

Table of Contents

Keynote

Application of New Media in the University

Katsuo Ikeda (Kyoto University, Japan) 1

Invited Papers

Beginning and Development of Digital Library in National Library of China

Sun Chengjian, Zhen Xihui (National Library of China, China) 8

International Library of Children's Literature and its Digital Library

– Overview of the Projects for the National Center of Children's Literature

Hiroshi Sakamoto (National Diet Library, Japan) 13

The Dublin Core Metadata Initiative: None of us is as smart as all of us

Stuart Weibel (OCLC, USA) 19

Metadata in a European Perspective

Makx Dekkers (PricewaterhouseCoopers Technology Consultants, Luxembourg) 24

Navigation in Electronic Environments

Stephen C. Hirtle (University of Pittsburgh, USA) 27

What are Information Professionals Doing to Help Users of the Scholarly Literature?

Fytton Rowland (Loughborough University, UK) 32

Augmenting Library Services: Toward the Sharium

Gary Marchionini (University of North Carolina at Chapel Hill, USA) 40

A Vision for a National SMETE Digital Library (NSDL)

C. Dianne Martin (National Science Foundation, USA) 48

Expanding Digital Library Research: Media, Genre, Place and Subjects

Michael Lesk (National Science Foundation, USA) 51

Cross-Lingual Informaion Access and its Evaluation

Noriko Kando (NACSIS, Japan) 58

Digital Libraries in Japan and at ULIS

Shigeo Sugimoto (ULIS, Japan) 66

Regular Papers

Construction of a Distributed Online Journal Editing System

Keizo Oyama, Noriko Kando, Shin'ichi Satoh (NACSIS, Japan) 74

NetLibra: Toward Networking Library Systems

Tomohiro Kokogawa*, Mitsuhiro Yuitou*, Masakazu Nishino*, Yoshiaki Seki†

(* NTT-West Research and Development Center, Japan;

† NTT-East Research and Development Center, Japan) 82

Structured Course Objects in a Digital Library

K. Maly, M. Zubair, X. Liu, M. Nelson, S. Zeil (Old Dominion University, USA) 89

For Internet Minority Languages – A Metadata Format to Include all the Language Cultures

Kazushi Ohya, Syun Tutiya (Chiba University, Japan) 97

A Study of How to Generate the DC Metadata Set for Digital TV Program

Kazuo Haraoka, Kazuhiko Takabayashi

(Information Broadcasting Laboratories, Inc., Japan) 104

Towards Computation with RDF Elements	
Chutiporn Anutariya*, Vilas Wuwongse*, Ekawit Nantajeewarawat†, Kiyoshi Akama‡	
(* Asian Institute of Technology, Thailand; † Thammasat University, Thailand;	
‡ Hokkaido University, Japan)	112
Sedis: Agent-based Selective Distribution System Using Hybrid Information Filter	
Yusuke Ariyoshi (NEC Corp., Japan)	120
Toward Automatic Generation of Web Directories	
Satoshi Sato*, Madoka Sato† (* JAIST, Japan; † Kanazawa Gakuin University, Japan)	127
Methods of Extracting Year References for Chronological-table-generating Text Searching	
Yasusi Kanada (Hitachi Ltd., Japan)	135
 Short Papers	
Distributed Digital Lecture Archive System: Model and Implementation	
Rei S. Atarashi, Hideki Sunahara (Nara Institute of Science and Technology, Japan)	143
XML Representation of a Sheet Music for Chorus	
Jounghoon Kim, Sunho Kim, Jinseok Chae (University of Inchon, Korea)	147
On Contextual Queries for XML Documents Using Namespaces	
Hiroko Kinutani, Masatoshi Yoshikawa, Yohei Yamamoto, Takahiro Morimoto,	
Shunsuke Uemura (Nara Institute of Science and Technology, Japan)	151
Interface for the Personalization of the Digital Library	
Champa Jayawardana, K. Priyantha Hewagamage, Masahito Hirakawa, Tadao Ichikawa	
(Hiroshima University, Japan)	155
Multi-perspective Ranking and Visualization of Web Data	
Mei Kobayashi, Georges Dupret, Oliver King, Hikaru Samukawa, Kohichi Takeda	
(IBM Japan Ltd., Japan)	159
Internet Public Access in Public Libraries: the Additional Role toward Information Society	
Chikako Hirota (Aichi Shukutoku University, Japan)	163
Author Index	167
Keyword Index	168