

Marcia Lei Zeng

School of Information
(330)672-0009
Kent State University
Kent, OH 44242-0001

mzeng@kent.edu
<http://marciazeng.slis.kent.edu>

EDUCATIONAL BACKGROUND

University of Pittsburgh, Ph.D. (1992)
School of Information Sciences, University of Pittsburgh, Pennsylvania, USA.

Wuhan University, M.A. (1985)
School of Library and Information Science, Wuhan, P.R. China

Wuhan University, B.A. (1982)
School of Library and Information Science, Wuhan, P.R. China

AWARDS AND HONORS RECEIVED

Awards

Best Poster Award, CIDOC International Council of Museums (ICOM) 25th General Conference, 1-7 September 2019. Kyoto, Japan.

President's Faculty Excellence Award, 2016, [Kent State University President Beverly Warren]
<https://www.kent.edu/president/presidents-faculty-excellence-award/2016-recipient>

U.S. Fulbright Scholar to Taiwan, 2015-1016.

Outstanding Research and Scholarship Award, Kent State University, 2014. (Awarded April, 16, 2014) <http://www.kent.edu/cas/news/kent-state-awards-three-outstanding-research-and-scholarship>

Distinguished Teaching Award (for comprehensive knowledge of her field, effective organization and presentation of subject matter and the demonstration of resourcefulness in teaching). College of Communication and Information, Kent State University, 2013.

Best Poster Award, 2008 International Conference on Dublin Core and Metadata Applications (DC2008), Berlin, Germany, Aug. 22-26. Marcia L Zeng, Wei Fan, and Xia Lin: "SKOS for an Integrated Vocabulary Structure". 2008.

International Education Faculty Award. 2005-2006. Phi Beta Delta (Honors Society for International Scholars) Beta Zeta Chapter. 2006.

Doctoral Forum Award (for outstanding doctoral research done in the information field), American Society for Information Science (ASIS), 1992.

Excellent Paper Award, China Society for Science and Technology Information. 1999.

Award for Scholarly Research, Beta Phi Mu (International Library & Information Studies Honor Society) Pi Chapter, 1990.

Catherine Ofiesh Orner Award (in recognition of excellence and outstanding achievement in information science by a student). Presented by the School of Information Sciences, University of Pittsburgh. 1990.

Scholarship for Asian Studies. Awarded by the University Center for International Studies, University of Pittsburgh. 1988-1991.

Other Honors and Recognitions

Metadata 2nd. ed. named a 2017 CHOICE Outstanding Academic Title.

“Marcia Lei Zeng: Applying Semantic Web Technologies to Digital Humanities” An interview at Fulbright Taiwan, 2016. <https://www.facebook.com/FulbrightTaiwan/videos/1335290709844678/>

Scholar of the Month, Kent State University. February 2014.
<https://www.kent.edu/news/scholar-tagged-leader-digital-information-organization>

"Profiles in Digital Information-- Marcia Zeng, Ph.D.: from Indexing to Knowledge Organization Systems, One Woman's Journey Across the Globe and Into the Future of Library and Information Science". *Journal of Internet Cataloging* 7, no. 2 (2006).

University Teaching Council honor for “a faculty member who made a difference in their academic careers at KSU” as recognized by graduates. Kent State University. 2001.

1995/96 OCLC Annual Report highlight. 1996.

University Honors Convocation, University of Pittsburgh. 1991, 1993.

Beta Phi Mu, (International Library Science Honors Society), 1992.

ACADEMIC EXPERIENCE

Kent State University, Kent, Ohio
School of Information
(August 1992-Present)

Position: Professor (2003--), Associate Professor (1997-2002), Assistant Professor (1992-1997)

Courses taught:

- Knowledge Organization Structures/Systems/Services (KOS);
- Metadata Architectures and Implementations;
- Cultural Heritage Informatics;
- Digital Image Processing and Collection Management;
- Sci/Tech Sources and Services;
- Special Libraries and Information Centers;
- Electronic Publishing;
- Organization of Information.

Workshops taught:

Metadata for Digital Collections, Digital Imaging I. Image Processing. Computerized Indexing; Electronic Publishing; I. Introduction to SGML and HTML; II. Advanced HTML; III. Dynamic HTML and Graphics Enhancement.

Sabbatical leave (Sept. 1999-June 2000; Sept. – December 2008; Sept. -- December, 2015)

Academia Sinica, Taiwan.

Institute of History and Philology

(January 2016 – June 2016)

Position: U.S. Senior Fulbright Scholar

Responsibility: Research project of digital humanities.

Columbia University, New York, New York

Rosenthal Center for Complementary and Alternative Medicine

College of Physicians and Surgeons

(November 1999-June 2000, Sabbatical time)

Position: Visiting Associate Professor

Responsibilities: Research on and grant writing for the Complementary and Alternative Medicine Digital Library project.

University of Pittsburgh, Pittsburgh, Pennsylvania

School of Information Sciences

(September 1991-June 1992)

Position: Research Assistant

Responsibility: Working on an OCLC funded research project.

University of Pittsburgh, Pittsburgh, Pennsylvania

East Asian Library

(September 1988-June 1992)

Position: Graduate Student Assistant

Responsibilities: Performing and assisting in original and enhanced cataloging for Chinese and Korean materials; assisting in collection development.

Wuhan University, Wuhan, P.R. China

School of Library and Information Science,

(January 1985-August 1988)

Position: Lecturer

Major responsibilities: 1) Teaching courses in the areas of vocabulary control for information retrieval, theories and practice of classification and thesauri; indexing and indexes, etc. 2) Conducting research projects, in cooperation with national, ministry, and provincial information centers, in the areas of construction of thesauri and classification schemes, and computer-aided indexing and retrieval systems.

Other Consulting and Research Appointments

Getty Research Institute, Getty Vocabularies Steering Committee. 2019 –

Academia Sinica. Center for Digital Cultures, Institute of History and Philology. Advisor (2017-2019, 2019-2011)

The Food and Agriculture Organization of the United Nation. Information Management Specialist

(2010-11 to 2011-03) Consultant (2011-2014)

Getty Research Institute. Getty Vocabularies Linked Open Data (LOD) project. Consultant (2012)
National Science Library of the Chinese Academy of Sciences. Chinese 12th Five Year Plan project
for "Knowledge Organization Systems for Foreign Sci-Tech Information" -- Consulting Expert.

(2012-2015)

Shanghai Jiao Tong University, Visiting/Guest Research Fellow. Shanghai, China (2003 --)

Peking University Institute of Digital Library, Advisory Board. Beijing, China. (2002 --)

Chinese Academy of Sciences Library and Documentation Center, Visiting/Guest Professor. Beijing,
China. (2005 --)

Yunnan Province Library, Kunming, Yunnan, Advisory Board. China. (2004--)

Zhejiang University Information Management Institute, Visiting Researcher. Hangzhou, China. (2005 --)

Huazhong University of Science and Technology, Visiting/Guest Professor. Wuhan, China. (2007--)

American Greetings AG Interactive -- Creative Operations. Taxonomy project. (2006)

Northwestern University. Midwest Workforce Institute Digital Library Project. (2001)

Northern Lights, Inc. IMLS (Institute of Museum and Library Services) State Library Plans Lexicon
Development Project. (1999-2000)

Battelle Memorial Institute. Department of Foreign Science and Technology. Columbus, Ohio (1992)

BOOKS:

Subirats-Coll, Imma and Marcia L. Zeng. *Linked Open Data Enabled Bibliographical Data (LODE-BD) 3.0*. To be published by the Food and Agriculture Organization (FAO) of the United Nations (UN). 60 pages. [In review].

Zeng, Marcia Lei & Jian Qin. [2021]. *Metadata*. 3rd Ed. ALA Neal-Schuman.
[Contract signed. In development].

Zeng, Marcia Lei and Qin, Jian. 2016. *Metadata*. 2nd Edition. Chicago: ALA Neal-Schuman. ISBN
978-1-55570-965-5 and London: Facet Publishing. ISBN:978-1-78330-052-5
Companion Website: <http://metadataetc.org/book-website2nd/>

Robert B. Allen, Jane Hunter, and Marcia L Zeng. (Eds.) 2015. *Digital Libraries: Providing Quality Information. 17th International Conference on Asia-Pacific Digital Libraries, ICADL 2015, Seoul, Korea, December 9-12, 2015. Proceedings*. Springer. ISBN 978-3-319-27974-9

Zumer, Maja, Marcia Lei Zeng, and Athena Salaba. 2012. *FRSAD: Conceptual modeling of aboutness*. Third Millennium Cataloging Series, Santa Barbara, CA: Libraries Unlimited. ISBN
9781598847949

Zeng, Marcia Lei, Maja Zumer, and Athena Salaba. 2011. *Functional Requirements for Subject Authority Data, A Conceptual Model (FRSAD)*. IFLA Working Group on Functional Requirements for Subject Authority Records (FRSAR). Berlin/München: De Gruyter Saur. ISBN 9783110263787

Zeng, Marcia Lei & Jian Qin. 2008. *Metadata*. New York, NY: Neal-Schuman. ISBN
9781555706357 and London: Facet Publishing. ISBN: 9781856046558

Zeng, Marcia Lei, & Suzine Har Nicolescu (Eds.) 1997. *Serving Multicultural Populations in the 21st Century: Universal Standardized Subject Headings -- Present Status and Future Prospects*. Tokyo: National Center for Science Information Systems (NACSIS). ISBN 4924600571

Zeng, Lei. 1996. *Indexing Languages in Online Environment*. Beijing: China Bibliography and Document Publishing House. (Text in English and Chinese.) ISBN 7501312931

Xie, Xinzhou, & Lei Zeng. 1996. *Electronic Publishing*. Beijing: People's Publishing House. (Text in Chinese.) ISBN 7506007657

RESEARCH PUBLICATIONS:

Articles in Refereed Journals (English)

Subirats-Coll, Imma, Kristin Kolshus, Andrea Turbati, Armando Stellato, Esther Mietzsch, Daniel Martini, Marcia Zeng. [2020]. AGROVOC: The Linked Data Concept Hub for Food and Agriculture. *Computers and Electronics in Agriculture*. 2020. [In press].

Zeng, Marcia Lei, Yi Hong, Julaine Clunis, Shaoyi He, & L.P. Coladangelo. 2020. Implications of Knowledge Organization Systems for Health Information Exchange and Communication during the COVID-19 Pandemic. *Data and Information Management*, 4(3): 148–170.
<https://doi.org/10.2478/dim-2020-0009>

Zeng, Marcia Lei, and Julaine Clunis. 2020. FAIR + FIT: Guiding Principles and Functional Metrics for Linked Open Data (LOD) KOS Products. *Journal of Data and Information Science (JDIS)* 5 (1): 93-118. <https://doi.org/10.2478/jdis-2020-0008>

Zeng, Marcia Lei. 2019. Interoperability. *Knowledge Organization* v. 46(2): 122-146.

Zeng, Marcia Lei. 2019. Semantic enrichment for enhancing LAM data and supporting digital humanities. *El profesional de la información*, v. 28, n. 1, e280103.
<https://doi.org/10.3145/epi.2019.ene.03>

Zeng, Marcia Lei, and Philipp Mayr. 2018. Knowledge Organization Systems (KOS) in the Semantic Web. *International Journal on Digital Libraries*. <https://doi.org/10.1007/s00799-018-0241-2> Online version 2018.05 <https://rdcu.be/PgZW>

Zeng, Marcia Lei. 2017. Smart data for digital humanities. *Journal of Data and Information Science*. 2(1): 1-12. <https://doi.org/10.1515/jdis-2017-0001>

Chen, Shu-Jiun, Marcia Lei Zeng, and Hsueh-Hua Chen. 2016. Alignment of conceptual structures in controlled vocabularies in the domain of Chinese art – A discussion of issues and patterns. *International Journal on Digital Libraries*. 17(1): 23-38. DOI :10.1007/s00799-015-0163-1.

Zeng, Marcia Lei, Karen Gracy, and Maja Zumer. 2014. Using a semantic analysis tool to generate subject access points: A study using Panofsky's theory and two research samples. *Knowledge Organization*. 41(6): 440-451.

Golub, Koraljka, Douglas Tudhope, Marcia Lei Zeng, and Maja Zumer. 2014. Terminology registries for knowledge organization systems. *Journal of the American Society for Information Science and Technology (JASIS&T)*. 65(9), September 2014: 1901–1916.

Mitchell, Joan S., Marcia Lei Zeng, and Maja Zumer. 2014. Modeling classification systems in multicultural and multilingual contexts. *Cataloging & Classification Quarterly*. 52(1): 90-101.

Zhang, Jin and Marcia Lei Zeng. 2014. A new similarity measure for subject hierarchical structures. *Journal of Documentation*. 70(3)4: 364 – 391.

Zeng, Marcia Lei, Karen Gracy, and Laurence Skirvin. 2013. Navigating the intersection of library bibliographic data and linked music information sources: A study in the identification of useful metadata elements for interlinking. *Journal of Library Metadata*. 13(2-3): 254-278.

