

NIT '99:

11th International Conference on New Information Technology

for Library & Information Professionals, Educational
Media Specialists and Technologists

August 18-20, 1999

National Central Library, Taipei, Taiwan, ROC

PROGRAM

August 18, 1999, Wednesday

8:00 - 8:50 Registration

8:50 - 10:15

OFFICIAL OPENING OF CONFERENCE

Welcome

Dr. Fang-Rung Juang

Director, National Central Library, Taipei, Taiwan

Dr. Margaret C. Fung

President, Library Association of China
Local Conference Chair

NIT Conferences - Then, Now, and Tomorrow

Dr. Ching-chih Chen

Professor, GSLIS, Simmons College, Boston, MA, USA
Chief Conference Organizer

Opening Speeches

Special Guests

10:15 - 10:45 **KEYNOTE 1**

**Moderator: Margaret C. Fung, Library Association of
China, Taipei, Taiwan**

NII, GII, and NGI and IT*2 Initiatives: Implications to
the Digital Library Development in the US
Ching-chih Chen, Simmons College, Boston, MA, USA

10:45 - 11:15

DEVELOPMENT OF NATIONAL INFORMATION INFRASTRUCTURE AND POLICIES

Moderators: *Robert M. Hayes*, University of California at
Los Angeles, CA, USA; *James S. Hu*, National Taiwan
University, Taipei, Taiwan

The Development of National Information
Infrastructure in the ROC

Yun Kuo, Institute for Information Industry, Taipei,
Taiwan

The Development of National Library/
Information Policy for the ROC

Margaret C. Fung, Library Association of China; *Mei-Mei
Wu*, National Normal University; and *Chia-Ning Chiang*,
National Central Library, Taipei, Taiwan

National Strategy in Preparing Latvian Libraries for
the New Millennium

Andris Vilks, National Library of Latvia, Riga, Latvia

11:15 - 11:30 **Coffee Break**

11:30 - 12:30

THE USE OF THIS AND NEXT GENERATION INTERNETS

Moderators: *Nancy Kranich*, New York University
Libraries, NY, USA, and President-Elect, American
Library Association; *Chen Wen-Sheng*, National
Kaohsiung First University of Science & Technology,
Kaohsiung, Taiwan

The Spring of 2005: Four Visions on Internet Services

Ted Ho, Institute for Information Industry and *Chia-Ning
Chiang*, National Central Library, Taipei, Taiwan

New Opportunities with Technology at the Vietnam
National University of Hanoi

Nguyen Huy Chuong, National University of Hanoi,
Hanoi, Vietnam

Global Information Service and Resource Sharing: A
Shared Vision for the 21st Century

Peter Zhou, University of Pittsburgh, PA, USA

Taiwan's Next Generation Research Networking

Ken-Hsien Lin and *Ruey-Beei Wu*, National Center for
High Performance Computing, Hsin-chu, Taiwan

12:30 - 13:45 **Lunch**

13:45 - 14:45

DIGITAL LIBRARIES AND SYSTEMS: CHANGING ROLES, COLLABORATION, AND EXPLORATION

Moderators: *David Raitt*, The Electronic Library, Oegstgeest,
The Netherlands; *Chan-Chiao Yang*, National Taiwan
University of Science & Technology, Taipei, Taiwan

Building a Digital Library: Collaboration for the 21st Century

Nancy Kranich, New York University Libraries, NY, USA and American Library Association

Changing Environment, Changing Roles: Libraries in the New Millennium

Paul Poon, City University of Hong Kong, Hong Kong

National Library in the Era of Digital Libraries: The Remote Access/Delivery of the National Central Library

Chien-Cheng Sung and *Bao-Mei Jeng*, National Central Library, Taipei, Taiwan

Exploration of Practical Approaches for Personalized Library and Networked Information Service

Hsiao-Tieh Pu and *Sung-Chien Lin*, Shih Hsin University, Taipei; and *Lee-Feng Chien* and *Yun-Fang Juan*, Academia Sinica, Taipei, Taiwan

14:45 - 15:15 **KEYNOTE 2**

Moderator: *Lim Hong Too*, Library and Information Technology Association of Singapore and Local Chair, NIT '89

Libraries and Librarians in Transition: The Impact of Digital Library Services on Society, Librarians and Bibliographic Control

Michael Gorman, State University of California at Fresno, Fresno, CA, USA; President, Library and Information Technology Association

15:15 - 15:30 **Afternoon Break**

15:30 - 16:15

NETWORKS - GLOBAL, NATIONAL, AND LOCAL

Moderators: *Sung Yu*, National Central Library, Taipei, Taiwan; *Thomas Wilson*, University of Houston, TX, USA

Cluster Power: Library Networking in the Electronic Information Age

Win Shih, Saint Louis University, Saint Louis, MO, and *Philip Tsai*, Loyola University of Chicago, IL, USA

An Environmental Information Network for Cameroon: Need, Functions and Implementation Strategy

Isola S.Y. Ajiferuke, University of Botswana, Gaborone, Botswana, and *Alphonsus Neba*, University of Ibadan, Ibadan, Nigeria

