

PNC 2010 Scientific Program

December 1, 2010

Opening & Keynote Speech & Group Photo

09:00~11:20 December 1, 2010 / Wei Hing Theatre, 6F, Amenities Building

09:00~09:30 **Opening**

Moderator: Chao-Han LIU, Academia Sinica

09:35~10:15 **數字圖書館的發展趨勢**

Yunhe PAN, Chinese Academy of Engineering

Moderator: Way KUO, City University of Hong Kong

10:20~11:00 **TELDAP and Cultural Diversity of Taiwan**

Fan-Sen WANG, Academia Sinica

11:00~11:20 **Group Photo**

The Power of Digitalized Knowledge

11:30~13:00 December 1, 2010 / Room P4704

Moderator: Fan-Sen WANG, Academia Sinica

11:30~12:00 **Republican Beijing in GIS Perspective: What More Can GIS Tell Us?**

Billy Kee-long SO, The Chinese University of Hong Kong

12:00~12:30 **From Digital Contents to the Interpretation of an Architectural History--digital models reconstructed for a traditional house located at a fishing village of Pescadores Islands in Taiwan as examples**

Min-Fu HSU, National Chen Kung University, Taiwan

12:30~13:00 **Heritage Preservation-Oriented Construction of Digital Museums - Tamsui Historic Sites Digital Archives Program as an Example**

Jui-Mao HUANG, Tamkang University, Taiwan

Managing Knowledge Asset (I)

11:30~13:00 December 1, 2010 / Room P4703

Moderator: Louis Chi-wa NG, Leisure and Cultural Service Department (Heritage and Museum), HKSAR

11:30~12:00 **Behind the Scenes of the NPM Digital Archive Project**

James Quo-Ping LIN, National Palace Museum, Taipei, Taiwan

12:00~12:30 **Transform Digital Content to Knowledge Asset**

Yi-Ping HUNG, National Taiwan University

12:30~13:00 **Documenting Heritage and Access to Knowledge**

Hala Nayel BARAKAT, Center for Documentation of Cultural and Natural Heritage (CULTNAT), Egypt

E-Learning – Strategies and Practice

11:30~13:00 December 1, 2010 / Room P4701

- Moderator: Andy CHUN, Chief Information Office, City University of Hong Kong
- 11:30~12:00 **Adoption of e-Learning in Higher Education – Strategies and Issues**
Jer Tsang YU, City University of Hong Kong & Eva WONG, Hong Kong Baptist University
- 12:00~12:30 **The Use of m-Learning Practice for Effective First Year Teaching at College of Business (City University of Hong Kong)**
Ron Chi-Wai KWOK, City University of Hong Kong
- 12:30~13:00 **ePortfolios: Institutional Adoption Strategies**
Hokling CHEUNG, Office of Education Development and General Education, City University of Hong Kong

Knowledge Upon Social Media: Dialogue Between Archives and Services

14:00~15:30 December 1, 2010 / Room P4704

- Moderator: Ching-Teng HSIAO, Research Center for IT Innovation, Academia Sinica
- 14:00~14:20 **When Digital Archives Encounter Digital Natives: The Knowledge Issue**
Shih-Chieh Ilya LI, Mobitek Communication Corp., Taiwan
- 14:20~14:40 **The State of Social Media in Hong Kong**
Charles MOK, Internet Society Hong Kong
- 14:40~15:00 **Social Media and its Implications towards Citizen Journalism**
Oiwan LAM, Global Voices Online
- 15:00~15:20 **Collecting Knowledge in the Wiki Way**
Jeromy-Yu CHAN, Wikimedia Hong Kong
- 15:20~15:30 Discussion

Managing Knowledge Asset (II)

14:00~15:30 December 1, 2010 / Room P4703

- Moderator: Gregory B. LEE, College of Humanities and Social Sciences, City University of Hong Kong
- 14:00~14:30 **Record of Chinese Maritime Custom and Cultural Atlas** Takeshi HAMASHITA, School of Asia-Pacific Studies, Sun Yat-Sen University, Guangzhou
- 14:30~15:00 **Chinese banking archives and museums: the case of Bank of China**
Pui Tak LEE, Centre of Asian Studies, University of Hong Kong
- 15:00~15:30 **Archives of the Lyon Sino-French Institute: Research Project, Cultural Heritage and Digitization**
Florent VILLARD, Chinese and Transcultural Studies, University of Lyon (Jean Moulin)

