

International Symposium on Knowledge Communities 2012

December 13 – 15, 2012

Research Center for Knowledge Communities
University of Tsukuba

Program Outline

	December 13 (Thu)	December 14 (Fri)	December 15 (Sat)
Morning		RCKC reports	Digital Archives and Metadata
Afternoon	Information Science Workshop 2012	Information Schools	Roundtable
Evening	Exchange Forum	Exchange Forum	



Information Science Workshop 2012 (December 13)

12:30-12:35	Opening
12:35-14:05	Session 1 Moderator: Yohei Seki
	Yoichi Ochiai (University of Tokyo) Sight to perception: the media art and technology Tomomi Mitsuishi (University of Tsukuba) Efficient evaluation of humanpowered joins Mei Yamaguchi (University of Tsukuba) There without there - Listen to the voice of the voiceless insect Tipawan Silwattananusarn (Khon Kaen University) Using feature selection in classifier ensemble for cardiocography classification Ion Uehara (University of Tsukuba) Wavelets having regularities beyond C-infinity Chen Rong (University of Tsukuba) View schema update problem for XML database
14:05-14:20	Break
14:20-16:05	Session 2 Moderator: Nobutaka Suzuki
	Kiyoto Miyajima (University of Tsukuba) Illustrator search system based on user's impression categories Mizuki Oka (University of Tokyo) Characterizing autonomy in the Web Wenling He (University of Tsukuba) Identification of works of manga using LOD resources - an experimental study to FRBRize bibliographic data at Kyoto International Manga Museum using DBpedia Naoya Mitani (Kyushu University) Budget control of public libraries and school libraries Yui Yasunaga (University of Tsukuba) Gradation: A hybrid query language for structured and text data Nongram Mueanrit (Khon Kaen University) The information architecture of research information storage and retrieval system Shingo Nakano (University of Tsukuba) Linking digital archives: Visualizing digital archive metadata to help users find and access
16:05-16:20	Break

16:20-17:50	Session 3 Moderator: Taro Tezuka
	<p>Kazuya Fujikawa (University of Tsukuba) Constraint can affect human perception, behaviour, and performance of search</p> <p>Kaori Ochiai (University of Tsukuba) Sharing annotation of digital manga on the social web using path expression for addressing manga object</p> <p>Kazunori Yashiro (The Graduate University for Advanced Studies) An experimentally modeling and a test of metadata evaluation for library and museum collections: study for an analysis of factors contributing to the evaluation laboriousness</p> <p>Shun Fukusumi (University of Tsukuba) Generating structured data with game-driven crowdsourcing</p> <p>Yuriko Ikawa (Kyushu University) Book selection process of users in an academic library</p> <p>Tsunagu Honma (University of Tsukuba) Extracting metadata from HTML documents using XPath and metadata schema</p>
17:50 – 18:30	Comments and Closing
18:30 – 20:00	Informal Exchange Session

Knowledge Communities 2012 (December 14)

10:00 – 12:00	Session 4 Reports from Research Center for Knowledge Communities Moderator: Hiroshi Itsumura
	<p>Welcome Shigeo Sugimoto</p> <p>Atsuyuki Morishima Declarative Data-centric Crowdsourcing</p> <p>Hideo Joho Tempo of search actions</p> <p>Keita Tsuji Use of Library Loan Records for Book Recommendation</p> <p>Junichi Isoya Quantum Computing in isotopically Engineered Diamond</p>
13:30 – 15:00	Session 5 Information Schools Collaboration – 1 Moderator: Hideo Joho
	<p>Welcome Makoto Matsumoto</p> <p>Backgrounds Shigeo Sugimoto</p> <p>Ronald Larsen (University of Pittsburgh) iSchools and the Changing Profession of Librarianship</p> <p>Gobinda Chowdhury (University Technology Sydney) Sustainability of digital information systems and services</p> <p>Discussion</p>
15:00 – 15:30	Break
15:30 – 17:30	Session 6 Information Schools Collaboration – 2 Moderator: Atsuyuki Morishima
	<p>Lampang Manmart (Khon Kaen University, Thailand) iSchool and Collaborative Activities in Thailand</p> <p>Hao-Ren Ke (National Taiwan Normal University, Taiwan) Research Collaboration in Asia LIS Schools -- Experience of the Asia Library and Information Research Group</p> <p>Emi Ishita (Kyushu University, Japan) Department of Library Science at Kyushu University - a New Department for Graduate Education and Research in Information</p> <p>Chieko Mizoue (University of Tsukuba) Brief Introduction of Graduate School of Library, Information and Media Studies</p> <p>Discussion</p>
18:00 – 19:00	Exchange Forum

Knowledge Communities 2012 (December 15)