New Century, New Appearance: National Parliamentary Library, Legislative Yuan

Karl Min Ku, National Parliament Library, Taipei, Taiwan

16:15 - 17:15

MANAGING, EDUCATING/TRAINING IN INFORMATION TECHNOLOGY

Moderators *Lois Chan*, University of Kentucky, Lexington, KY, USA; *Mei-Hua Yang*, National Chengchi University, Taipei, Taiwan

A Management Model for Managing Information Technology in Academic Information Services

Marinus Swanepoel, Technikon Pretoria, Pretoria, South Africa

Integrating Network-enabled Digitized Collection with Traditional Services: Brewing a Heady Cocktail at the IIT Delhi

Jagdish Arora, Indian Institute of Technology, New Delhi, India

Financing the Electronic Library

Diane R. Tebbets, University of New Hampshire, Durham, NH, USA

Training Reference Staff in the New Information Technologies: A Comparative Study of Libraries in China and New Zealand

Rowena Cullen, Victoria University of Wellington, Wellington, New Zealand and *Cheng Huanwen*, Zhongshan University, Quanzhou, China

EVENING

18:00 - 21:00 **Reception** at the National Central Library.

August 19, 1999, Thursday

8:00 - 9:00 Registration

9:00 - 9:30 **KEYNOTE 3**

Moderator: *Ping-Tsan Chang*, Institute for Information Industry, Taipei, Taiwan

The Economics of Digital Libraries: The Markets and Values to the Users

Robert M. Hayes, University of California at Los Angeles, CA, USA

9:30 - 10:45

ELECTRONIC PUBLISHING AND CONSORTIA DEVELOPMENT

Moderators: *Michael Gorman*, State University of California at Fresno, Fresno, CA, USA; President, Library and

Information Technology Association; *Hung-Chu Huang*, Tamkang University, Taipei, Taiwan;

Helena F. Rodrigues, Johnson Wales University, Providence, RI, USA

Electronic Journals and the Scholarly Communication Process: Present and Future
Rush Miller, University of Pittsburgh, PA, USA

12:15 - 13:30 **Lunch**

Digital Library Initiative at the Nanyang Technological University
Foo Kok Pheow and *Hazel Loh*, Nanyang Technological University, Singapore

13:30 - 14:15

DIGITAL LIBRARY MARKET PLACE, USE/USERS AND TECHNOLOGY EXPLOITATION

Moderators: *Hao-Ing Fang*, National Chung-Hsing University, Tainan, Taiwan; *Marinus Swanepoel*, Technikon Pretoria, Pretoria, South Africa, and Local Chair, NIT '96

The Consortium of Core Electronic Resources in Taiwan: A Case Study of Sharing Electronic Resources
Hao-Ren Ke and *Ruei-Chuan Chang*, National Chiao Tung University, Hsin-chu, Taiwan; and *Ching-lung Liu*, Science and Technology Information Center, NSC, Taipei, Taiwan

The Future Development of Digital Library and Information Marketplace in Taiwan
Gary Gong and *Pei-wen Liu*, Institute for Information Industry, Taipei, Taiwan

A Case Study of Establishing Web-Based Online Electronic Resources
Hao-Ren Ke, National Chiao Tung University, Hsinchu, Taiwan; and *Ming-Jiu Hwang*, Science and Technology Information Center, NSC, Taipei, Taiwan

Digital Libraries: User Studies
Shan-ju Lin Chang and *Mu-hsuan Huang*, National Taiwan University, Taipei, Taiwan

The Maze of Electronic Journals in Digital Libraries
Taemin Kim Park, Indiana University Libraries, Bloomington, IN, USA

Exploitation of Information Processing Technologies to Extend Digital Library Applications
Yen-Jen Oyang, National Taiwan University, Taipei, Taiwan

10:45 - 11:00 **Coffee Break**

14:15 - 14:45 **KEYNOTE 4**
Moderator: *Rush Miller*, University of Pittsburgh, PA, USA

DISTANCE LEARNING AND WEB-BASED EDUCATION

Moderators: *Rowena Cullen*, Victoria University of Wellington, Wellington, New Zealand; *Wu Min-der*, National Taiwan University

The 5S Framework for Digital Libraries and Two Case Studies: NDLTD and CSTC
Edward A. Fox, Virginia Tech, Blacksburg, VA, USA

Promoting Distance Learning: Present and Future
Lih-Shyang Chen, Ministry of Education, Taipei, Taiwan

14:45 - 15:00 **Afternoon Break**

The Role of the Digital Library in Support of Distance Learning: Remote Opportunities
Ann L. Kelsey and *John M. Cohn*, County College of Morris, Randolph, NJ, USA

INFORMATION CREATION, PRESERVATION/ CONSERVATION, RETRIEVAL IN THE DIGITAL AGE

Moderators: *Shih-Shiung Huang*, Tamkang University, Taipei, Taiwan; *Andris Vilks*, National Library of Latvia, Riga, Latvia and Local Chair, NIT '95