Academic Assessment Strategies for e-Portfolio

14:00~15:30 December 1, 2010 / Room P4701

- Moderator: Toshiyuki YAMAMOTO, Center for Teaching and Learning, Kansai University, Japan
- 14:00~14:20 **Examples of Assessment Implementation in e-Portfolio**
Toshiyuki YAMAMOTO, Center for Teaching and Learning, Kansai University, Japan
- 14:20~14:40 **Examples of Assessment Implementation in e-Portfolio: Manaba-Folio**
Takashi TAKEKAWA, Asahi-NET, Inc., Japan
- 14:40~15:00 **KIT Portfolio Intelligence: The quality control in academic advising as well as FD is a part of e-Portfolio Enterprise**
Minoru NAKAZAWA, Dept. of Information and CS, Kanazawa Institute of Technology, Japan
- 15:00~15:20 **How to make the assessment for e-Portfolio successful?**
Gregory MARTIN, Oracle, Australia
- 15:20~15:30 Discussion

Biodiversity Database Integration

16:00~17:30 December 1, 2010 / Room P4704

- Moderator: Kwang-Tsao SHAO, Biodiversity Research Center, Academia Sinica
- 16:00~16:20 **Biodiversity Data Integration in Taiwan and Linkages with Global Databases**
Kwang-Tsao SHAO, Biodiversity Research Center, Academia Sinica
- 16:20~16:40 **Fish Collections in China and Digitization of Fish Collection at Institute of Zoology, Chinese Academy of Sciences**
Chun-Guang ZHANG, Institute of Zoology, Chinese Academy of Sciences
- 16:40~17:00 **Research History and Collections of Hong Kong Fishes – Status and Perspectives**
Dee-Hua CHONG, Ichthyological Society of Hong Kong
- 17:00~17:20 **Research and Status of Taiwan Fishes Diversity and Database**
Yung-Chang LIN, Biodiversity Research Center, Academia Sinica
- 17:20~17:30 Discussion

Korean Classic Collections and its Content Management

16:00~17:30 December 1, 2010 / Room P4703

- Moderator: Pei-kai CHENG, Chinese Civilisation Centre, City University of Hong Kong
- 16:00~16:20 **The practice of Korean studies data DB construction and the case of '戶籍中草' data construction**
Dong-jun KIM, Jeju National University, Korea
- 16:20~16:40 **The pioneer of Korean anthology index work Yoon Namhan and 雜著記說類記事索引**
Chang-won JUNG, Jeju National University, Korea
- 16:40~17:00 **Publication and the Collection of photographic edition books in Korea**
Jeong-hee HAN, Kyunggin Publishing Co., Korea

17:00~17:20 **Accomplishments and Pathfinding in the Digitization of Kyujanggak Collection**
Seoul National University
Soochang OH, The Kyujanggak Institute for Korean Studies (KIKS), Seoul University,
Korea

17:20~17:30 Discussion

Climate Change Knowledge Asset

16:00~17:40 December 1, 2010 / Room P4701

Moderator: Anond SNIDVONGS, START Southeast Asia Regional Research Center, Chulalongkorn
University, Thailand

16:00~16:25 **Moving from Climate Information to Climate Knowledge**

Iin Ho YOO, APEC Climate Center (APCC)

16:25~16:50 **Title: TBA**

Johnny C. L. CHAN, School of Energy and Environment, City University of Hong Kong

16:50~17:15 **IT for Community Water Resource Management: Successful Case from Ban
Limthong Community**

Royboon RASSAMEETHES, Hydro and Agro Informatics Institute (HAI), Thailand

17:15~17:40 **Taiwan's Engagement in Regional Global Change Activities**

Jough-Tai WANG, National Central University, Taiwan

December 2, 2010

Keynote Speech

09:00~11:10 December 2, 2010 / Room LT16

Moderator: Der-Tsai LEE, Research Center for Information Technology Innovation, Academia Sinica

09:05~10:05 **The Open Influence: Towards an Ecology of Abundance**

M.S. Vijay KUMAR, Office of Educational Innovation and Technology, Massachusetts Institute of Technology, USA

Moderator: Lewis LANCASTER, Electronic Cultural Atlas Initiative (ECAI), UC Berkeley, USA

10:10~11:10 **Immersive Strategies for the Embodiment of Culture and Heritage**

Jeffrey SHAW, School of Creative Media, City University of Hong Kong

ECAI Updates: Visualization and Virtual Systems in Digital Humanities

11:30~13:00 December 2, 2010 / Room P4704

Moderator: Jeanette ZERNEKE, Electronic Cultural Atlas Initiative (ECAI), UC Berkeley, USA

11:30~11:50 **Digital Documentation of Excavations- Buddhist Site at Kankanahalli**