10:00 – 12:00	Session 7 Digital Archives and Metadata Moderator: Mitsuharu Nagamori
	Thomas Baker (DCMI) Embedding libraries and cultural memory institutions in the Linked Data cloud Jane Greenberg (Univ. North Carolina Chapel Hill) Engaging Scientists in Metadata Ownership: Framing the Questions Shoichiro Hara (Kyoto University) Creating Metadata - Research and Development Experiences- Sue Yeon Syn (Catholic University of America, USA) User generated information to resource description
12:00 – 13:30	Break
13:30 – 15:00	Roundtable Discussion Moderator: Shigeo Sugimoto
	Closing

December 14 afternoon First Session

Session Chair: Hideo Joho

Makoto Matsumoto

Chairperson and Professor, Faculty of Library, Information and Media Studies, University of Tsukuba

Welcome message from Faculty of Library, Information and Media Studies

Shigeo Sugimoto

Professor, Faculty of Library, Information and Media Studies, University of Tsukuba
 Director, Research Center for Knowledge Communities

Background and Outline of the Symposium

Ronald L. Larsen

Professor and Dean, School of Information Sciences, University of Pittsburgh, USA

URL <http://www.sis.pitt.edu/~rlarsen/>

Title iSchools and the Changing Profession of Librarianship

Abstract

Information Schools (iSchools) have grown from a small group of research universities in the US to nearly forty institutions worldwide in less than a decade. This presentation will examine the fundamental values and principles of librarianship in light of the dramatic and ubiquitous growth of digital data and the digitization of physical artifacts, positioning the iSchools in the context of this transformation. Informed by changing modes of scholarly communication, it will suggest new roles for libraries and librarians, reinterpreting traditional values in an era of big data.

Gobinda Chowdhury

Professor, Faculty of Arts and Social Sciences, University Technology Sydney, Australia

URL <http://datasearch2.uts.edu.au/fass/staff/listing/details.cfm?StaffId=7488>

Title Sustainability of digital information: new directions for iResearch

Abstract

The term sustainability has gained much importance and attention over the past few years in every major international and national policy document. It is now widely understood that in order to achieve a sustainable development in any business sector we need to build systems and services that are economically, environmentally as well as socially sustainable. Although the importance of information for sustainable development has been recognized by several national and international bodies, sustainability of information systems and services has not been studied and researched well. This presentation proposes a generic model to illustrate the issues and challenges associated with the sustainability of digital information systems and services. Some new and emerging research topics have been mapped onto the three pillars of sustainability of digital information. It produces a schematic representation of various interrelated research challenges that need to be addressed in order to build and manage sustainable digital information systems and services.

December 14 afternoon Second Session

Session chair: Atsuyuki Morishima

Lampang Manmart Associate Professor, Faculty of Humanities and Social Sciences, Khon Kaen University, Thailand	
Co-author	Dr. Malee Kabmala Associate Professor, Division of Information and communication Management, Faculty of Humanities and Social Sciences, Khon Kaen University, Thailand
Title	iSchool and Collaborative Activities in Thailand
Abstract	<p>The library and information science education in Thailand has been changed. The trend of the program curricula have been integrated and blended the knowledge in the areas of information, information technology, management, research, to build a new generation of information professionals educated with new knowledge and competencies that they can work in new information environment and to meet with new demands. The library and information science schools have been revised their curricula and moved beyond library boundary and librarians, from library, library and information science to information science, information studies, information management, even knowledge management. The shift in the west resulted in term of ischools replacing the term of LIS. Now, they are about 41 universities have offered 44 programs in information area, since undergraduate to doctoral level with various titles of the programs. These programs focus on the integration of knowledge base in information, management, ICT, and social knowledge to managing the information to meet the people's need. The teaching and learning activities and research have trended to be more collaboration among the ischools.</p> <p>The collaboration has been taken in many forms and across the fields and universities around the country and some with some foreign countries. The examples of collaborative activity which has been developed include join research, co- supervision for thesis and dissertation, team teaching across the areas and universities, conference and workshop and professional network. By sharing the knowledge, resources, and expertise through the professional networking and other forms of collaboration, the information schools can expand the range of courses, training and services they offer to ensure that all important topics are covered, to keep up to date with developments and change in the profession, and to provide opportunities for join research which capitalizes on their perspective areas of special interest and expertise.</p>

Hao-Ren Ke Professor, Graduate Institute of Library and Information Science, National Taiwan Normal University, Taiwan	
URL	http://www.glis.ntnu.edu.tw/webpage/eng/faculty.html
Title	Research Collaboration in Asia LIS Schools -- Experience of the Asia Library and Information Research Group
Abstract	<p>Regional collaboration is a feasible approach to facilitating scholarly communication. In 2008, a few Library and Information Science (LIS) researchers in Taiwan, Singapore, and Thailand initiated the workshop series of Asia Library and Information Research Group (ALIRG). The workshop series is held in each country by turns. The specific objectives of this workshop series are (1) to initiate and carry out regional collaborative projects; (2) to establish regional library and information research groups; (3) to obtain expert feedback on current research studies. This presentation will give an overall report on the ALIRG workshop series, including motivation, current status, and achievement. According to the past experiences, suggestions on regional collaboration will be given.</p>