Hong, Yi, Marcia Lei Zeng, Jin Zhang, Alexandra Dimitroff, and Charles E. Kahn, Jr. 2013. Application of standardized biomedical terminologies in radiology reporting templates. *Information Services & Use*. 33(3-4):309–323

Gracy, Karen, Marcia Lei Zeng, and Laurence Skirvin. 2013. Exploring methods to improve access to music resources by aligning library data with Linked Data: A report of methodologies and preliminary findings. *Journal of the American Society for Information Science and Technology (JASIS&T)* 64(10):2078–2099. DOI: 10.1002/asi.22914

Gilchrist, Alan, Marcia Lei Zeng, Stella Dextre Clark, Antoine Isaac, Patric Lambe, and Judi Vernau. 2013. Logic and the Organization of Information – an appreciation of the book of this title by Martin Frické. A set of short essays. *Journal of Information Science*. 39(5):708-716. doi: 10.1177/0165551513480310

Clarke, Stella G. Dextre, and Marcia Lei Zeng. 2012. From ISO 2788 to ISO 25964: the evolution of thesaurus standards towards interoperability and data modeling. *Information Standards Quarterly*, 2012 Winter 24(1):20-26. <http://www.niso.org/publications/isq/2012/v24no1/clarke/>
doi: <http://dx.doi.org/10.3789/isqv24n1.2012.04>

Zeng, Marcia Lei. 2010. Domain-specific markup languages and descriptive metadata: their functions in scientific resource discovery. (Linguagens de marcação específicas por domínio e metadados descritivos: funções para a descoberta de recursos científicos) *Eletrônica de Biblioteconomia e Ciência da Informação*. 15 (30). (Text in English and Portuguese)

Zeng, Marcia Lei and Maja Zumer. 2010. Introducing FRSAD and mapping it with SKOS and other models. *International Cataloguing and Bibliographic Control (ICBC)* Vol. 39, No. 3. (Paper was recommended by the IFLA Classification and Indexing Section after IFLA 09 conference presentation.)

Zeng, Marcia Lei, Jaesun Lee & Allene F. Hayes. 2009. Metadata decisions for digital libraries: A survey report. *Journal of Library Metadata*, 9:3-4, 173-193, DOI:10.1080/19386380903405074

Zeng, Marcia Lei. 2008. Knowledge organization systems. *Knowledge Organization*, Vol. 35, No. 2-3: 160-182.

Zeng, Marcia Lei. 2006. Sharing and use of subject authority data. *International Cataloguing and Bibliographic Control (ICBC)* Vol. 36, No.3.

Zeng, Marcia Lei and Lois Mai Chan. 2004. Trends and issues in establishing interoperability among knowledge organization systems. *Journal of American Society for Information Science and Technology*

(JASIS&T) 55(5): 377 – 395. doi:10.1002/asi.10387

Smith, Terence, R., Marcia Lei Zeng, and the ADEPT Project Team. 2004. Building semantic tools for concept-based learning spaces -- Knowledge bases of Strongly-Structured Models for concepts in advanced DL. *Journal of Digital Information (JoDI)* 4(4) Article No. 263. Available: <https://journals.tdl.org/jodi/index.php/jodi/article/view/111/110>

Chan, Lois Mai, & Marcia Lei Zeng. 2002. Ensuring interoperability among subject vocabularies and knowledge organization schemes: a methodological analysis. *IFLA Journal* 28(5/6): 323-327. Reprinted by *Signum* of The Finnish Research Library Association, 2004/8.

Zeng, Marcia Lei, Fredi Kronenberg, & Pat Molholt. 2001. Toward a conceptual framework for complementary and alternative medicine: challenges and issues. *Knowledge Organization* 28 (1):27-40.

Kronenberg, Fredi, Pat Molholt, Marcia Lei Zeng, & Daniel Eskinazi. 2001. A Comprehensive information resource on traditional, complementary, and alternative medicine: toward an international collaboration. *Journal of Alternative and Complementary Medicine* 7(6):723-730.

Chan, Lois Mai, Xia Lin, & Marcia Lei Zeng. 2000. Structural and multilingual approaches to subject access on the Web. *IFLA Journal* 26(3): 187-197.

Zeng, Marcia Lei. 1999. Metadata elements for object description and representation -- A case report from a digitized historical fashion collection project. *Journal of American Society for Information Science (JASIS&T)* 50(13):1193-1208.

Zhang, Foster J., & Marcia Lei Zeng. 1999. Multiscript information processing on crossroads: Demands for shifting from diverse character code sets to the Unicode standard in library applications. *IFLA Journal* 25 (3): 162-167.

Zeng, Lei. 1995. Online information resource for ethnic studies. *Ethnic Forum* 15(1-2):176-189.

Zumer, Maja, & Lei Zeng. 1994. Comparison and evaluation of OPAC end-user interfaces on OhioLINK. *Cataloging and Classification Quarterly* 19(2):67-98.

Zeng, Lei. 1993. Quality control of Chinese-language records using a rule-based data validation system: Part 2, A study of a rule-based data validation system for online Chinese cataloging. *Cataloging & Classification Quarterly* 18(1):3- 26.

Zeng, Lei. 1993. Quality control of Chinese-language records using a rule-based data validation system: Part 1, An evaluation of the quality of Chinese-language records in the OCLC OLC database. *Cataloging & Classification Quarterly* 16(4):25-66.

Zeng, Lei. 1991. Automation of bibliographic control for Chinese materials in the United States. *International Library Review* 23:299-319.

Zeng, Lei. 1990. Establishing a compatible general vocabulary in China: the capability. *International Classification* 16(2):91-98. (This paper won 1990 Catherine Ofiesh Orner Award.)

Zeng, Lei. 1986. An introduction to thesauri and classification in China. *International Classification* 13(1):24-28.

Articles in Professionally Reviewed Monographs, Encyclopedias, and Proceedings

Zeng, Marcia Lei, and Philipp Mayr. [2021]. Knowledge Organization Systems (KOS) in the Semantic Web. In: Richard Smiraglia and Andrea Scharnhorst ed. *Linking Knowledge*. Ergon-Verlag/Nomos eBooks. [In press].

Zeng, Marcia Lei. 2018. Interoperability. *ISKO Encyclopedia of Knowledge Organization (IEKO)*. Aug. 2, 2018. <http://www.isko.org/cyclo/interoperability>

Zeng, Marcia Lei, Shu-Jiun Chen. 2018. Derivative interpretation of biographical sketches (bios) supporting innovative information access. *Proceedings of the Fifteenth International ISKO Conference, Porto, Portugal, July 9-11, 2018*. Würzburg: Ergon Verlag. (pp. 549-556.)

Michael D. Crandall, Stuart A. Sutton, Marcia Zeng, Thomas Baker. 2017. LD4PE: A Competency-based Guide to Linked Data Principles and Practices. *Proceedings of the DCMI International Conference on Dublin Core & Metadata Application, Oct. 26-29, 2017, Washington, D.C.* <http://dcpapers.dublincore.org/pubs/article/view/3855>

Zeng, Marcia Lei, and Philipp Mayr. 2017. Knowledge Organization Systems (KOS) in the Semantic Web: Is the whole greater than the sum of its parts? -- A multi-dimensional review. *Knowledge Organization – what's the story? Classification, Indexing, Taxonomies and Ontologies - current state and direction of travel. Proceedings of the ISKO-UK Biennial Conference, Sept. 11-12, 2017, London*.

Zeng, Marcia Lei, Shu-Jiun Chen. 2017. Turn Over a New Facet: An Analysis of the Applications of Faceted Systems for Facilitating the Explorations of Museum Collections on the Web. (Short paper). *Faceted Classification Today: Theory, Technology and End Users. Proceedings of International UDC Seminar, Sept. 14-15, 201, London: 273-277*. Ergon Verlag.

Li, Hongshan, Marcia Lei Zeng, et. al. 2017. Tackling Innovation Networks with Smart Data: A Case Study of the Liquid Crystal Institute at Kent State University. *Proceedings of Digital Humanities 2017, August 8-11, 2017, Montreal, Canada*.

Zumer, Maja, and Marcia Lei Zeng. 2016. The new FRBR-LRM model: some accents. *Knowledge Organization for a Sustainable World: Challenges and Perspectives for Cultural, Scientific, and Technological Sharing in a Connected Society. Proceedings of the 14th International ISKO Conference, September 27-29, 2016, Rio de Janeiro, Brazil*. Würzburg: Ergon Verlag.

Zeng, Marcia Lei, Yin Zhang, Hongshan Li, and Serhiy Polyakov. 2015. Exploring smart data approaches to the history of innovation and invention at Liquid Crystal Institute at Kent State University. *Digital Libraries: Providing Quality Information. 17th International Conference on Asia-Pacific Digital Libraries, ICADL 2015, Seoul, Korea, December 9-12, 2015. Proceedings: 346-347*. Allen, Robert et al. Eds. Springer. ISBN 978-3-319-27974-9

Zeng, Marcia Lei, Maja Zumer, and Athena Salaba, 2014. Functional Requirements for Subject Authority Data (FRSAD) -- A conceptual model. *Encyclopedia of Library and Information Sciences*. Taylor & Francis Group. (Online version published Oct. 2014, Print version. 2015)

Zeng, Marcia Lei, Karen Gracy, and Maja Zumer. 2014. Using a semantic analysis tool to generate subject access points: A study using Panofsky's Theory and two research samples. *Knowledge Organization in the 21st Century: Between Historical Patterns and Future Prospects. Proceedings of the Thirteenth International ISKO Conference 19-22 May 2014 Kraków*. Babik, Wiesaw Ed. Würzburg: Ergon Verlag. ISBN:978-3-95650-040-4. pp.493-500.

Salaba, Athena and Marcia Lei Zeng. 2014. Extending the "Explore" user task beyond subject authority data into the Linked Data sphere. *Knowledge Organization in the 21st Century: Between Historical Patterns and Future Prospects. Proceedings of the Thirteenth International ISKO Conference 19-22 May 2014 Kraków*. Babik, Wiesaw Ed. Würzburg: Ergon Verlag. ISBN:978-3-95650-040-4. pp.501-508.

Green, Rebecca, Diane Vizine-Goetz, Marcia Lei Zeng, and Maja Žumer. 2013. From modeling to visualization of topic relationships in classification schemes. *Proceedings of International UDC Seminar 2013-Classification & Visualization: interfaces to knowledge, The Hague, 24-25 October 2013*. Slavic, A. Akdag Salah & Davies S. Eds. Würzburg: Ergon Verlag, 2013. ISBN:978-3-95650-007-7.

Hong, Yi, Marcia Lei Zeng, Jin Zhang, Alexandra Dimitroff, and Charles E. Kahn, Jr. 2013. Application of standardized biomedical terminologies in radiology reporting templates. *Knowledge Organization, Pushing the Boundaries, ISKO-UK Biennial Conference, July 8-9, London*. Online proceedings. <http://www.iskouk.org/conf2013/papers/HongPaper.pdf>

Zeng, Marcia Lei and Maja Zumer. 2013. A metadata application profile for KOS vocabulary registries. *Knowledge Organization, Pushing the Boundaries, ISKO-UK Biennial Conference, July 8-9, London*. Online proceedings. <http://www.iskouk.org/conf2013/papers/ZengPaper.pdf>

Žumer, Maja, Marcia Lei Zeng, and Marjorie MK Hlava. 2012. A Domain model for describing and accessing KOS resources: Report of processes in developing a KOS description metadata application profile. *Metadata for Meeting Global Challenges. Proceedings of the 2012 International Conference on Dublin Core and Metadata Applications, Kuching, Sarawak, Malaysia, Sept. 3-7, 2012*. ISSN 1939-1366 (Online).

Imma Subirats, Themrani Malapela, Sarah Dister, Marcia Zeng, Marc Gooaverts, Valeria Pesce, Yves Jaques, Stefano Anibaldi, and Johannes Keizer. 2012. Reorienting open repositories to the challenges of the Semantic Web: Experiences from FAO's contribution to the resource processing and discovery cycle in repositories in the agricultural domain. *Communications in Computer and Information Science* 343:350, November 2012. DOI: 10.1007/978-3-642-35233-1_17

Chen, Shu-jiun, Marcia Lei Zeng, and Hsueh-hua Chen. 2012. Alignment of conceptual structures in controlled vocabularies in the domain of Chinese art – A discussion of issues and patterns. In: *Categories, Contexts and Relations in Knowledge Organization. Proceedings of the Twelfth International ISKO Conference, 6-9 August 2012, Mysore, India*. Neelameghan, A. and Raghavan, K.S. Eds. Ergon Verlag. ISSN:0938-5495; ISBN:978-3-89913-902-0. pp.249-255.

Žumer, Maja, Marcia Lei Zeng, and Joan S. Mitchell. 2012. FRBRizing KOS relationships: Applying the FRBR model to versions of the DDC. In: *Categories, Contexts and Relations in Knowledge Organization. Proceedings of the Twelfth International ISKO Conference, 6-9 August 2012, Mysore, India*. Neelameghan, A. and Raghavan, K.S. Eds. Ergon Verlag. ISBN:978-3-89913-902-0. pp.191-194.