D. DAYALAN, Archaeological Survey of India

11:50~12:10 **The "Digital Atlas on the History of Europe since 1500" - A Progress Report**

Andreas KUNZ, Institute of European History, Section World History

12:10~12:30 **Developing Visual Analytics for Text Data**

Jonathan WEBSTER, John LEE, and Joe CHAN, Department of Chinese Translations and Linguistics of City University of Hong Kong

12:30~12:50 **Data-driven visualization of Chichen Itza for immersive full dome theater**

Kevin CAIN & Antonio HUI, Institute for the Study and Integration of Graphical Heritage Techniques

12:50~13:00 Discussion

Cultivating Cultural Heritage with Information Technology

11:30~13:00 December 2, 2010 / Room P4703

Moderator: W. T. POON, University Librarian, University of Macau

11:30~12:00 **Application of digital technology in the study of cultural heritage**

Tuvdendorj GALBAATAR, Mongolian Academy of Sciences

12:00~12:30 **Preservation and accessibility of the multimedia resources of the Central University Of Tibetan Studies**

Oleg RINCHINOV, Institute of Mongolian, Buddhist and Tibetan Studies, Ulan-Ude, Russia

12:30~13:00 **Safeguarding of the Intangible Cultural Heritage in Hong Kong**

Hing-wah CHAU, Hong Kong Heritage Museum

Lexical Semantics and Multilingual Thesaurus Construction

11:30~13:00 December 2, 2010 / Room P4701

Moderator: Der-Tsai LEE, Research Center for Information Technology Innovation, Academia Sinica

11:30~11:50 **Studies on Cognitive Variation in the Chinese Language Across the Taiwan Straits**

Benjamin TSOU, Language Information Science Research Centre, City University of Hong Kong

11:50~12:10 **Constructing Cross-language Ontological and Lexical Resources**

Shu-Kai HSIEH, Institute of Linguistics, National Taiwan University

12:10~12:30 **The Analysis of Mapping Bilingual Lexical Semantics for Knowledge Organization Systems**

Shu-Jiun CHEN, Research Center for Information Technology Innovation, Academia Sinica

12:30~12:50 **E-HowNet- a Lexical Knowledge Representation System**

Keh-Jiann CHEN, Institute of Information Science, Academia Sinica

12:50~13:00 Discussion

December 3, 2010

Keynote Speech

09:00~10:30 December 3, 2010 / Room LT16

Moderator: Gwo-Dong CHEN, National Science Council, Taiwan

09:05~09:45 **A Few Problems of Digital Learning**

Tak-Wai CHAN, National Central University, Taiwan

Moderator: Siu Cheung KONG, Department of Mathematics and Information Technology, The Hong Kong Institute of Education

09:50~10:30 **e-Learning: A Hong Kong Perspective**

Mang SHE, Education and Manpower Bureau, HKSAR

E-Learning

11:00~12:30 December 3, 2010 / Room P4704

Moderator: Jer Tsang YU, City University of Hong Kong

11:00~11:30 **Developments and Highlights of e-Learning in Taiwan Higher Education**

Chien CHOU, Institute of Education, National Chiao Tung University, Taiwan

11:30~12:00 **E-learning in School Education: Opportunities and Challenges**

Siu Cheung KONG, Department of Mathematics and Information Technology, The Hong Kong Institute of Education

12:00~12:30 **Towards the Applicability in Designing e-Textbook for K12 Schools**

Ronghuai HUANG, Knowledge Science & Engineering Institute, Beijing Normal University

Meta-Library - Gateway to World Knowledge Assets and Digital Services

11:30~12:30 December 3, 2010 / Room P4703

Moderator: Colin STOREY, The Chinese University of Hong Kong Library

11:00~11:20 **The Fundamentals of Preserving Knowledge Assets: USC's Dual Approach to Digital Services and Physical Collections**

Catherine QUINLAN, University of Southern California Libraries

11:20~11:40 **Embedding Digital Libraries into Knowledge Processes of the e-Science Environment**

Xiaolin ZHANG, Library of Chinese Academy of Sciences

11:40~12:00 **Digital Libraries: Redefining the Library Value Paradigm**

Peter E. SIDORKO, University of Hong Kong Libraries

12:00~12:20 **Complex Bibliographic Systems: Integrating Content Management and Knowledge Assets**

Karl Min KU, National Central Library

12:20~12:30 Discussion

Social Computing and Its Applications

11:00~12:30 December 3, 2010 / Room P4701

Moderator: Mark LIAO, Institute of Information Science, Academia Sinica

11:00~11:30 **Metaverse Computing and Transmedia in 21C**

Hyun Seung YANG, Korea Advanced Institute of Science and Technology (KAIST)

