niederée	
Philip Hunter	Henrik Nottelmann	

Sponsors

Joint Information Systems Committee, UK