Mitchell, Joan S., Marcia Lei Zeng, and Maja Zumer. 2011. Extending models for controlled vocabularies to classification systems: modeling DDC with FRSAD. In: *Classification and ontology: formal approaches and access to knowledge: proceedings of the International UDC Seminar, 19-20 September 2011, The Hague, The Netherlands*. Edited by Aida Slavic & Edgardo Civallero. Würzburg: Ergon Verlag, 2011. ISBN: 978-3-89913-865-8. pp.241-250

Zumer, Maja and Marcia Lei Zeng, 2011. Modeling knowledge organization systems and structures - A discussion in the context of conceptual and data models. In: *Facets of Knowledge Organization, A Tribute to Professor Brian Vickery. Proceedings of ISKO-UK Biennial Conference, London, 4th-5th, July 2011*. Alan Gilchrist and Judi Vernau Eds.. Emerald Group Publishing Limited. ISBN: 978-1780526140. pp.107-115.

Zumer, Maja, Marcia Lei Zeng, and Athena Salaba. 2010. FRBR: A Generalized approach to Dublin Core application profiles. *Making Metadata Work Harder: Celebrating 15 Years of Dublin Core. Proceedings of the International Conference on Dublin Core and Metadata Applications, Pittsburgh, October 20-22, 2010*. ISSN: 1939-1366 (Online)

Zeng, Marcia Lei and Lois Mai Chan. 2010. Semantic Interoperability. In: *Encyclopedia of Library and Information Sciences* 3rd edition. 1: 1, 4645 — 4662. Marcia J. Bates and Mary Niles Maack Eds. (Online publication date: 09 December 2009) New York, NY: Dekker Encyclopedias, Taylor and Francis Group. Updated 2014.

Zeng, Marcia Lei, Michael Panzer, and Athena Salaba. 2010. Expressing Classification Schemes with OWL 2 Web Ontology Language. *Proceedings of the ISKO 2010 International Conference: "Paradigms and conceptual systems in KO". Sapienza University of Rome, February 23-26, 2010, Rome, Italy*. 356-362. Ergon Verlag. ISSN:0938-5495; ISBN:978-3-89913-746-0.

Panzer, Michael and Marcia Lei Zeng. 2009. Modeling Classification Systems in SKOS: Some Challenges and Best-Practice Recommendations. In: *Semantic Interoperability of Linked Data: Proceedings of the International Conference on Dublin Core and Metadata Applications, Seoul, October 12-16, 2009*, ed. Samgyun Oh, Shigeo Sugimoto, and Stuart A. Sutton. Seoul: Dublin Core metadata Initiative and National Library of Korea: 3-14. ISSN:1939-1366 (Online). <http://dcpapers.dublincore.org/ojs/pubs/article/view/974>

Zeng, Marcia Lei and Maja Zumer. 2009. Introducing FRSAD and Mapping it with SKOS and other models. In: *Proceedings of World Library and Information Congress: the 75th IFLA General Conference and Assembly, "Libraries create futures: Building on cultural heritage", 23-27 August 2009, Milan, Italy*. (Paper was to be translated into 5 other languages.) Available at: <http://www.ifla.org/files/hq/papers/ifla75/200-zeng-en.pdf>

Smith, Terence and Marcia Lei Zeng. 2009. Semantic Tools to Support the Use and Construction of Concept-based Learning Spaces. In: *E-Learning for Geographers: Online Materials, Resources and Repositories*. Edited by Philip Rees, Louise Mackay, Karen Fill and Helen Durham. Hersey, Pennsylvania: Idea Group. ISBN 978-1-59904-980-9

Zumer, Maja, Athena Salaba and Marcia Lei Zeng. 2007. Functional Requirements for Subject Authority Records (FRSAR): A Conceptual Model of Aboutness. *Asian Digital Libraries. Looking Back 10 Years and Forging New Frontiers* (Lecture Notes in Computer Science). Berlin / Heidelberg: Springer : 487-492. ISBN 978-3-540-77093-0. Chapter DOI 10.1007/978-3-540-77094-7_62

Zeng, Lei. 2005. Knowledge Organization Systems. In: Zeng Minzu ed.: *Knowledge: Technologies and Applications*. Beijing: Scientific and Technical Documents Publishing House: 121-137. (Text in Chinese) ISBN 7502351345

Zeng, Marcia Lei, Bhagirathi Subrahmanyam, & Gregory M. Shreve. 2004. Metadata quality study for the National Science Digital Library (NSDL) Metadata Repository. In: *Digital Libraries: International Collaboration and Cross-Fertilization. 7th International Conference on Asian Digital Libraries, ICADL 2004 Shanghai, China, December 2004. Proceedings*: 339-340. Springer. ISBN 3540240306

Shreve, Gregory M. & Marcia L. Zeng. 2004. Providing parallel metadata for digital libraries with linguistically heterogeneous documents. In: *Digital Libraries: International Collaboration and Cross-Fertilization. 7th International Conference on Asian Digital Libraries, ICADL 2004 Shanghai, China, December 2004. Proceedings*: 341-344. Springer. ISBN 3540240306

Smith, Terrence R. and Marcia L. Zeng. 2004. Concept maps supported by knowledge organization structures. In: I.C.McIlwaine ed.: *Knowledge Organization and the Global Information Society: Proceedings of the Eighth International ISKO Conference, 13-16 July 2004, London, England*: 23-28. Ergon Verlag. ISBN 3899133579

Shreve, Gregory M. & Marcia Lei Zeng. 2003. Integrating resource metadata and domain markup in an NSDL Collection. In: *DC2003: Proceedings of the International DCMI Metadata Conference, Sept. 28 - Oct. 2, 2003, Seattle, Washington USA*: 223-229. ISBN 0074530301

Zeng, Marcia Lei and Chen Yu. 2003. Features of an integrated thesaurus management and search system for the networked environment. In: I.C.McIlwaine ed.: *Subject Retrieval in a Networked Environment, Proceedings of the IFLA Satellite Meeting Held in Dublin, OH, 14-16 August 2001 and sponsored by the IFLA Classification and Indexing Section, the IFLA Information Technology Section and OCLC*: 122-128. Munchen: K.G.Saur. ISBN 3598116349

Hill, Linda, Olha Buchel, Greg Janeé, & Marcia Lei Zeng. 2002. Integration of knowledge organization systems into digital library architectures: In: Jens-Erik Mai, et. al. ed.: *Advances of Classification Research, Volume 13 Proceedings of the 13th ASIST SIG/CR Workshop, November 17, 2002, Philadelphia, PA*. NJ: Learned Information, Inc. ISBN 1573871990

Smith, Terrence R., Marcia L. Zeng, & The ADEPT Knowledge Team. 2002. Structured models of scientific concepts for organizing, accessing, and using learning materials. In: *Challenges in Knowledge Representation and Organization for the 21st century. Integration of Knowledge Across Boundaries: Proceedings of the Seventh International ISKO Conference, 10-13 July 2002, Granada, Spain*: 232-239. ISBN 3899132475

Zeng, Marcia Lei. 2001. Supporting metadata interoperability: trends and issues. In: Ching-Chih Chen ed.: *Global Digital Library Development in the New Millennium*: 405-412. Beijing: Tsinghua University Press. ISBN 7302044732

Zeng, Marcia Lei, & Long Xiao. 2001. Mapping metadata elements of different format. *E-Libraries 2001, Proceedings, May 15-17, 2001, New York*: 91-99. Medford, NJ: Information Today, Inc. ISBN 1573871214

Zeng, Marcia Lei. 1997. Searching for new ordering systems for the Internet resources – a study of the approaches to organizing information in the World Wide Web Virtual Libraries from 1995 to 1997. In: I. McIlwaine ed.: *Knowledge Organization for Information Retrieval*: 28-31. The Hague, Netherlands: International Federation for Information and Documentation (FID). ISBN 9266007161

Zeng, Marcia Lei. 1997. Access to multilingual databases through universal standardized subject headings: pros and cons. In: M. Zeng & S. H. Nicolescu ed.: *Serving Multicultural Populations in the 21st Century: Universal Standardized Subject Headings -- Present Status and Future Prospects*: 21-29. Tokyo: National Center for Science Information Systems (NACSIS). ISBN 4924600571

Zeng, Marcia Lei. 1996. Towards a unified medical language in a diverse cultural environment. In: R.Green ed.: *Advances in Knowledge Organization, Vol.5: Knowledge Organization and Change*: 51-58. Frankfurt/Main: INDEKS VERLAG. ISSN 09385495

Zeng, Marcia Lei. 1995. Filters, gateways, or online advisors -- how can we develop control mechanisms for intellectual access in virtual libraries? In: *The Power of Information: Transforming the World*: 77-84. Washington, DC: Special Libraries Association. ISBN 0871114429

Zeng, Lei, Kaye Gapen, & Sharon Schmitte. 1994. Developing intellectual access and control mechanisms for discipline-based virtual libraries that feature media- integration. In R. Fidel et al. ed.: *Advances in Classification Research*. Vol. 4. NJ: Learned Information, Inc. ISBN 0938734970

Zeng, Lei. 1994. Methodologies for measuring and enhancing the quality of bilingual bibliographic records. In A. Kent ed.: *Encyclopedia of Library and Information Science*, vol. 53: 237-257. NY: Marcel Dekker, Inc. ISBN 0824720539

Zeng, Lei. 1993. Compatibility of indexing languages in online access environment: A review of the approaches. In R. Fidel et al. ed.: *Advances in Classification Research*, vol. 3: 161-181. NJ: Learned Information, Inc. ISBN 0938734792

Zeng, Lei. 1992. Achieving compatibility of indexing languages in online access environment. In A. Kent ed.: *Encyclopedia of Library and Information Science*, vol. 50: 1- 24. NY: Marcel Dekker, Inc. ISBN 0824722779

Zeng, Lei. 1992. Research and development of classification and thesauri in China. In N. Williamson ed.: *Classification Research for Knowledge Representation and Organization*, 409-416. NY: Elsevier, 1992. ISBN 0444893431

Zeng, Lei. 1991. Automatic indexing for Chinese text: problems and progress. In A. Kent ed.: *Encyclopedia of Library and Information Science*, vol. 49: 7-36. NY: Marcel Dekker, Inc. ISBN 0824720490. (Winner of the 1990 Beta Phi Mu Pi Chapter Award for Scholarly Research.)

Zeng, Lei. 1991. Library science education in China in the 1980s. In A. Kent ed.: *Encyclopedia of Library and Information Science*, vol. 49: 296-308. NY: Marcel Dekker, Inc. ISBN 0824720490

Refereed Articles in Chinese

Zeng, Marcia Lei & Xu Tan. 2020. 数据的语义增强——解读图档博支持数字人文的新动向 Supporting Digital Humanities through Semantic Enrichment of LAM Data. *Journal of Digital Humanities*. 1(1). 2020. [In press].

Zeng, Marcia Lei, Xiaoguang Wang, and Wei Fan. 2018. 智慧数据在数字人文研究中的潜力与图档博数据的重要角色. Smart Data from Libraries, Archives, and Museums and its role in the digital humanities. 中国图书馆学报 *Journal of Library Science in China* (2018年第1期) No.1, 2018:17-34. (Text in Chinese) DOI:10.13530/j.cnki.jlis.180002 (Listed as the first in the category: Digital Humanities Research in the Big Data Era, which is in the “The 10 Hottest Academic Areas of China in 2018” through the 16th annual national survey and analysis.)

Zeng, Marcia Lei. 2014. 超越时空的思想智慧和理念——有感于张琪玉教授创建情报语言学学科领域之巨大意义 Timeless Wisdom: The Significance of the Establishment of Information Retrieval Languages (IRL) Subject Domain by Prof. Zhang Qiyu. 图书馆杂志 (2014年第9期 总第281期) *Library Journal* Vol.33. No.9: 8-13. (Text in Chinese)

Hill, Linda, Olha Buchel, Greg Janée, and Marcia Lei Zeng. 2004. Integration of knowledge organization systems into digital library architectures. *New Technology of Library and Information Service* (Xiandai Tushu Qingbao Jishu) No.1, 2004. (Text in Chinese)

Zeng, Marcia Lei, Foster J. Zhang, and Xiaolin Zhang. 2003. Evolution of metadata standards. *Journal of Library Science in China* (Zhongguo Tushuguan Xuebao) No.4, 2003: 10- 19. (Text in Chinese)

Zhang, Xiaolin, Zeng Lei, Li Guangjian, Mao Jun, Liu Wei, & Feng Ying. 2003. Guidelines for open description and standards application in Chinese Science Digital Library Project. *New Technology of Library and Information Service* (Xiandai Tushu Qingbao Jishu) No.3, 2003: 16-19. (Text in Chinese)

Zeng, Marcia Lei. 2002. Metadata and domain-specific markup languages: their functions in knowledge representation in digital libraries. *Library and Information Service* (Tushu Qingbao Gongzuo) No. 10, 2002: 14-22. (Text in Chinese)

Zhang, Xiaolin, Zeng Lei, Li Guangjian, Feng Ying, Liu Wei. 2002. Standards and specifications for the development of digital libraries. *Journal of Library Science in China* (Zhongguo Tushuguan Xuebao), 2002. No. 6: 7-16. (Text in Chinese)

Zeng, Marcia Lei, Foster J Zhang, & Zong-ying Yang. 2000. Digital libraries: where to go? *Journal of the China Society for Sci/Tech Information* (Qingbao Xuebao), 19(1):64-73. (text in Chinese)

Zeng, Lei, & Jia Zhang. 1997. Information industry in China: how to face the challenges of the 21st century. *Journal of the China Society for Sci/Tech Information* (Qingbao Xuebao), 16(2):133-138. (text in Chinese)

Zeng, Lei, & Xin Lu. 1995. Information retrieval technologies and applications. *Advances in Information Science--Annual Review*. Vol. 1: 108-137. Beijing: China Society for Scientific & Technical Information. ISSN 10007490 (Text in Chinese.)

