

Preface

Digital Libraries are complex and advanced forms of information systems which extend and augment their physical counterparts by amplifying existing resources and services and enabling development of new kinds of human problem solving and expression. Their complexity arises from the data-rich domain of discourse as well as from extended demands for multi-disciplinary input, involving distributed systems architectures, structured digital documents, collaboration support, human-computer interaction, information filtering, etc. In addition to the broad range of technical issues, ethics and intellectual property rights add to the complication that is normally associated with the development, maintenance, and use of Digital Libraries.

The Second European Conference on Digital Libraries (ECDL'98) builds upon the success of the first of this series of European Conferences on Research and Advanced Technology for Digital Libraries, held last year in Pisa, Italy, September 1-3, 1997.

This series of conferences is partially funded by the TMR Programme of the European Commission and is actively supported and promoted by the European Research Consortium on Informatics and Mathematics (ERCIM). The aim is to bring together the different communities involved in the development of Digital Libraries, to review progress and to discuss strategies, research and technological development (RTD) issues, as well as specific topics related to the European context. These communities include professionals from universities, research centres, industry, government agencies, public libraries, etc. One of the main objectives is to promote and sustain an international and multi-disciplinary Digital Libraries community, facilitating scientific and technological progress, enabling growth of the available infrastructure and services, increasing the dissemination bandwidth and attracting further interest, particularly from young scientists.

ECDL'98 is held in Heraklion, Crete, Greece, September 21-23, 1998, and is organised by the Institute of Computer Science (ICS) of the Foundation for Research and Technology - Hellas (FORTH) in co-operation with the Department of Computer Science of the University of Crete. It is a truly international event of a distinctively interdisciplinary nature. The international programme committee of the conference comprised 32 representatives from 13 countries. In total, 107 papers were received, a significant increase from last year, which were assigned to 56 reviewers. The significant increase in the number of paper submissions marks the growing interest that the field of Digital Libraries has attracted over the past year. Following a rigorous peer review selection process, where each paper was reviewed by at least three reviewers, 35 full papers were selected. The high quality of the submitted papers also indicates the rapid progress that is taking place in this emerging technological field. Additionally, the conference features 1 keynote speaker, 10 invited talks, 7 tutorials, 32 posters, 6 panel sessions, 2 special sessions, 13 demonstrations, and 9 DELOS Workshop papers.

We are indebted to all those who have contributed to make this conference possible. The TMR Programme of the European Commission, ERCIM, ICS-FORTH, University of Crete, and the sponsors of this conference; the international programme committee, the reviewers and the local organising committee; the invited speakers, the paper and poster presenters, the organisers and participants of tutorials, panel sessions, case studies and demonstrations, and all the conference participants.

September 1998

Christos Nikolaou and Constantine Stephanidis

Organisation

The Second European Conference on Research and Advanced Technology for Digital Libraries was organised in Heraklion, Crete, Greece by the Institute of Computer Science (ICS) of the Foundation for Research and Technology - Hellas (FORTH), in co-operation with the Department of Computer Science of the University of Crete, and with the assistance of the European Commission (TMR Programme) and the European Research Consortium for Informatics and Mathematics (ERCIM).

Programme Chair

Christos Nikolaou, University of Crete & ICS-FORTH, Greece

Programme Committee

Serge Abiteboul, INRIA, France
Robert B. Allen, Bellcore, USA
Thomas Baker, Asian Institute of Technology, Thailand
William Birmingham, University of Michigan, USA
Panos Constantopoulos, University of Crete & ICS-FORTH, Greece
Bruce Croft, University of Massachusetts, USA
Costis Dallas, Hellenic Ministry of Foreign Affairs, Greece
Edward A. Fox, Virginia Technical University, USA
Norbert Fuhr, University of Dortmund, Germany
Hector Garcia-Molina, Stanford University, USA
Keith Jeffery, RAL-CLRC, UK
Martin Kersten, CWI, The Netherlands
Judith Klavans, Columbia University, USA
Carl Lagoze, Cornell University, USA
Clifford A. Lynch, Coalition for Networked Information, USA
Jeff MacKie-Mason, University of Michigan, USA
A. Desai Narasimhalu, National University of Singapore, Singapore
Ann Okerson, Yale University, USA
Olle Olsson, SICS, Sweden
Andreas Paepcke, Stanford University, USA
Nicholas Patrikalakis, MIT, USA
Carol Peters, IEI-CNR, Italy
Jakka Sairamesh, IBM-T.J. Watson Research Center, USA
Peter Schauble, ETH Zurich, Switzerland
Hans Joerg Schek, ETH Zurich, Switzerland
Eric Simon, INRIA, France
Ingeborg T. Solvberg, University of Science and Technology, Norway
Constantine Stephanidis, ICS-FORTH, Greece
Shigeo Sugimoto, University of Library and Information Science, Japan
Costantino Thanos, IEI-CNR, Italy
Ulrich Thiel, GMD-IPSI, Germany
Stuart Weibel, OCLC, USA

