GLOBAL DIGITAL LIBRARY DEVELOPMENT
in the New Millennium
Fertile Ground for Distributed Cross-Disciplinary Collaboration

Edited by

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TOPICS INCLUDED:

- National information infrastructure and policies
- Use of this and Next Generation Internets
- Digital libraries and systems: Changing roles, collaboration, and exploration
- Collaborative research activities
- Network development and digital library architecture
- Knowledge management
- Interoperability and scalability technology issues
- Multiformat, multilingual problems and issues
- Multimedia content-based retrieval
- Ontology and Intelligent agents
- Metadata techniques and tools
- Preservation and archiving of digital information
- Social, economic, and legal issues of digital libraries
- Education and training in information technology
- Digital libraries and consortium development
- Distance learning and the use of distributed digital libraries
- Distributed digital library development in the world
- Intellectual property and right protection

A major publication resulted from *NIT 2001*:

The 12th International Conference on New Information Technology, Tsinghua University Beijing, China, May 29-31, 2001, organized by Ching-chih Chen. It provides one of the most up-to-date accounts on global digital library development at this time. It includes more than 60 papers from over 15 countries in over 550 pages.
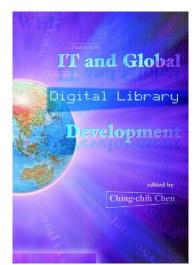
Papers include:

- **Agogino, Alice, Andy Dong, et al, UC Berkeley -** The development of a National Science, Mathematics, Engineering and Technology Education Digital Library
- **Ching-chih Chen, Simmons College -** NIT (then, now and tomorrow) and its impact on global digital library development, Chinese Memory (*CMNet*), and beyond
- **Ed Fox, Virginia Tech -** Terabyte scale multilingual digital library services and harvesting from open archives
- **Wen Gao et al, Chinese Academy of Science -** Framework of content-based multimedia retrieval for digital library
- **Maurita Peterson Holland and Kari R. Smith, University of Michigan -** What the digital library doesn't tell you
- **Jay Jordan and T. Hickey, OCLC -** Metadata trends
- **Ronald L. Larsen, University of Maryland -** Information Dynamics: An information centric approach to digital library interoperability
- **Xing Li, Chinese Education and Research Network (CERNET), and Jie An -** CERNET infrastructure and digital library challenges
- **Hermann Maurer, Graz University of Technology -** Beyond classical digital libraries
- **Reagan W. Moore, San Diego Supercomputer Center -** Knowledge-based data management for digital libraries
- **Makoto Nagao, Kyoto University, Japan -** Elements for the digital library development
- **Janet K. Poley, American Distance Education Consortium -** Digital learning and libraries: Toward consortia and collaboratories
- **David Raitt, The Electronic Library -** From print to electronic information
- **David Ruddy, Cornell University -** The Cornell digital library and scholarly communications: New models in electronic publication
- **Terry R. Smith, UC Santa Barbara -** The Alexandria Digital Library Project
- **Constantino Thanos, DELOS, Pisa, Italy -** DELOS: A network of excellence on digital libraries
- **Howard D. Wactlar, Carnegie Mellon University -** Multi-document summarization and visualization in the informedia digital video library
- **Robin Williams, Almaden Research Center, San Jose, CA -** Content management systems
- **Heping Zhou, Ministry of Culture, China -** The planning and implementation of China Digital Library Program
- **Hong-Jiang Zhang et al, Microsoft Research, Beijing -** Relevance feedback in content-based image search

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Companion Volume:

IT and Global Digital LibraryDevelopment,

edited by Ching-chih Chen

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