Zeng, Lei. 1994. Perspectives on indexing languages: new approaches in networking environments

and the future development in China. *Journal of the China Society for Sci/Tech Information* (Qingbao Xuebao), 13(5):325-332. (text in Chinese)

Zeng, Lei. 1993. Automation of indexing: Computer-aided indexing and index construction. *Journal of the China Society for Sci/Tech Information* (Qingbao Xuebao), 12(3):207-217. (text in Chinese). Reprinted in *Automation of Indexing*, Shanghai: China Society of Indexers, 1994:43-55.

Zeng, Lei. 1992. An overview of automated bibliographic control of Chinese materials. *Bulletin of the Library Science in China* (Zhongguo Tushuguan Xuebao), 18(2):46-58. (text in Chinese)

Zeng, Lei. 1991. Approaches to securing compatibility of indexing languages. *Journal of the China Society for Sci/Tech Information* (Qingbao Xuebao), 10(2):151-158. (text in Chinese)

Zeng, Lei. 1988. Trends and methods of research on indexing languages of recent years: a comparative study between China and abroad. *Knowledge of Library and Information Science* (Tushu Qingbao Zhishi), 1988(3):16-19, 33. (text in Chinese)

Zeng, Lei. 1987. A unified system of descriptors and thesauri in China. *Journal of the China Society for Sci/Tech Information* (Qingbao Xuebao), 6(1):38-43. (text in Chinese)

Zeng, Lei. 1986. Thesauri as the main trend of indexing languages. *Information Science* (Qingbao Kexue) 7(4):74-57. (text in Chinese)

Zeng, Lei. 1986. Quality evaluation and improvement of the "Chinese Thesaurus". *Journal of the China Society for Sci/Tech Information* (Qingbao Xuebao), 4(3):194-201. (text in Chinese)
Reprinted by the China Library Association ed.: *Series of Selected Library and Information Science Research Papers in China (1949-1989) No. 6: Indexing Languages*, pp 250-266. Beijing: Bibliography and Documentation Press. ISBN 7501307903

Zhang, Qi-yu, & Lei Zeng. 1985. Fuzzy and vague phenomena in hierarchical classification. *Knowledge of Library and Information Science* (Tushu Qingbao Zhishi), 1985(2):7-10. (text in Chinese)

Zeng, Lei. 1983. Trend towards compatibility of indexing languages. *Knowledge of Library and Information Science* (Tushu Qingbao Zhishi), 1983(4):21-24, 47. (text in Chinese)

Zeng, Lei. 1982. An investigation and analysis of the publications on indexing languages during the last 32 years in China (1949-1981). *Knowledge of Library and Information Science* (Tushu Qingbao Zhishi), 1982(2):29-33. (text in Chinese)

Dissertation

Zeng, Lei. 1992. *An Evaluation of the Quality of Chinese-Language Records in the OCLC OLC Database and a Study of a Rule-based Data Validation System for Online Chinese Cataloging*. (Ph.D. Dissertation). PA: University of Pittsburgh, 1992. 220 pages. (This dissertation won 1992 American Society for Information Science Doctoral Forum Award.)

Compiling and Editing Works

Digital Humanities (DH). A special issue of *Journal of the Association for Information Science and Technology (JASIST)* (Lead Guest Editor). <https://www.asist.org/2020/06/04/jasist-special-issue-on-digital-humanities-dh/> (Submission time: Jan.1-15, 2021.)

語意網視野下的知識組織與文化資產 Knowledge Organization and Cultural Heritages: Perspectives of Semantic Web. 2017. A special issue of *圖書館學與資訊科學 Journal of Library and Information Science* 2017, 43(2). (Served as the Guest Editor. Text in Chinese, with long English abstracts). Available at: <http://jlis.glis.ntnu.edu.tw/ojs/index.php/jlis/issue/view/89> ISSN 0363-3640

Metadata Basics. (2005, updated 2015) (A web-based tutorial prepared for the American Library Association (ALA) ALCTS (The Association for Library Collections & Technical Services) and the Library of Congress, which was commissioned as part of the response to *Bibliographic Control of Web Resources: A Library of Congress Action Plan*.)

<http://marciazeng.slis.kent.edu/metadatabasics/index.htm>

Português version, translated by Maria de Cléofas Faggion Alencar for FEBAB

<http://marciazeng.slis.kent.edu/metadatabasics/Portuguese/cover.htm>

Construction of Controlled Vocabularies, A Primer. (2005, based on Z39.19).

<http://marciazeng.slis.kent.edu/Z3919/index.htm>

Networked Knowledge Organization Systems/Services. A special issue of the *New Technology of Library and Information Service*, 2004, No.1. (Served as the Guest Editor. Text in Chinese)

Chinese Classified Thesaurus, 6 vols. Ed. in chief: Liu Xiang-sheng. Beijing: Huayi Press. 1994. (A China National Science Foundation project. Served on the Editorial Committee. Text in Chinese)

A Descriptive Bibliography of Dictionaries in the Chinese Collection, East Asian Library, University of Pittsburgh. by Thomas C. Kuo; Lisa C. Woo, & Lei Zeng, PA: University of Pittsburgh. 1990.

Tools Developed

Structured Data for Bios (Templates for generating structured data for bio webpages with schema.org microdata or RDFa. 2016.) <http://www.metadatec.org/bios-data-project/>

SPARQL Query Creator (For Dbpedia dataset endpoint, prepared for teaching purpose, 2013).

<http://marciazeng.slis.kent.edu/metadatec/sparqlTemp.html>

A visualization work and recording "Using DBpedia's data to trace the influential artists" is presented in the Beauty of Data Exhibition, Feb. 2016 at the MuseLab, SLIS, KSU

Dublin Core (DC) Template (Based on DCMES) (For generating html, xml records, prepared for teaching purpose, 2013)

<http://metadatec.org/dctemplate.html>

Show records: <http://metadatec.org/showSavedRecords.php>

KOS Description Template (Core Metadata) -- Create descriptions of KOS based on DCMI/NKOS-AP data model <http://metadatec.org/NKOS-AP-template2.html>

Template for Cataloging Historical Fashion Collections at Kent State University, based on VRA Core 3 Metadata Standard

(By-product of metadata research, 2001.)

<http://marciazeng.slis.kent.edu/fashionHTMLtemplate/vra3template.htm>

A Quick Self-Checking Guide to Chinese Records in the OCLC Online Library Union Catalog.

<http://marciazeng.slis.kent.edu/CJK/home.htm>

HTML Templates for Librarians and Information Professionals (for generating thesauri and indexes)
(Web-based product. Used by various library and information sciences indexing courses since 1997)

<http://marciazeng.slis.kent.edu/template/intro/toc.html>

Other Special Webpages / Websites

Visual Representation of Knowledge Structures

<http://metadataetc.org/KOSVisual/index.html>

Taiwanese Artists related to Chen Cheng-po

<http://www.metadataetc.org/bios-data-project/short-bios/>

Metadata, 2nd. Ed. Marcia Lei Zeng, Jian Qin. Website

<http://metadataetc.org/book-website2nd/>

History of Chinese Libraries & Digital Dunhuang project. -- A lecture note.

<http://marciazeng.slis.kent.edu/Dunhuang/libraryhistory.htm>

Beichuan Library: Before and after 2008 Earthquake. Photos.

http://marciazeng.slis.kent.edu/Beichuan_Library/

Digital Library of Complementary and Alternative Medicine (CAMed). (with Columbia University Rosenthal Center for Complementary and Alternative Medicine and Columbia University Health Sciences Division, Office of Scholarly Resources, various private and government funds) 1997 -- 2002. CAMed prototype I (login:herb; pw:herb1016):

<http://marciazeng.slis.kent.edu/MeshNIH/top/home.htm>

Translation Works

O'Neill, Edward T. & Lois Mai Chan (authors), Marcia Lei Zeng (translator). 2004. FAST (Faceted Application of Subject Terminology): A simplified LCSH-based vocabulary. *New Technology of Library and Information Service* (Xiandai Tushu Qingbao Jishu) No.1, 2004. (Translation from English to Chinese)

Hill, Linda (author), Zeng, Lei (translator). 1991. Representation of geographic concepts in online bibliographic files. *Journal of the China Society for Sci/Tech Information*, 9(6):404-410. (Translation from English to Chinese)

Fidel, Raya (author), Zeng, Lei (translator and editor). 1989. Research Agenda for information organization, indexing, and retrieving. *Journal of the China Society for Sci/Tech Information*, 8(3):314-316. (Translation from English to Chinese)

Zeng, Lei, & Xu-zhou Zhou ed. 1985. *Library Services for Children all over the World*. 135 pages.

Wuhan: Wuhan Children's Library. (Translation from English to Chinese)

Book Reviews and Prepublication Reviews

Zeng, Marcia Lei and Shu-Jiun Chen. 2018. Knowledge Organization and Cultural Heritages: Perspectives of Semantic Web. Report on the 2016 Seminar and a Special Journal Issue. *Digital Humanities Quarterly*, 12(2). <http://www.digitalhumanities.org/dhq/vol/12/1/000370/000370.html>

Introduction to Controlled Vocabularies: Terminology for Art, Architecture, and Other Cultural Works. By Patricia Harpring. Los Angeles, California: The Getty Research Institute, 2009.

A Framework of Guidance for Building Good Digital Collections. By NISO Framework Advisory Group. (2007). 3rd ed. Priscilla Caplan, et. al. URL: <http://framework.niso.org/>

Knitting the Semantic Web, edited by Jane Greenberg and Eva Mendez. The Haworth Press, 2007.

Electronic Cataloging: AACR2 and Metadata, edited by Dr. Sheila S. Intner, Sally Tseng and Mary Lynette Larsgaard. The Haworth Press, 2003.

Libraries and Librarianship in China. By Sharon Chien Lin. Westport, Conn.: Greenwood Press, 1998. ISBN 0-313-28937-9. *Library Quarterly*, 70(1), January 2000: 151-153.

Environmental Knowledge Organization and Information Management. Proceedings of the First European ISKO Conference, 14-16 Sept. 1994, Bratislava, Slovakia. (Knowledge Organization in Subject Areas, Vol.1). Edited by Pavla Stancikova and Ingetraut Dahlberg. Frankfurt/Main: INDEKS VERLAG, 1994. 2 vols. *Knowledge Organization*, 23(1)46-47, 1996.

Research Reports

Zeng, Marcia Lei and the Smart Data team. 2018. Digital Humanities Research with Smart Big Data — A Network Framework of Innovation History. A 5-parts Report. Submitted to the Research and Sponsored Programs, and Liquid Crystal Research Institute, Kent State University.

Crandall, Michael D., Marcia Lei Zeng, Thomas Baker, et al. 2017 Linked Data for Professional Education (LD4PE). Final Report to IMLS for grant period of Dec. 1, 2014 – Nov. 30, 2017.

Zeng, Marcia Lei, on behalf of the Smart Data team. 2016. Digital Humanities Research with Smart Big Data — A Network Framework of Innovation History, Mid-year Report. Submitted to the Research and Sponsored Programs, Kent State University.

Zeng, Marcia Lei and Karen F. Gracy. 2014. Connecting libraries to the unfamiliar data and metadata resources in the Linked Open Data (LOD) universe: The Metadata Vocabulary Junction (MV-Junction) Project (<http://lod-lam.slis.kent.edu>). Final Report to IMLS for grant period of October 1, 2011 – September 30, 2014. 12 pages.

