



Platinum Jubilee Series

Statistical Science and
Interdisciplinary Research — Vol. 10

Multimedia Information Extraction and Digital Heritage Preservation

Editors

**Usha Mujoo Munshi
Bidyut Baran Chaudhuri**

Series Editor: Sankar K. Pal



Contents

<i>Foreword</i>	v
<i>Preface</i>	vii
1. Motivating Ontology-Driven Information Extraction <i>Burcu Yildiz and Silvia Miksch</i>	1
2. Ontology Based Access of Heritage Artifacts on the Web <i>Santanu Chaudhury and Hiranmay Ghosh</i>	21
3. Semantic Integration of Classical and Digital Libraries <i>S. Thaddeus, A. Jeganathan, Gracy T. Leema</i>	51
4. Low-level Visual Features with Semantics-based Image Retrieval <i>V.P. Subramanyam Rallabandi</i>	67
5. Narrowing the Semantic Gap in Image Retrieval: A Multimodal Approach <i>William I. Grosky and Rajeev Agrawal</i>	89
6. Challenges in the Recognition and Searching of Printed Books in Indian Languages and Scripts <i>R. Manmatha and C.V. Jawahar</i>	119
7. Construction and Statistical Analysis of an Indic Language Corpus for Applied Language Research <i>Prasenjit Majumder, Mandar Mitra and B.B. Chaudhuri</i>	137

8. Heritage Preservation in Digital Way — A Contemporary Research Issue	155
<i>A. Chatterjee and S.G. Dhande</i>	
9. Digitising European Renaissance Prints — A 3-year Experiment on Image and Text Retrieval	169
<i>Marie-Luce Demonet</i>	
10. Measuring Document Similarity with Information Retrieval Techniques	187
<i>Sudip Sanyal</i>	
11. Intinno: A Web Integrated Digital Library and Learning Content Management System	205
<i>Udit Sajjanhar, Mayank Jain, Arpit Jain and Pabitra Mitra</i>	
12. A Radiologist's Digital Workbench: Balancing Representation and Access Challenges for Medical Images	217
<i>Mayank Agarwal and Javed Mostafa</i>	
13. A Conceptual Model Metadata of Thai Palm Leaf Manuscripts	243
<i>Nisachol Chamnongsri, Lampang Manmart, Vilas Wuwongse and Elin K. Jacob</i>	
14. Techniques for Extraction of Metadata from Heritage Documents	261
<i>Ratna Sanyal</i>	
15. Adaptable Records: Making Heritage Information Accessible to All	281
<i>Liddy Nevile</i>	
16. An African Perspective on Digital Preservation	295
<i>Hussein Suleman</i>	

17.	nestor and kopal – Co-operative Approaches to Digital Long-term Preservation in Germany <i>Thomas Wollschläger</i>	307
18.	Preserving the Past — Towards the Digitization of German Cultural Heritage <i>Thomas Stäcker</i>	321
19.	Establishing Trust in Digital Repositories <i>Bruce Ambacher</i>	341
20.	Issues of Scale and Storage in Digital Preservation <i>Richard Wright</i>	361
	Index	381