Reinventing Librarianship to Meet the Challenges of the Information Age: A Trail-Blazing Experience
Zehao Zhou, York College of Pennsylvania, York, PA, USA

Preserving Newspaper in the Digital Era
Yu-Lan Margaret Chou, University of California at Berkeley, CA, USA

A Study of a Web-based Distance Tutorial Program
Bor-sheng Tsai, Pratt Institute, Brooklyn, NY, USA

A Case Study in the Development of a Large-Scale Digitization Project: Scanning 22 Million Images From An Early English Books Collections
Austin McLean, Bell and Howell Information and Learning, Ann Arbor, MI, USA

Implications of the Digital Millennium Copyright Act on Distant Library Users

Chinese Search Engines for Chinese Information Retrieval on the Internet: Search Capabilities, Retrieval Performances and Evaluation Criteria
Shaoyi He, Long Island University, Brookville, NY, USA

A Statistical Study of the Size and Contents of the Chinese Language Web-Based Digital Library
Ziyu Lin, Seton Hall University, South Orange, NJ, USA

Exploratory Development of Information Retrieval Systems at STIC
Shiu-Shing Chang, Science and Technology Information Center, NSC, Taipei, Taiwan

16:15 - 17:00

METADATA PROBLEMS AND ISSUES

Moderators: *Edward A. Fox*, Virginia Tech, Blacksburg, VA, USA; *Paul Poon*, City University of Hong Kong, Hong Kong

Providing Subject Data in the Dublin Core Metadata Record: Issues, Challenges, and Strategies
Lois Chan, University of Kentucky, Lexington, KY, USA

Metadata Interchange for Chinese Information
Hsueh-hua Chen, National Taiwan University; *Chao-chen Chen*, National Taiwan Normal University; and *Kuang-hua Chen*, National Taiwan University, Taipei, Taiwan

Stepping into the Standard: A Thesaurus for Australian Agricultural Extension Information
Ling Heang, Kondinin Group, Cloverdale, W. Australia

17:00 - 17:30

GROUP DISCUSSIONS AND Q/A - Session 1

EVENING

18:00 - 21:00 *Conference Banquet*

August 20, 1999, Friday

8:45 - 9:15

METADATA PROBLEMS AND ISSUES (Continued)

The Application of EAD in Chinese Archives: A Preliminary Test
Li-Kuei Hsueh, National Cheng-Chi University, Taipei, Taiwan

The World Wide Web as Library: The Challenge of Document Stability to Metadata and Information Representation

Wallace Koehler, University of Oklahoma, Norman, OK, USA

9:15 - 9:45 **KEYNOTE 5**

Moderator: *Diane R. Tebbetts*, University of New Hampshire, Durham, NH, USA

European Developments in Digital Libraries
David Raitt, The Electronic Library, Oegstgeest, The Netherlands

9:45 - 11:15

DIGITAL LIBRARY/MUSEUM DEVELOPMENT IN TAIWAN

Moderators: *Ching-chih Chen*, Simmons College, Boston, MA, USA; *Rosa Vallejo*, National Commission on Culture and the Arts, Quezon City, Philippines

NSC Digital Museum Project: Positioning and Prospects
San-Cheng Chang, National Science Council, Taipei, Taiwan

The Development of Digital Library/Museum in Academia Sinica
Ching-Chun Hsieh, *Simon C. Lin*, *Eric Yen*, and *Mon-Yuan Chang*, Academia Sinica, Taipei, Taiwan

Developing the National Palace Digital Museum
Shun-tzu Tsai, National Palace Museum, Taipei, Taiwan

Overview of a Digital Museum of Taiwanese Butterflies
Jieh Hsiang and *Jen-Shin Hong*, National Chi-Nan University, Pu Lee, Nantou, Taiwan

The Tsing-Hua Web-based Knowledge Park: Vision of the First Virtual Educational Park in Taiwan
Li-Ping Chen and *Yi-Long Huang*, National Tsing-Hua University, Hsinchu, Taiwan

Towards the Digital Music Libraries: An Approach by Content-Based Retrieval
Yuen-Hsien Tseng, Fu-Jen Catholic University, Taipei, Taiwan

11:15 - 11:30 **Coffee Break**

11:30 - 12:15 **GROUP DISCUSSIONS AND Q/A**

12:15 - 12:30 **SUMMARY SESSION**

Drs. Ching-chih Chen, *Margaret C. Fung*, *Robert M. Hayes* and participants.

12:30 - 12:45 **CONCLUDING REMARKS**

Dr. Fang-Rung Juang

Director, National Central Library, Taipei, Taiwan

Mr. C. L. Liu

Director, Scientific and Technical Documentation Center,
National Science Council, Taipei, Taiwan

Dr. Margaret C. Fung

Local Conference Chair, NIT '99

Dr. Ching-chih Chen

Chief Conference Organizer, NIT '99

12:45 - 14:00 Lunch

14:00 - 17:30 Tour to the National Palace Museum
(Pre-registration for this tour is required)

Keep in touch:

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