Subirats, Imma and Marcia Lei Zeng. 2012. (Updated 2015). *LODE-BD Recommendations 2.0 -- Report on how to select appropriate encoding strategies for producing Linked Open Data (LOD)-enabled bibliographic data*. 2012-08. Released by Agricultural Information Management Standards (AIMS), Food and Agriculture Organization (FAO) of the United Nations. 50 pages. Available at:

<http://aims.fao.org/lode/bd>

Subirats, Imma and Marcia Lei Zeng. 2012. *Meaningful Bibliographic Metadata (M2B): Recommendations of a set of metadata properties and encoding vocabularies*. 2012. Beta version. Released by Agricultural Information Management Standards (AIMS), Food and Agriculture Organization (FAO) of the United Nations. 2012-03. Available at: <http://aims.fao.org/advice/metadata-beta-version>

Library Linked Data Incubator Group Final Report, W3C Incubator Group Report 25 October 2011. 2011. Baker, T., Bermès, E., Pompidou, C., Coyle, K., Dunsire, G., Isaac, A., Murray, P., Panzer, M., Schneider, J., Singer, R., Summers, E., Waites, W., Young, J. and Zeng, M., available at: <http://www.w3.org/2005/Incubator/lld/XGR-llid-20111025/>

Library Linked Data Incubator Group: Datasets, Value Vocabularies, and Metadata Element Sets. W3C Incubator Group Report 25 October 2011. 2011. Isaac, A., Waites, W., Young, J. and Zeng, M., available at: <http://www.w3.org/2005/Incubator/lld/XGR-llid-vocabdataset-20111025/>

Zeng, Marcia Lei. 2011. *Mapping AAT to SKOS. Report of a Preliminary Study (Version 1.1)*. Submitted to the Vocabulary Program, Getty Research Institute, The J. Paul Getty Trust, Aug. 2011-08. 110 pages.

Subirats, Imma and Marcia Lei Zeng. 2011. *LODE-BD Recommendations v.1.1 Report on how to select appropriate encoding strategies for producing Linked Open Data (LOD)-enabled bibliographic data*. (2011). Agricultural Information Management Standards (AIMS), Food and Agriculture Organization (FAO) of the United Nations. 57 pages.

Functional Requirements for Subject Authority Data, A Conceptual Model. 2010. Final report prepared by the IFLA Working Group on Functional Requirements for Subject Authority Records. Edited by Marcia Lei Zeng, Maja Zumer, and Athena Salaba. <http://www.ifla.org/node/1297> . 75 pages.

Zeng, Marcia, Jaesun Lee and Allene Hayes. 2008- Survey on metadata decisions for digital libraries. Website: <http://www.metadataetc.org/survey-results/>

Zeng, Marcia Lei and Gregory Shreve. 2007. *Quality Analysis of Metadata Records in the NSDL Metadata Repository*. NSF Award Number DUE #0333572. A research report submitted to the National Science Foundation, 2007-02-28. 73 pages.

Zhang Xiaolin (director), Marcia Lei Zeng, Li Guangjian, Liu Wei, and Feng Ying. 2002. *Open Description for Information Systems in a Distributed Environment: Standards and specifications*. A research report submitted to the Chinese Science Digital Library (CSDL) program, Chinese Academy of Sciences, 2002. Project number:csdl2002-15. 15 pages. (Text in Chinese)

Zhang Xiaolin (director), Marcia Lei Zeng, Li Guangjian, Liu Wei, and Feng Ying. 2002. *Development and Application of Administrative Metadata for Digital Libraries*. A research report submitted to the Chinese Science Digital Library (CSDL) program, Chinese Academy of Sciences, 2002. Project number:csdl2002-15. 15 pages. (Text in Chinese)

Smith, Terence R., Marcia L. Zeng, and ADEPT Knowledge Organization Team. 2002. *Structured models of scientific concepts as a basis for organizing, accessing, and using learning materials*.

Department of Computer Science, University of California, Santa Barbara (Technical Reports #2002-05). (Was available at: <http://www.cs.ucsb.edu/research/trcs/abstracts/2002-05.shtml>)

Zeng, Marcia Lei. 1999. *Metadata Elements for Object Description and Representation, A Case Report from a Digitized Historical Fashion Collection Project*. A research report submitted to OCLC LISRP. 23 webpages. Published by *Annual Review of OCLC Research 1999*.

Zeng, Marcia Lei, & Barbara Anderson. 1998. *A Usability Study on the New (Dataware) Interface for OhioLINK Research Databases*. A research report submitted to OhioLINK. 57 pages.

Schloman, Barbara F., & Marcia Lei Zeng. 1997. *A Study of Innovative Interfaces (III) Search Interface from End-Users' Key Routines*. A research report submitted to OhioLINK. 21 pages.

Zeng, Marcia Lei. 1996. Developing control mechanisms for intellectual access for discipline-based virtual libraries -- A study of the process. *Annual Review of OCLC Research 1995*: 61-64.

Rasmussen, Edie, & Marcia Lei Zeng. 1992. *An Evaluation of the Quality of Chinese Records in the OCLC Database and a Study of a Rule-based Data Validation System*. A report submitted to OCLC. 69 pages.

Rasmussen, Edie, & Marcia Lei Zeng. 1992. The quality of Chinese records in the OCLC database-- a proposal for rule-based validation. *Annual Review of OCLC Research, July 1991-June 1992*: 58-60.

Standards, Specifications, and Manifesto

(Contributed to the publications of the standards, specifications, and manifesto as a Working Group member)

Networked Knowledge Organization Systems Application Profile (NKOS AP) (2015)
<http://nkos.slis.kent.edu/nkos-ap.html>

ISO 25964 SKOS Extension (iso-thes) 2014-08.
http://lov.okfn.org/dataset/lov/details/vocabulary_iso-thes.html
<http://pub.tenforce.com/schemas/iso25964/skos-thes/>

ISO 25964-2:2013 Information and documentation -- Thesauri and interoperability with other vocabularies -- Part 2. Interoperability with other vocabularies. ISO TC 46/SC 9 Working Group on ISO 25964. Approved and published by ISO 2013-03. Info: www.niso.org/schemas/iso25964/

ISO 25964-1:2011 Information and documentation -- Thesauri and interoperability with other vocabularies -- Part 1: Thesauri for information retrieval. Prepared by ISO TC 46/SC 9 Working Group on ISO 25964. Leader: Stella Dextre Clarke. Approved and published by ISO 2011-08-08. 152 pages.

The Asset Description Metadata Schema (ADMS). Prepared by the ADMS Working Group, Interoperability Solutions for European Public Administrations (ISA) Programme, European Union. Released 2011-12-08. Available at: <http://joinup.ec.europa.eu/asset/adms/home>

IFLA Manifesto for Digital Libraries. Prepared by IFLA Working Group on Digital Libraries.

(Endorsed by the IFLA Governing Board in December 2007 and revised in December 2010. Endorsed by UNESCO, Nov., 2011) Available at: <http://www.ifla.org/digital-libraries/manifesto>

ANSI/NISO Z39.19. Guidelines for the Construction, Format, and Management of Monolingual Controlled Vocabularies. Prepared by the NISO Z39.19 Working Group. Approved and published by NISO in 2005 and 2010-03-15. ISBN 978-1-880124-65-9 .172 pages.

Articles in non-Refereed Publications

Zeng, Marcia Lei. 2017. Creating structured data for online bios. *Research & Reflections* (An online journal) April 2017. <http://journal.fulbright.org.tw/index.php/browse-topics/cutting-edge-technology-medical-research/item/358-creating-structured-data-for-online-bios>

Zeng, Marcia Lei and Gail Hodge. 2011. Developing a Dublin Core Application Profile for the Knowledge Organization Systems (KOS) Resources. *Bulletin of the American Society for Information Science and Technology*, 37(4):30-34. http://www.asis.org/Bulletin/Apr-11/AprMay11_Zeng_Hodge.html

Zeng, Marcia Lei and Wei Fan. 2008. SKOS and its application in transferring traditional thesauri into networked knowledge organization systems. In: *Proceedings: New Perspectives on Subject Indexing and Classification in an International Context -- International Symposium in Honour of Magda Heiner-Freiling*. Deutsche Nationalbibliothek, April 10, 2008: 157-166.

Zeng, Marcia Lei and Lois Mai Chan. 2006. Metadata Interoperability and Standardization-- A Study of Methodology. Part II: Achieving Interoperability at Record and Repository Levels. *D-Lib Magazine*, Vol.12, No.6. Available: <http://www.dlib.org/dlib/june06/zeng/06zeng.html> doi:10.1045/june2006-zeng

Chan, Lois Mai and Marcia Lei Zeng. 2006. Metadata Interoperability and Standardization -- A Study of Methodology. Part I: Achieving Interoperability at Schema Level. *D-Lib Magazine*, Vol.12, No.6. <http://www.dlib.org/dlib/june06/chan/06chan.html> doi:10.1045/june2006-chan

Zeng, Marcia Lei. 2005. Using software to teach thesaurus development and indexing in graduate programs of LIS and IAKM. *Bulletin of the American Society for Information Science and Technology* 31(6): 11-13. <http://www.asis.org/Bulletin/Aug-05/zeng.html>

Zeng, Marcia Lei. 2001. Indexing website: a taste of challenge. *Key Words, Bulletin of the American Society of Indexers* 9(2):43-45. (This paper is a feature article in this issue.)

Zeng, Marcia Lei. 2001. The Documentation and Information Center of the Chinese Academy of Sciences. *International Dictionary of Library Histories*. David Stam Ed. Chicago: Fitzroy Dearborn Publishers: 290-292.

Zeng, Lei. 1995. Current electronic information market in China: an overview and analysis. *Bulletin of the American Society for Information Science*, 21(5):9-11.

Zeng, Lei. 1990. An overview of the abstracting and indexing services in China. *The Indexer*, 17(2):99-107. Reprinted by *Learned Publishing* 4(1) 1990:17-28. Reprinted again by *Learned Publishing* 6(1) 1993:17-28.

Zeng, Lei. 1985. Current status of the application of thesauri in China. *Journal of the National Library of China*, 1985(2):28-38. (text in Chinese)

Zeng, Lei. 1985. Clustering in hierarchical classification. *Library Field*, 1985(3):31-33. (text in Chinese)

Contributions to Columns of Professional Publications

Zeng, Marcia Lei and Shu-Jiun Chen. 2018. From the Guest Editors. Knowledge Organization and Cultural Heritages: Perspectives of Semantic Web, Special issue of *圖書館學與資訊科學 Journal of Library and Information Science*, 43(2): 4-6.
<http://jlis.glis.ntnu.edu.tw/ojs/index.php/jlis/issue/view/89>

Mayr, Philipp, Douglas Tudhope, Stella Dextre Clarke, Marcia Lei Zeng, and Xia Lin. 2016. Recent applications of Knowledge Organization Systems: introduction to a special issue. *International Journal on Digital Libraries*, 17(1):1-4.

Zeng, Marcia Lei and Gail Hodge. 2013. Semantic Search: Magnet for the Needle in the Search Haystack. Report on the 2012 Joint NKOS/CENDI Workshop. *D-Lib Magazine* 19 (3/4).
<http://www.dlib.org/dlib/march13/zeng/03zeng.html>

Zeng, Marcia Lei and Gail Hodge. 2010. Report on the 2009 Joint CENDI/NKOS Workshop - Knowledge Organization Systems: Managing to the Future. *D-Lib Magazine* 16(7/8).
<http://www.dlib.org/dlib/july10/zeng/07zeng.htm>

Zeng, Lei. 2000. China Society of Indexers. *Key Words, Bulletin of the American Society of Indexers* 8(1):25.

Zeng, Lei. 1997. Overseas scholars talks on library and information science. *Journal of Academic Libraries* 15(1):1-5. (text in Chinese)

Zeng, Lei. 1995. Network of Indexers-- China Society of Indexers. *The Indexer* 19(3):218, 1995 & 18(4):268, 1993.

Zeng, Lei. 1993. Chinese Society of Indexers founded in Shanghai. *Knowledge Organization* 20(3):160.

Zeng, Lei. 1993. The 16th ACM/SIGIR International Conference in Research and Development in Information Retrieval. *Journal of the China Society for Sci/Tech Information* 12(6):479-480. (text in Chinese)

Zeng, Lei. 1992. The fifth International Conference on Classification Research. *Bulletin of the Library Science in China* 18(1).

Zeng, Lei. 1990. International Society for Knowledge Organization and its first international conference. *Bulletin of the Library Science in China* 16(3).

PRESENTATIONS

Presentations at National and International Conferences

(Note: Most of the papers listed here have been published in refereed conference proceedings or professional journals; therefore, they may have already been listed in the above categories.)

Zeng, Marcia Lei. 2020. Smart Data for Digital Humanities. (Keynote) *11th International Conference of Digital Archives and Digital Humanities (DADH 2020)*, Dec. 1-4, 2020. Taiwan.

Zeng, Marcia Lei. 2020. Implementing the Linked Data Competency Index (LDCI) in Teaching and Training. (Panel) *Linked Data Education and Training: Past, Present, and Future. 83th Association for Information Science and Technology (ASIS&T) Annual Conference*. Oct. 22-Nov. 1, 2020, virtual.

Hong, Yi & Marcia Zeng. 2020. Implications of the Major Health KOSs During the COVID-19 Pandemic: A Review of their Efforts, Coding Guidelines, and Usages. *NKOS Consolidated Workshop 2020*. September 9-10. 2020, virtual.

Zeng, Marcia Lei. 2019. Smart Data for Digital Humanities. (Keynote) *SWIB19 - 11th Semantic Web in Libraries Conference*, 25-27 November 2019, Hamburg, Germany.

