

# Table of Contents

## Invited Talks

Challenges for the Web: Universality and Scability .....	1
<i>Jean-François Abramatic</i>	
The UC Berkeley Digital Library Project: Re-thinking Scholarly Information Dissemination and Use .....	2
<i>Robert Wilensky</i>	

## Papers

### Image Categorisation and Access

Image and MetadataF Distribution at Seven University Campuses: Reports from a Study of the Museum Educational Site Licensing Project ...	3
<i>Howard Besser and Rosalie Lack</i>	
Text-Based Approaches for the Categorization of Images .....	19
<i>Carl L. Sable and Vasileios Hatzivassiloglou</i>	
Metadata for Photographs: From Digital Library to Multimedia Application	39
<i>Anne-Marie Vercoustre and François Paradis</i>	

### Audio and Video in Digital Libraries

Audiovisual Cultural Heritage: From TV and Radio Archiving to Hypermedia Publishing .....	58
<i>Gwendal Auffret and Bruno Bachimont</i>	
An Indexing, Browsing, Search and Retrieval System for Audiovisual Libraries .....	76
<i>Jane Hunter and Jan Newmarch</i>	
Music Structure Analysis and Its Application to Theme Phrase Extraction	92
<i>Atsuhiro Takasu, Takashi Yanase, Teruhito Kanazawa and Jun Adachi</i>	

### Information Retrieval

Effectiveness of Keyword-Based Display and Selection of Retrieval Results for Interactive Searches .....	106
<i>Ezio Berenci, Claudio Carpineto, Vittorio Giannini and Stefano Miz-zaro</i>	

Towards More Effective Techniques for Automatic Query Expansion . . . . .	126
<i>Claudio Carpineto and Giovanni Romano</i>	
Predicting Indexer Performance in a Distributed Digital Library . . . . .	142
<i>Naomi Dushay, James C. French and Carl Lagoze</i>	

## User Adaptation

Design Guidelines and User-Centred Digital Libraries . . . . .	167
<i>Yin Leng Theng, Elke Duncker, Norliza Mohd-Nasir, George Buchanan and Harold Thimbleby</i>	
User Profile Modeling and Applications to Digital Libraries . . . . .	184
<i>Giuseppe Amato and Umberto Straccia</i>	
Using and Evaluating User Directed Summaries to Improve Information Access . . . . .	198
<i>Manuel J. Maña López, Manuel de Buenaga Rodriguez and José Maña Gómez Hidalgo</i>	

## Knowledge Sharing

Pharos, a Collaborative Infrastructure for Web Knowledge Sharing . . . . .	215
<i>Vincent Bouthors and Olivier Dedieu</i>	
Integrating Ontologies and Thesauri to Build RDF Schemas . . . . .	234
<i>B. Amann and I. Fundulaki</i>	
Dynamic Use of Digital Library Material - Supporting Users with Typed Links in Open Hypermedia . . . . .	254
<i>Klaus Marius Hansen, Christian Yndigegn and Kaj Gronbaek</i>	

## Cross Language

Disambiguation Strategies for Cross-Language Information Retrieval . . . . .	274
<i>Djoerd Hiemstra and Franciska de Jong</i>	
Crosslingual Interrogation of Multilingual Catalogs . . . . .	294
<i>C. Fluhr, D. Schmit, C. Andrieux, Ph. Ortet, F. Bisson and V. Combet</i>	
Term Similarity-Based Query Expansion for Cross-Language information retrieval . . . . .	311
<i>Mirna Adriani and C. J. van Rijsbergen</i>	

## Case Studies

The SOMLib Digital Library System . . . . .	323
<i>Andreas Rauber and Dieter Merkl</i>	

Developing a European Technical Reference Digital Library .....	343
<i>Antonella Andreoni, Maria Bruna Baldacci, Stefania Biagioni, Carlo Carlesi, Donatella Castelli, Pasquale Pagano and Carol Peters</i>	

Issues in the Development and Operation of a Digital Library .....	363
<i>Sarantos Kapidakis</i>	

## **Modelling, Accessibility and Connectness**

Declarative Specification of Z39.50 Wrappers Using Description Logics ...	383
<i>Yannis Velegarakis, Vassilis Christophides and Panos Constantopoulos</i>	

PIA - a Generic Model and System for Interactive Product and Service Catalogs .....	403
<i>Florian Matthes and Ulrike Steffens</i>	

Representing Scholarly Claims in Internet Digital Libraries: A Knowledge Modelling Approach .....	423
<i>Simon Buckingham Shum, Enrico Motta and John Domingue</i>	

The Small World Web .....	443
<i>Lada Adamic</i>	

Soda: Smart Objects, Dumb Archives .....	453
<i>Michael L. Nelson</i>	

<b>Appendix of French Abstracts .....</b>	<b>465</b>
---	------------

<b>List of Demonstrations .....</b>	<b>495</b>
-------------------------------------	------------

<b>Author Index .....</b>	<b>497</b>
---------------------------	------------

Research and Advanced Technology for Digital Libraries  
Third European Conference, ECDL'99, Paris, France,  
September 22-24, 1999, Proceedings  
Abiteboul, S.; Vercoustre, A.-M. (Eds.)  
1999, XII, 504 p., Softcover  
ISBN: 978-3-540-66558-8