Local Organising Committee

Anastasia Anastasiadi, ICS-FORTH, Greece
Penelope Constanta, ICS-FORTH, Greece
Rena Kalaitzaki, University of Crete, Greece
Sarantos Kapidakis, ICS-FORTH, Greece
Liana Kefalaki, ICS-FORTH, Greece
Gyoylh Koraoy, University of Crete, Greece
Spyros Lalis, University of Crete, Greece
Manolis Marazakis, University of Crete, Greece
Dimitris Papadakis, University of Crete, Greece
Stavros Papadakis, University of Crete, Greece
Maria Prevelianaki, ICS-FORTH, Greece
Maria Stavrakaki, University of Crete, Greece
Mixalhs Tzekakhs, University of Crete, Greece
Stella Vourou, University of Crete & ICS-FORTH, Greece

Reviewers

Serge Abiteboul, INRIA, France
Robert B. Allen, Bellcore, USA
Sophia Ananiadou, Manchester Metropolitan University, UK
Anastasia Anastasiadi, ICS-FORTH, Greece
Thomas Baker, Asian Institute of Technology, Thailand
William Birmingham, University of Michigan, USA
Vassilios Chrissikopoulos, University of Piraeus, Greece
Vasilis Christophides, ICS-FORTH, Greece
Penelope Constanta, ICS-FORTH, Greece
Bruce Croft, University of Massachusetts, USA
Costis Dallas, Hellenic Ministry of Foreign Affairs, Greece
Edward A. Fox, Virginia Technical University, USA
Norbert Fuhr, University of Dortmund, Germany
Hector Garcia-Molina, Stanford University, USA
George Georgakopoulos, University of Crete, Greece
Antonis Hatzistamatiou, ICS-FORTH, Greece
Elias Houstis, Purdue University, USA
Catherine Houstis, University of Crete & ICS-FORTH, Greece
Stelios Sartzetakis, ICS-FORTH, Greece
Keith Jeffery, RAL-CLRC, UK
Hans Joerg Schek, ETH Zurich, Switzerland
Sarantos Kapidakis, ICS-FORTH, Greece
Petros Kavassalis, MIT, USA
Martin Kersten, CWI, The Netherlands
Judith Klavans, Columbia University, USA
Carl Lagoze, Cornell University, USA
Vali Lalioti, GMD, Germany
Spyros Lalis, University of Crete, Greece
Chung-Sheng Li, IBM-T.J. Watson Research Center, USA
Clifford A. Lynch, Coalition for Networked Information, USA
Jeff Mackie-Mason, University of Michigan, USA

VIII Organisation

Manolis Marazakis, ICS-FORTH, Greece
Vaggelis Markatos, University of Crete & ICS-FORTH, Greece
A. Desai Narasimhalu, National University of Singapore, Singapore
Erich J. Neuhold, GMD, Germany
Christos Nikolaou, University of Crete & ICS-FORTH, Greece
Ann Okerson, Yale University, USA
Andreas Paepcke, Stanford University, USA
Stavros Papadakis, ICS-FORTH, Greece
Nicholas Patrikalakis, MIT, USA
Carol Peters, IEI-CNR, Italy
Manolis Prastakos, IACM, Greece
Jakka Sairamesh, IBM-T.J. Watson Research Center, USA
Peter Schauble, ETH Zurich, Switzerland
Antonis Sidiropoulos, ICS-FORTH, Greece
Eric Simon, INRIA, France
Ingeborg T. Solvberg, University of Science and Technology, Norway
Constantine Stephanidis, ICS-FORTH, Greece
Shigeo Sugimoto, University of Library and Information Science, Japan
Costantino Thanos, IEI-CNR, Italy
Ulrich Thiel, GMD-IPSI, Germany
Panos Trahanias, University of Crete & ICS-FORTH, Greece
George Tziritas, University of Crete & ICS-FORTH, Greece
Stella Vourou, University of Crete & ICS-FORTH, Greece
Pubudu Wariyapola, MIT, USA
Stuart Weibel, OCLC, USA

Sponsoring Institutions

The Second European Conference on Research and Advanced Technology for Digital Libraries wishes to thank the following organisations for their support:

- IEEE Computer Society, USA
- Lambrakis Research Foundation, Greece
- Hellenic Telecommunication Organisation (OTE), Greece
- FORTHnet, Greece
- General Secretariat for Research and Technology, Ministry for Development, Greece
- INTRACOM, Greece
- CaberNet, UK
- Air Greece, Greece
- Swets, The Netherlands
- Ergodata, Greece



<http://www.springer.com/978-3-540-65101-7>

Research and Advanced Technology for Digital Libraries
Second European Conference, ECDL'98, Heraklion,
Crete, Greece, September 21-23, 1998, Proceedings
Nikolaou, C.; Stephanidis, C. (Eds.)
1998, XXX, 918 p., Softcover
ISBN: 978-3-540-65101-7