Subirates Coll, Imma, and Marcia Zeng. 2019. Technical and Policy Underpinnings of FAIR Data Principles. (Panel) *Association for Information Science and Technology (ASIS&T) 82th Annual Conference*, 19-23 October 2019 Melbourne, Australia.

Subirates Coll, Imma, and Marcia Zeng. 2019. AGRIS' Step of Integrating Research Datasets Metadata. *Best Practice Day. 2019 DCMI Annual Conference*, 23rd - 26th September 2019. Seoul, South Korea.

Zeng, Marcia Lei. 2019. The Role of Metadata in Supporting Digital Humanities. (Panel Chair) [with Shigeo Sugimoto (Japan), Sophy Shu-Jiun Chen (Taiwan), Koraljka Golub (Sweden), Lala Hajibayova (USA), & Wayne de Fremery (South Korea)]. *2019 DCMI Annual Conference*, 23rd - 26th September 2019. Seoul, South Korea.

Zeng, Marcia Lei. 2019. iSchools Digital Humanities Curriculum Committee (iDHCC) Report. *2019 DCMI Annual Conference*, 23rd - 26th September 2019. Seoul, South Korea.

Zeng, Marcia Lei and Julaine Clunis. 2019. Functional Metrics for Linked Open Data (LOD) KOS Products. *NKOS Workshop. 2019 DCMI Annual Conference*, 23rd - 26th September 2019. Seoul, South Korea.

Zeng, Marcia Lei. 2019. Ensuring semantic interoperability and creating interoperable taxonomies. *2019 Special Libraries Association (SLA) Annual Conference*. June 16, 2019. Cleveland, OH.

Zeng, Marcia Lei, Karen Gracy, and Julaine Clunis. 2018. Event-based macro ontology modeling for historical resource collections. *NKOS Workshop. 20th International Conference on Asia-Pacific Digital Libraries (ICADL)*. Nov. 19-22, University of Waikato, Hamilton, New Zealand.

Zeng, Marcia Lei. 2018 Towards Easier Access and Effective Usage of LOD Datasets. *Human Rights in Cyberspace, PNC (Pacific Neighborhood Consortium) 2018 Annual Conference and Joint Meetings*,

co-located with Digital Heritage 2018-3rd International Congress & Expo. October 27-30, 2018, Fort Mason Center for Arts & Culture, San Francisco, USA.

Zeng, Marcia Lei and Philipp Mayr. 2018. LOD KOS interoperability and NKOS network structure analyses. The joint Networked Knowledge Organization Systems (NKOS) Workshop, *TPDL 2018 and DC-2018*, Sept. 13, 2018, Porto, Portugal.

Zeng, Marcia Lei. 2018. Providing Access to Cultural Objects Curated in Digital Collections – Models and Profiles. Panel. *International Conference on Dublin Core and Metadata Applications (DCMI) 2018* Sept. 10-13, Porto, Portugal.

Zeng, Marcia Lei, Shu-Jiun Chen. 2018 Derivative interpretation of biographical sketches (bios) supporting innovative information access. *The 15th International ISKO Conference*, 9 - 11 July 2018, Porto, Portugal.

Zeng, Marcia Lei. 2018. Knowledge organization systems. Panel dedicated to Ingetraut Dahlberg. *The 15th International ISKO Conference*, 9 - 11 July 2018, Porto, Portugal.

Zeng, Marcia Lei. 2018 Semantic enrichment for enhancing LAM data and supporting Digital Humanities. Presentation at ALCTS CaMMS (Cataloging and Metadata Management Section) Subject Analysis Committee meeting. *2018 ALA Annual Meeting*, June 25, 2018.

Zeng, Marcia Lei. 2017. Standards and Best Practices Related to the Publication, Exchange, and Usage of Open Data. Panel at the *80th Annual Meeting of the American Society for Information Science and Technology (ASIS&T)* October 27-Nov. 1, Washington, D.C.

Michael D. Crandall, Stuart A. Sutton, Marcia Zeng, Thomas Baker. 2017. LD4PE: A Competency-based Guide to Linked Data Principles and Practices. *Advancing metadata practice: Quality, Openness, Interoperability, DCMI International Conference on Dublin Core & Metadata Application*, Oct. 26-29, 2017, Washington, D.C.

Zeng, Marcia Lei and Tao Hu. 2017. Advanced Uses of Thesauri that are Released with Multiple Services: Websites, APIs, and SPARQL Endpoints. The 11th U.S. Networked Knowledge Organization Systems (NKOS) Workshop at *DC2017*. October 29, 2017, Washington, D.C.

Zeng, Marcia Lei, and Philipp Mayr. 2017. Knowledge Organization Systems (KOS) in the Semantic Web: Is the whole greater than the sum of its parts? -- A multi-dimensional review. *Knowledge Organization – what's the story? Classification, Indexing, Taxonomies and Ontologies - current state and direction of travel. ISKO-UK Biennial Conference*, Sept. 11-12, London.

Zeng, Marcia L. and James Lee. 2017. Smart Data Approaches to Exploring Independent Datasets across Disciplines, Media, and Perspectives for Research in the Humanities. *Digital Humanities 2017*, August 8-11, 2017, Montreal, Canada.

Li, Hongshan, Marcia Lei Zeng, et. al. 2017. Tackling Innovation Networks with Smart Data: A Case Study of the Liquid Crystal Institute at Kent State University. *Digital Humanities 2017*, August 8-11, 2017, Montreal, Canada.

Zeng, Marcia Lei. 2017. Introducing a Competency Framework for Linked Data Practice & Related Learning Resources. *2017 Society for Scholarly Publishing (SSP) 39th Annual Meeting*, May 31 – June 2, 2017, Boston, Massachusetts, USA.

Zeng, Marcia Lei & Tao Hu. 2017. Extending exhibitions to historical journeys through data [in the Semantic Web]. *MW17: Museums and the Web Conference*, April 19-22, 2017 Cleveland, Ohio, USA.

Zeng, Marcia Lei. 2016. Quality of entity-level data linking and mashing-up based on LOD-enabled KOS vocabularies. Presented at the NKOS/DCMI workshop: Metadata Modeling and Knowledge Representation for Research Data, *18th International Conference on Asia-Pacific Digital Libraries (ICADL)*. December 5 to 9, 2016, Tsukuba, Japan.

Qin, Jian & Marcia Lei Zeng. 2016. Linking bioinformatics research data and publications through metadata and knowledge organization systems. 16th Networked Knowledge Organization Systems (NKOS) Workshop, *International Conference on Dublin Core & Metadata Applications*, October 13-16, 2016, Copenhagen, Denmark.

Baker, Thomas, Cradall, Michael, Majorie Hlava, Stuart Sutton, and Marcia L. Zeng. Competency-based discovery for learning Linked Data. *International Conference on Dublin Core & Metadata Applications*, October 13-16, 2016, Copenhagen, Denmark.

Zumer, Maja, and Marcia Lei Zeng. 2016. The new FRBR-LRM model: some accents. 14th *International Society for Knowledge Organization (ISKO) Conference*, September 27-29, 2016, Rio de Janeiro, Brazil.

Zeng, Marcia Lei. (Invited keynote speaker). 2016. Subject Access, Smart Data, and Digital Humanities: Finding Unlimited Opportunities through their Intersections. Presented at Subject Access: Unlimited Opportunities, *IFLA 2016 Satellite Conference*, August 11-12, 2016, Columbus, Ohio.

Zeng, Marcia Lei, Yin Zhang, Hongshan Li, and Serhiy Polyakov. 2015. Exploring Smart Data Approaches to the History of Innovation and Invention at Liquid Crystal Institute at Kent State University. Presented at the Digital Humanities Panel, *2015 International Conference on Asia-Pacific Digital Libraries (ICADL)*, December 9-12, 2015, Seoul, Korea.

Zeng, Marcia Lei, Julaine Clunis, & Vladimir Alexiev. 2015. Innovative Use of Knowledge Organization Systems (KOS) that are Published as Linked Open Data (LOD). Presented at the first Asian Networked Knowledge Organization Systems (NKOS) Workshop, *17th International Conference on Asia-Pacific Digital Libraries (ICADL)*, December 9, 2015, Seoul, Korea.

Zeng, Marcia Lei. 2015. If You Build It, Will They Come? – A Discussion of Use Cases and Barriers of Using the Knowledge Organization Systems (KOS) Available as Linked Open Data (LOD). *78th Annual Meeting of the American Society for Information Science and Technology (ASIS&T)*, Nov. 6-10 St Louis, Missouri.

Zumer, Maja & Marcia Lei Zeng. 2015. Application of FRBR and FRSAD to Classification Systems. *5th International UDC Seminar: Classification & Authority Control: Expanding Resource Discovery*, 29-30 October 2015, Lisbon, Portugal.

Zeng, Marcia Lei. 2015. Metadata: What is it? Why is it important? Panel: Dealing with Metadata: Content, Distribution, and Availability. *Council of Science Editors (CSE) 2015 Annual Meeting*, May 15-18, 2015, Philadelphia, Pennsylvania.

Subirats, Imma & Marcia Lei Zeng. 2014. Using KOS as the Connectors of Linked Datasets. Panel: Knowledge Organization Systems (KOS) as Linked Data Services. *77th Annual Meeting of the American Society for Information Science and Technology (ASIS&T)*, Nov. 1-6, 2014, Seattle, Washington.

Gracy, Karen F., Sammy Davidson & Marcia Lei Zeng. 2014. Semantic Analysis Method (SAM): A Tool for Identifying Potential Access Points in Unstructured Text. Paper presented at the *13th European Networked Knowledge Organization Systems (NKOS) Workshop, Digital Libraries 2014 Conference*, September 11-12, 2014, London, UK.

Zeng, Marcia Lei, Karen Gracy, and Maja Zumer. 2014. Using a Semantic Analysis Tool to Generate Subject Access Points: A Study using Panofsky's Theory and Two Research Samples. Paper presented at *13th International Society for Knowledge Organization (ISKO)*, May 19-22, 2014, Krakow, Poland.

Salaba, Athena and Marcia Lei Zeng. 2014. Extending the "Explore" User Task Beyond Subject Authority Data Into the Linked Data Sphere. Paper presented at *13th International Society for Knowledge Organization (ISKO)*, May 19-22, 2014, Krakow, Poland.

Zeng, Marcia Lei, et. al. 2014. Discussion panel: Education for Knowledge Organization. Chair: R. Sapa. *13th International Society for Knowledge Organization (ISKO)*, May 19-22, 2014, Krakow, Poland.

Zeng, Marcia Lei and Maja Zumer. 2013. Managing and sharing KOS through registries and microdata using a metadata application profile. Panel presentation at the *76th Annual Meeting of the American Society for Information Science and Technology (ASIS&T)*, Nov. 1-6, 2013, Montreal, Canada.

Green, Rebecca, Diane Vizine-Goetz, Marcia Lei Zeng, and Maja Žumer. 2013. From modeling to visualization of topic relationships in classification schemes. *International UDC Seminar 2013- Classification & Visualization: interfaces to knowledge*, 24-25 October 2013, The Hague, Neatherlands.

Zeng, Marcia Lei. 2013. Understanding and Using Linked Data In the Practices of Libraries, Archives, and Museums (LAM). = Entendendo e usando Linked Data em Bibliotecas, Arquivos, e Museus (LAM). (Invited Plenary Speaker). *III International Seminar of Museum Archives and Research, (III Seminário Internacional Arquivos, de Museus e Pesquisa Humanidades e Interfaces Digitais)*, Sept. 17-18, 2013, São Paulo, Brazil.

Zeng, Marcia Lei and Maja Zumer. 2013. A Metadata application profile for KOS vocabulary registries. Paper presented at *International Society for Knowledge Organization (ISKO) UK Conference: Knowledge Organization: Pushing the Boundaries*, July 8-9, 2013, London. <http://www.iskouk.org/conf2013/slides/ZengSlides.pptx>

Hong, Yi, Marcia Lei Zeng, Jin Zhang, Alexandra Dimitroff and Charles E. Kahn, Jr. 2013. Application of standardized biomedical terminologies in radiology reporting templates. *International*

Society for Knowledge Organization (SKO) UK Conference: Knowledge Organization: Pushing the Boundaries, July 8-9, 2013, London. <http://www.iskook.org/conf2013/papers/HongPaper.pdf> (This article was selected by the organizing committee for publishing on a refereed journal.)
<http://www.iskook.org/conf2013/slides/HongSlides.pptx>

Zeng, Marcia Lei. The state of KOS in the Linked Data movement - The publishing, management, and interoperating of KOS for the Semantic Web. Panel presentation at the *75th Annual Meeting of the American Society for Information Science and Technology (ASIS&T)*, Baltimore, Maryland, October 26-30, 2012. PPT:
<http://www.slideshare.net/MarciaZeng/zeng-asist2012>

Mitchell, Joan S., Marcia Lei Zeng, and Maja Žumer. Modeling classification systems in multicultural and multilingual Contexts. Paper presented at the *IFLA Satellite Post-Conference: Beyond Libraries – Subject Metadata in the Digital Environment and Semantic Web*, 17-18 August 2012, Tallinn, Estonia. Paper:
http://www.nlib.ee/html/yritus/ifla_jarel/papers/3-3_Mitchell.docx

Chen, Shu-jiun, Marcia Lei Zeng, and Hsueh-hua Chen. Alignment of conceptual structures in controlled vocabularies in the domain of Chinese art – A discussion of issues and patterns. Paper presented at the *Twelfth International Society for Knowledge Organization (SKO) Conference*, 6-9 August 2012, Mysore, India.