11:30~12:00 **An Overview of Human Computation and Its Applications**

Ling-Jyh CHEN, Institute of Information Science, Academia Sinica

12:00~12:30 **Media Summarization in The Web 2.0 Era**

Sheng-Wei CHEN, Institute of Information Science, Academia Sinica

e-Learning Panel (I) Educational Content

14:00~15:30 December 3, 2010 / Room P4704

Moderator: Gwo-Dong CHEN, National Science Council, Taiwan

14:00~14:45 **Building a Learning Community**

Mei Mei NG, Hong Kong Education City

14:45~15:30 **Path of Kang Hsuang Educational Digital Publishing and Kang Chou Bi-Lingual School Establishment**

Mike LEE, Kang Hsuan Educational Publishing Group, Taiwan

E-Book Archiving – Issues and Possible Solutions

14:00~15:30 December 3, 2010 / Room P4703

Moderator: Samsoon SOONG, Hong Kong University of Science and Technology

14:00~14:30 **Current status and development policy on digital resource preservation in Chinese academic libraries**

Ling CHEN, CALIS Administrative Centre, Peking University Library

14:30~15:00 **E-books - A Practical Guide To Preservation**

Victoria REICH, Stanford University Libraries

15:00~15:30 **E-book archiving: ensuring continuity of access to the global library community**

Richard ROSY, Ingram Digital Services

Application of Spatiotemporal Methods to the Humanities

14:00~15:30 December 3, 2010 / Room P4701

Moderator: Howie LAN, Electronic Cultural Atlas Initiative (ECAI), UC Berkeley, USA

14:00~14:30 **Spatiotemporal Analysis of Historical Maritime Exchanges in Asia Using HuMap and HuTime**

Mamoru SHIBAYAMA, Center for Southeast Asian Studies(CSEAS), Kyoto University, Japan

14:30~15:00 **Where were the Japanese peasants likely to die in the 17th -19th centuries?**

Hiroshi KAWAGUCHI, Faculty of Business Administration, Tezukayama University, Japan

15:00~15:30 **An Event Ontology for Crisis-Disaster Information**
Andrea Wei-Ching HUANG and Tyng-Ruey CHUANG, Institute of Information Science,
Academia Sinica

e-Learning Panel (II) Future Classroom

16:00~17:30 December 3, 2010 / Room P4704

Moderator: Siu Cheung KONG, Department of Mathematics and Information Technology, The
Hong Kong Institute of Education

16:00~16:20 **E-Learning: Special ways in conducting lessons Nowadays**
Cheuk Lin CHAN, Po Leung Kuk Chee Jing Yin Primary School, Hong Kong

16:20~16:40 **Title: TBA**
Huijuan LI, Ludixi Primary School, Guangzhou, China

16:40~17:00 **Future Classroom: a Research Issue or an Innovation?**
Hsue-Yie Wang, Graduate Institute of Network Learning Technology, National
Central University

17:00~17:20 **DESIGN AN INNOVATIVE ELEMENTARY SCHOOL**
Tsung-Che WU, PengLai Elementary School, Taipei, Taiwan

17:20~17:30 Discussion

Management and Service of Knowledge Assets

16:00~17:30 December 3, 2010 / Room P4703

Moderator: Anthony FERGUSON, University of Hong Kong

16:00~16:30 **The Concept and Practice of Regional Resource Sharing in Macao: An Assumption**
Longji DAI, Macau University of Science and Technology Library

16:30~17:00 **China Academic Digital Library: Practice and Management**
Chen HUANG, Zhejiang University Libraries, China

17:00~17:30 **Digital Preservation of Knowledge Assets for Future Reuse**
Ya-Ning CHEN, Computing Centre, Academia Sinica

Access to Information and Public Licenses in the Digital Environment 16:00~17:30

December 3, 2010 / Room P4701

Moderator: Ching-Yi LIU, Graduate Institute of National Development, National Taiwan University

16:00~16:30 **Intellectual Property and Free Access to Information**
Yahong LI, Faculty of Law, University of Hong Kong

16:30~17:00 **Aggregation and Dissemination of Collective Cultural Works**
Tyng-Ruey CHUANG, Institute of Information Science & Research Center for
Information Technology Innovation, Academia Sinica

17:00~17:30 **Freeing Up the Freedom in Free Culture: Compatibility Between Public Licenses**
Jyh-An LEE, College of Law, National Chengchi University