Emi Ishita Associate Professor, Department of Library Science, Kyushu University, Japan	
URL	http://hyoka.ofc.kyushu-u.ac.jp/search/details/K003977/english.html
Title	Department of Library Science at Kyushu University - a New Department for Graduate Education and Research in Information
Abstract	Kyushu University established the Department of Library Science at the Graduate School of Integrated Frontier Sciences in April 2011. In the current rapidly changing information environment, emerging issues include how to manage information and knowledge properly and how to provide secure information access. In order to educate information professionals, our department offers integrated programs in library and information science, archival study, records management, and information science. Our department curriculum includes theoretical, methodological, and practical elements. We also collaborate with the University Library and Archives and other related institutions. In addition, the ph.D program will be established in April 2013. In this talk, I will introduce our department and challenges and mention our future.

Chieko Mizoue Professor, Faculty of Library, Information and Media Studies, University of Tsukuba Dean, Graduate School of Library, Information and Media Studies, University of Tsukuba	
Title	Brief Introduction of Graduate School of Library, Information and Media Studies

December 15 morning

Session chair: Mitsuharu Nagamori

Thomas Baker Chief Information Officer, Dublin Core Metadata Initiative	
URL	http://dublincore.org/about/executive/
Title	Embedding libraries and cultural memory institutions in the Linked Data cloud
Abstract	The rise of Linked Data is transforming how libraries view their position in the world -- both by offering new opportunities to connect with sources of information outside their walls and by presenting the technical challenge of aligning descriptive and publication practices with Semantic Web principles. This talk will review the movement towards publishing and mapping to vocabularies and authorities on the Web; exposing metadata using Dublin Core, RDA, FRBR, and the Library of Congress's emerging Bibframe model; and embedding the creation of metadata into new content creation workflows using technologies such as Drupal and RDFa.

Jane Greenberg Professor, School of Information and Library Science, University of North Carolina Chapel Hill, USA	
URL	http://ils.unc.edu/~janeg/
Title	Engaging Scientists in Metadata Ownership: Framing the Questions
Abstract	National and international data sharing policies are impacting traditional metadata workflows. One significant change is the means by which scientists are engaging in metadata generation. This presentation examines 'scientist engagement' in metadata curation and related data-lifecycle challenges. The presentation will draw from the Dryad Repository (http://datadryad.org/); the Helping Interdisciplinary Vocabulary Engineering project (http://ils.unc.edu/mrc/hive/), and the Data Observation Network for Earth (DataONE) DataNet Preservation and Metadata Working Group (PAMWG) activities (http://tinyurl.com/bmjsejc). These initiatives serve as a platform for framing questions and plans to support a robust data science infrastructure.

Shoichiro Hara Professor, Center for Integrated Area Study, Kyoto University, Japan	
URL	http://www.cias.kyoto-u.ac.jp/en/staff/hara.html
Title	Creating Metadata - Research and Development Experiences-
Abstract	Every database needs metadata to organize and retrieve their records. The speaker has been engaged in various kinds of database constructions and experienced many problems. This presentation will pick up three data sets (bibliographic data for in-house Japanese classical materials, full text data for Japanese classical anthologies, and data transfer hub-data for health examinations), and explain the cause of problems and solutions. The speaker expects that the presentation and experiences will give good hints to those who have a plan to create databases.

Sue Yeon Syn Assistant Professor, School of Library and Information Science, Catholic University of America, USA	
URL	http://faculty.cua.edu/syn/
Title	User generated information to resource descriptions
Abstract	Social tagging systems allow users to engage in creating resource descriptions on various types of resources. Research on user generated tags showed that tags represent subjects of the content and types of the resource. Moreover, when user generated tags describe subjects of the content or types of resources, they describe resources better. When further analysis is made, it was found that subject tags include specific information such as person, concepts, place, etc. This presentation will discuss the potential value of the information users produce for resource discovery and organization, and the potential for associating user generated information with expert generated resource description.

December 15 afternoon

Session chair: Shigeo Sugimoto

Roundtable Discussion

- Thomas Baker (Dublin Core Metadata Initiative)
- Gobinda Chowdhury (University Technology Sydney, Australia)
- Jane Greenberg (University of North Carolina Chapel Hill, USA)
- Shoichiro Hara (Kyoto University, Japan)
- Emi Ishita (Kyushu University)
- Hao-Ren Ke (National Taiwan Normal University, Taiwan)
- Ronald Larsen (University of Pittsburgh, USA)
- Lampang Manmart (Khon Kaen University, Thailand)
- Sue Yeon Syn (Catholic University of America, USA)
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