Žumer, Maja, Marcia Lei Zeng, and Joan S. Mitchell. FRBRizing KOS relationships: Applying the FRBR model to versions of the DDC. Paper presented at the *Twelfth International Society for Knowledge Organization (SKO) Conference*, 6-9 August 2012, Mysore, India.

Zeng, Marcia Lei. (Invited plenary session speaker). Contributing to the smart city through linked library data. Presentation at the *6th Shanghai International Library Forum*, Shanghai, China, July 17-19, 2011. <http://www.slideshare.net/mzeng/contributing-to-the-smart-city-through-linked-library-data>

Zeng, Marcia Lei. (Invited keynote speaker). 2011. Multilingual Thesauri as Linked Data — Benefits and Opportunities. Presentation at *The Fifth Metadata and Semantics Research Conference (MTR)*. October, 12-14, 2011, Izmir, Turkey. http://mtr2011.yasar.edu.tr/marcia_zeng.php

Mitchell, Joan S., Marcia Lei Zeng, and Maja Zumer. 2011. Extending models for controlled vocabularies to classification systems: modelling DDC with FRSAD. Paper Presented at *The International UDC Seminar: Classification and ontology: formal approaches and access to knowledge*. 19-20 September 2011, The Hague, The Netherlands.

Žumer, Maja and Marcia Lei Zeng, 2011. Modelling Knowledge Organization Systems and Structures-A discussion in the context of conceptual and data models. Paper presented at the *International Society for Knowledge Organization (SKO) UK Conference: Facets of Knowledge Organization, A Tribute to Professor Brain Vickery*. London, 4th-5th, July 2011.

Zeng, Marcia Lei, Jon Phipps, and Ed Summers. Introducing W3C Library Linked Data Incubator Group (LLD XG) 2010. Panel presentation at the *Annual Meeting of the American Society for Information Science and Technology*, Pittsburgh, PA. October 22-27, 2010.

Zeng, Marcia Lei, Gordon Dunsire, and Maja Zumer. 2010. Application Profiles [based on FRSAD model] for Subject Domains. Panel presentation at the Joint Meeting of DCMI Architecture and W3C

Library Linked Data Incubator Group, *2010 International Conference on Dublin Core and Metadata Applications*, Pittsburgh, October 20-22, 2010.

Zumer, Maja, Marcia Lei Zeng, and Athena Salaba. 2010. FRBR: A Generalized Approach to Dublin Core Application Profiles. Presented at the *2010 International Conference on Dublin Core and Metadata Applications*, Pittsburgh, October 20-22, 2010.

Zeng, Marcia Lei, Michael Panzer, and Athena Salaba. 2010. Expressing Classification Schemes with OWL 2 Web Ontology Language. *ISKO 2010 International Conference: "Paradigms and conceptual systems in KO"*. Sapienza University of Rome, Rome, Italy. February 23-26, 2010.
<http://www.slideshare.net/mzeng/expressing-classification-schemes-part-3>

Panzer, Michael and Marcia Lei Zeng. 2009. Modeling Classification Systems in SKOS: Some Challenges and Best-Practice Recommendations. *2009 International Conference on Dublin Core and Metadata Applications*, Seoul, October 12-16, 2009 <http://www.slideshare.net/mzeng/skos-for-classification-systems>

Zeng, Marcia Lei and Maja Zumer. 2009. Introducing FRISAD and Mapping it with SKOS and other models. *IFLA 2009 Conference*, Classification and Indexing Section. Milan, Italy, August 23-27, 2009. (The presentation had 5 languages simultaneous translation.)
<http://www.slideshare.net/mzeng/introducing-frisad-and-mapping-it-with-other-models>

Zeng, Marcia Lei and Maja Zumer (based on the work of the IFLA FRISAR Working Group). 2009. Mapping FRISAD Model and Other Abstract Models. *International Society for Knowledge Organization (ISKO) UK Conference*, London, June 22-23, 2009

Zeng, Marcia Lei. 2009. Terminology Registries and Terminology Services. *TELDAP International Conference*, Taipei, Taiwan, China. Taiwan e-Learning and Digital Archives Program, February 23-27, 2009

Zeng, Marcia Lei. 2008. Metadata and Terminology Registries: Synergies and differences. NKOS Workshop, DC-2008: *International Conference on Dublin Core and Metadata Applications*, Berlin, Sept. 22-26, 2008 <http://www.slideshare.net/mzeng/metadata-and-terminology-registries>

Zeng, Marcia Lei. 2008. Registry Requirements and Issues: Metadata. NKOS Workshop at *European Conference of Digital Libraries (ECDL2008)*, Aarhus, Denmark. September 19, 2008

Zeng, Marcia Lei. 2008. Keynote. The Semantic Web and the Role of Information & Knowledge Professionals. Seminar on *The Semantic Web and Libraries, Archives and Museums - Trends for the Future*, Stockholm, Sweden, Sept. 17, 2008.

Zeng, Marcia Lei. 2008. SKOS (Simple Knowledge Organization Systems) and Its Application in Transferring Traditional Thesauri into Networked Knowledge Organization Systems. OCLC/ISKO-NA Preconference Workshop "Everything Need Not Be Miscellaneous: Controlled Vocabularies and Classification in a Web World", *10th International ISKO Conference*, Montreal, Canada, August 5-8, 2008 <http://www.slideshare.net/mzeng/skos-and-its-application-in-transferring-traditional-thesauri-into-networked-kos>

Zeng, Marcia Lei. 2007. Keynote. Interoperability in multilingual and multicultural contexts. *Second International Seminar on Subject Access to Information*, Helsinki, Finland, 29-30 November 2007.

Zeng, Marcia lei. 2007. (1) Introductory Review of Current Knowledge Structures and Tools, (2) From Data Modeling to Ontologies. *Second International Seminar on Subject Access to Information*, Helsinki, Finland, 29-30 November 2007.

Zumer, Maja, Athena Salaba and Marcia Lei Zeng. 2007. Functional Requirements for Subject Authority Records (FRSAR): A Conceptual Model of Aboutness. *The 10th International Conference on Asian Digital Libraries (ICADL)*, Hanoi, Vietnam, Dec. 10-13. 2007.

Zeng, Marcia Lei. 2007. Instruction in Metadata: Meeting the needs of different audiences. *2007 OCLC Western Digital Forum*, August 9-10, San Diego, CA.
<http://www.oclc.org/western/digitalforum/presentations/zeng.pdf>

Zumer, Maja, Athena Salaba and Marcia Zeng. 2007. Functional Requirements for Subject Authority Records (FRSAR) Updates. *World Library and Information Congress: 72nd IFLA General Conference and Council*, 19-23 August 2007, Durban, South Africa.

Zeng, Marcia Lei. 2006. Standards for controlled vocabularies. *World Library and Information Congress: 71st IFLA General Conference and Council*, 20-24 August 2006, Seoul, Korea.

Zeng, Marcia Lei. 2006. Representing CAM knowledge in taxonomies and other knowledge organization systems. *IFLA Satellite Conference on Information Resources in Traditional Medicine*. Aug. 19, 2006. Kyunghee University, Seoul, Korea.

Zeng, Marcia Lei, Athena Salaba and Maja Zumer. 2006. Functional Requirements for Subject Authority Records - Updates. *World Library and Information Congress: 71st IFLA General Conference and Council*, 20-24 August 2006, Seoul, Korea.

Salaba, Athena, Marcia Zeng, and Maja Zumer. 2006. Functional Requirements for Subject Authority Records. *Ninth International ISKO Conference*, July 5-7, Vienna, Austria.

Zeng, Marcia Lei. 2006. PANEL: Perspectives on a Global Sharing of Knowledge Organization Systems. *Ninth International ISKO Conference*, July 5-7, Vienna, Austria.

Zeng, Marcia Lei. June 26, 2006. Metadata formats for libraries, archives, and museums: Trends – Ensuring Interoperability. Lecture presented at the plenary session of the *2º Congresso Internacional de Arquivos, Bibliotecas, Centros de Documentação e Museus [2nd International Congress of Archives, Libraries, Museums, and Documentation Centers] (INTEGRAR)*, São Paulo, Brazil. Invited by the Brazilian Federation of Library Associations, Information Scientists and Institutions (FEBAB).

Zeng, Marcia Lei. 2005. Controlled Vocabularies -- Types and Uses. *NSDL Annual Meeting*, November, 15-18, 2005. Denver, Colorado.

Zeng, Marcia and Bhagirathi Subrahmanyam. 2005. Methodologies for Evaluating Metadata Quality in a Large Virtual Metadata Repository. *American Society for Information Science and Technology Annual Meeting*, October 28 - November 2, 2005. Charlotte, North Carolina.

Zeng, Marcia Lei. 2005. Sharing and Use of Subject Authority Data. (Panel discussion of principles and strategies from different aspects -- Authority and subject terms). *World Library and Information Congress: 71st IFLA General Conference and Council*, August 14th - 18th 2005, Oslo, Norway.

Zeng, Marcia Lei. 2005. Standards for controlled vocabularies. *The 6th NKOS Workshop at Joint Conference of Digital Libraries*, June 10-11, 2005. Denver, Colorado.

Zeng, Marcia Lei and Athena Salaba. May 2-4, 2005. Keynote speech: Toward an international sharing and use of subject authority data. *FRBR in 21st Century Catalogues: An Invitational Workshop*, OCLC, Dublin, Ohio.

Zeng, Marcia Lei, Bhagirathi Subrahmanyam, & Gregory M. Shreve. 2004. Metadata quality study for the National Science Digital Library (NSDL) Metadata Repository. *The 7th International Conference on Asian Digital Libraries, ICADL 2004* December 2004, Shanghai, China.

Gregory M. Shreve, Marcia Lei Zeng, Bhagirathi Subrahmanyam. 2004. Metadata elements in the NSDL Metadata Repository: results of a preliminary quality analysis: Subject, Type, Audience. *NSDL All Project Meeting*, Chicago, November 15-17, 2004.

Zeng, Marcia Lei & Lois Mai Chan. 2004. Establishing interoperability among knowledge organization systems. *2004 ASIS&T Annual Conference*, November 12-17, 2004, Providence, Rhode Island.

Smith, Terrence R.; Marcia Lei Zeng, and ADL project team. 2004. Concept maps supported by knowledge organization structures. *The 8th International Conference of the International Society for Knowledge Organization (ISKO)*, July 13-16, 2004, London, England.

Chan, Lois M. and Marcia Lei Zeng. 2004. Interoperability among knowledge organization systems: a methodological analysis. *ALA Annual Conference*, June 26-29, 2004, Orlando, FL.

Shreve, Gregory M. and Marcia Lei Zeng. 2003. Parallel metadata for digital libraries with linguistically heterogeneous documents. *2003 ASIS&T Annual Conference*. October 19-22, 2003, Long Beach, CA and the *7th International Conference on Asian Digital Libraries, ICADL 2004* December 2004, Shanghai, China.

Shreve, Gregory M. & Marcia Lei Zeng. 2003. Integrating Resource Metadata and Domain Markup in an NSDL Collection. *2003 Dublin Core Conference*, Sept. 28 to Oct. 2, Seattle, WA.

Zeng, Marcia Lei & Bhagirathi Subrahmanyam. 2003. Metadata Quality: Why is it important and how can we measure it? *2003 Dublin Core Conference*, Sept. 28 to Oct. 2, Seattle, WA.

Zeng, Marcia Lei. 2003. From Best Practice Guidelines to Your Practice -- Issues in subject-related metadata value spaces. *2003 Dublin Core Conference*, Sept. 28 to Oct. 2, Seattle, WA.

Zeng, Marcia Lei. 2003. Panel speaker for the session: Metadata Standards: what's new & how will they impact your work. *2003 SLA Annual Conference*. New York. June 7-12.

Zeng, Marcia Lei. 2003. Panel speaker for the session: Establishing Accessibility Guidelines for Digital Libraries. *2003 IEEE-ACM Joint Conference on Digital Libraries (JCDL)*, May 27-31, 2003, Houston, TX.

Smith, Terrence R.; Marcia Lei Zeng, and ADL project team. 2003. Concept-based Learning Spaces-- Apply domain-specific KOS principles for organizing collections/services for given applications. The

6th NKOS (Networked Knowledge Organization Systems) Workshop at 2003 IEEE-ACM Joint Conference on Digital Libraries (JCDL), May 31, 2003, Houston, TX.

Zeng, Marcia Lei. 2002. Panel speaker for the session: Deeper Representation of Digital Information: From Metadata to Semantic Data. *2002 ASIS&T Annual Conference*. November 18-21, 2002, Philadelphia, PA.

Hill, Linda, Olha Buchel, Greg Janee, & Marcia Lei Zeng. 2002. Integration of knowledge organization systems into digital library architectures: Position paper. *The Thirteenth ASIS&T SIG/CR Workshop on "Reconceptualizing Classification Research"*, November 17, 2002, Philadelphia, PA. http://alexandria.sdc.ucsb.edu/~lhill/paper_drafts/KOSpaper7-2-final.doc.

Chan, Lois Mai, & Marcia Lei Zeng. 2002. Ensuring interoperability among subject vocabularies and knowledge organization schemes: a methodological analysis. *The 68th IFLA General Conference and Council*. August 18-24, 2002, Glasgow, Scotland. (The paper was translated into French, Spanish, and Russian.)

Smith, Terrence R., Marcia L. Zeng, & The ADEPT Knowledge Team. 2002. Structured models of scientific concepts for organizing, accessing, and using learning materials. *The Seventh International ISKO Conference*. July 10-13, 2002, Granada, Spain.

Zeng, Marcia Lei. 2002. Metadata and domain-specific markup languages -- their functions in knowledge representation in digital libraries. *Knowledge Management: Opportunities and Challenges for the Library*, a conference at China Academy of Science Documentation and Information Center. May 19-22, 2002, Beijing, China.

Zeng, Marcia Lei. 2001. Supporting metadata interoperability: trends and issues. *NIT 2001, The 12th International Conference on New Information Technology*, May 29-31, 2001, Beijing, China.

Zeng, Marcia Lei, & Yu Chen. 2001. Features of an integrated thesaurus management and search system for the networked environment. IFLA Satellite Conference *Subject Retrieval in a Networked Environment*, August 14-16, 2001, Dublin, Ohio.

Zeng, Marcia Lei, & Long Xiao. 2001. Mapping metadata elements of different format. *InfoToday 2001: The Global Conference and Exhibition on Electronic Information and Knowledge Management*, May 15-17, 2001, New York, NY.

Zeng, Minzu, Marcia Lei Zeng, & Yu Chen. 2001. Measurement of Chinese information retrieval: Chinese-TREC (C-TREC) Proposal. *The First International Conference of Chinese Information Processing and Development*, April, 2001, Shanghai, China.

Zeng, Marcia Lei. 1999. The metadata structure for a digitized historical collection: A comparison of MARC, Dublin Core, and VRA Core. *ASIS 1999 Annual Conference*, October 31-November 4, 1999, Washington, D.C.

Chan, Lois Mai, Xia Lin, & Marcia Lei Zeng. 1999. Structural and multilingual approaches to subject access on the Web. *The 65th IFLA Council and General Conference*, August 20-28, 1999, Bangkok, Thailand. (The paper was translated into French, Spanish, and German.)

Zeng, Marcia Lei, & Yu Chen. 1999. Multi-thesauri management system with Web interface. *ACM*

Digital Libraries Conference, Networked Knowledge Organization Systems Workshop, August 11-14, 1999, Berkeley, California.

Zeng, Marcia Lei, & Yu Chen. 1998. Multilingual issues in the WWW search engines globalization and localization process. *Language in Business/Language as Business: Understanding and Managing the Language Industry*, an international conference organized by Institute for Applied Linguistics, Kent State University, October 8-10, 1998, Kent, Ohio.

Zhang, Foster J., & Marcia Lei Zeng. 1998. Multiscript information processing on crossroads: -- Demands for shifting from diverse character code sets to the Unicode Standard in library applications. *The 64th IFLA General Conference*. August 16-21, 1998, Amsterdam, The Netherlands. (The paper was translated into French, Spanish, Russian, and German; the presentation had simultaneous interpretations.)

Zeng, Marcia Lei. 1998. Prototype for a comprehensive information resource of complementary and alternative medicine. (Project collaborated with D. Eskinazi, P. Molholt and F. Kronenberg.) *International Conference on Medicinal Plants*, February 16-19, Bangalore, India.

Zeng, Marcia Lei. 1997. The application of classification structures in a visual terminology database of medicinal herbs. *ASIS 1997 Annual Meeting*. November 1-6, 1997, Washington, DC.

Zhang, Foster J., and Marcia Lei Zeng. 1997. Policy issues in developing multi-lingual scientific databases in China. *ASIS 1997 Annual Meeting*. November 1-6, 1997, Washington, DC.

Zeng, Lei. 1997. Searching for new ordering systems for the Internet resources - a study of the approaches to organizing information in the World Wide Web Virtual Libraries from 1995 to 1997. *FID/CR 1997 Conference on Knowledge Organization for Information Retrieval*. June 16-18, 1997, London, UK.

Zhang, Foster J., & Marcia Lei Zeng. 1997. The growth of online databases and the electronic information market in China. *National Online Meeting'97*, May 13-15, 1997, New York, NY.

Zeng, Marcia Lei. 1996. Access to multilingual databases through universal standardized subject headings: pros and cons. *The 62nd IFLA Conference*. August 29, 1996, Beijing, China.

Zeng, Marcia Lei. 1996. Towards a unified medical language in a diverse cultural environment. *Fourth International Conference of the International Society of Knowledge Organization*. July 15-18, 1996, Washington, D.C.

Zeng, Marcia Lei. 1995. Filters, gateways, or online advisors? -- How can we develop control mechanisms for intellectual access in virtual libraries? *1995 SLA Annual Meeting*, June 10-15, 1995, Montreal, Canada.

Zeng, Lei. 1994. Current electronic information market in China: an overview and analysis. *1994 ASIS Annual Conference*, October 17-20, 1994, Alexandria, VA.

Zeng, Lei. 1994. Perspectives on indexing languages: new approaches in networking environments and the future development in China. *International Seminar on Information Technologies and Information Services*, Oct.20-24, 1994, Shanghai, (Invited by the Chinese Academy of Sciences.)

Zumer, Maja, & Lei Zeng. 1994. OPAC end-user interfaces on OhioLINK: A study from end-users' perspective. *IOLS '94, the National Conference on Integrated Online Library Systems*, May 11-12, 1994, New York, NY.

Zeng, Lei, Kaye Gapen, & Sharon Schmitte. 1993. Developing intellectual access and control mechanisms for discipline- based virtual libraries that feature media-integration. *The 4th ASIS SIG/CR Classification Research Workshop*, October 24, 1994, Columbus, OH.

Zeng, Lei. 1993. A Rule-based data validation system for online Chinese cataloging. *The 14th National Online Meeting*, May 4-6, 1993, New York, NY.

Zeng, Lei. 1992. Automation of indexing and index constructing: automated indexing. *The 1st Conference of China Society of Indexers*, November 1992, Shanghai, China.

Zeng, Lei. 1992. Compatibility of indexing languages in online access environment: a review of the approaches. *The 3rd ASIS SIG/CR Classification Research Workshop*, Oct. 25, 1992, Pittsburgh, PA.

Zeng, Lei. 1991. Research and development of classification and thesauri in China. *The 5th International Study Conference on Classification Research*, June 24-28, 1991, Toronto, Canada.

Zeng, Lei. 1987. Trends and methods of research on indexing languages of recent years: a comparative study between China and abroad. *The 2nd Conference of Young Researchers of Library and Information Science*, July 1987, Shanghai, China.

Zeng, Lei. 1985. A unified system of descriptors and thesauri in China. *The 1st Conference of Chinese Young Researchers of Information Science*, October 1985, Xiamen, China.

Zeng, Lei. 1985. On subject indexes using descriptors. *The 2nd National Symposium on Subject Indexing*, March 1985, Shanghai, China.

Zeng, Lei. 1985. Multi-dimensional clustering: its usage in "Chinese Libraries Classification". *Symposium on "Chinese Library Classification 3rd. edition"*, May 1985, Tonglin, China. The paper won a Best Paper award in the conference.

Other Invited Lectures and Presentations (See also Lectures and Presentations given in Chinese)

Zeng, Marcia Lei. [Achieving interoperability of KOS vocabularies. ISKO UK Knowledge Organization Education virtual class, March 2021, virtual.](#)

Zeng, Marcia Lei. 2020. Functional Metrics for LOD KOS Products. (Keynote) Getty Vocabulary ITWG meeting, Feb. 6-7, 2020, Los Angeles, CA.

Zeng, Marcia Lei. 2019. LOD KOS. Linked Conservation Data Workshop on terminology, June 6-7, 2019. Stanford University, CA.

Zeng, Marcia Lei. 2019. Interoperability of conservation vocabularies. Linked Conservation Data Workshop on terminology, June 6-7, 2019. Stanford University, CA.

Zeng, Marcia Lei. 2018. Providing Access to Cultural Objects Curated in Digital Collections – Models and Profiles. Panel. International Conference on Dublin Core and Metadata Applications (DCMI) 2018 Sept. 10-13, 2018, Porto, Portugal. <http://dcevents.dublincore.org/IntConf/dc-2018/paper/view/542>

Zeng, Marcia Lei. 2018. Smart Data Approaches in the Creation of Structured Data Serving DH Research - New concepts and approaches. PhotoTech Workshop, Invited by the Getty Research Institute. May 16–17, 2018, The Getty Center, Los Angeles, California.

Zeng, Marcia Lei. 2018. Webinar: A Linked Data Competency Framework for Educators and Learners. Thursday, May 10, 10am-11am EST. Dublin Core Metadata initiative (DCMI) and ASIS&T. <https://www.asist.org/events/webinars/a-linked-data-competency-framework-for-educators-and-learners/> (International)

Zeng, Marcia Lei. 2018. Learning, Understanding, and Using Linked Data. Workshop. 2018 Digital Initiatives Symposium. April 23-24, 2018. San Diego, California. <http://metadataetc.org/LOD/LOD-index.html>

Zeng, Marcia Lei. 2018. Smart Data for Digital Humanities. Lecture given at Faculty of Library, Information and Media Science, University of Tsukuba, Japan. Feb. 13, 2018. Tsukuba, Japan.

Zeng, Marcia Lei. 2017. Learning Linked Data: Introducing a Competency Framework Illuminated by Mapped Learning Resources. Invited by Northern Ohio Technical Services Librarians (NOTSL). NOTSL Fall Meeting, Dec. 11, 2017, Parma, Ohio.

Zeng, Marcia Lei. 2017. Smart Data Approach to Making Structured Data Usable: New Concepts and Approaches to Decision Making with Data. Invited by Metadata and Taxonomy Operations (MTO), Office of the Chief Data Officer (OCDO), Federal Reserve Board of Governors, Nov. 1, 2017, Washington, D.C.

Zeng, Marcia Lei. 2017. Smart Data for Digital Humanities. Helsinki Centre for Digital Humanities (HELDIG), University of Helsinki and Aalto University, June 16, 2017. Invited by Prof. Eero Hyvönen, Director of HELDIG. Helsinki, Finland.

Zeng, Marcia Lei. (Invited Keynote Speaker) 2017. Thoughts on the Present & Future of LOD KOS and the Getty Vocabularies in Particular. International Terminology Working Group (ITWG) 2017 Meeting, Getty Research Institute, CA, August 11-19, 2017, The Getty Center, Los Angeles, California.

Zeng, Marcia Lei. (Invited Keynote Speaker) 2017. Visual Representations of Knowledge Structures. Live stream video, presented at World Information Architecture Day (World IA Day) 2017 Conference, Kent, February 18th, 2017. Kent, Ohio.
https://m.youtube.com/watch?feature=youtu.be&v=r6_JT-ldDt0

Zeng, Marcia Lei. (Invited Keynote Speaker) 2016. The role of LOD datasets - The Getty Vocabularies and the significance of five-star LOD datasets. International Terminology Working Group (ITWG) 2016 Meeting, Getty Research Institute, CA, August 24-26, 2016, The Getty Center, Los Angeles, California.

Zeng, Marcia Lei. 2016. Let online bios talk to search engines; Let the world know about Taiwanese

artists - Creating Structured Data for Online Bios. Thought Leader Talk, Fulbright Taiwan, June 8, 2016, Taipei, Taiwan.

Zeng, Marcia Lei. 2016. Introduction. Midyear Fulbright Conference, Jan. 24-25, New Taipei City, Taiwan.

Zeng, Marcia Lei. 2015. Smart Data for Digital Humanities. iSpeaker Series. Sungkyunkwan University, December 8. Seoul, Korea.

Zeng, Marcia Lei. 2015. LAMs in the Semantic Web - A discussion with the future LIS Professionals. 2015. Invited by the Department of Library & Information Science, Hansung University, December 8. Seoul, Korea.

Zeng, Marcia Lei. 2015. LOD KOS Beyond "Value Vocabularies." Invited by the Getty Research Institute. November 11, 2015, Los Angeles, California.

Zeng, Marcia Lei. 2015. Libraries in the Semantic Web. Invited by Roxanne Missingham, Director, Australian National University Library. June 24, Canberra, Australia.

Zeng, Marcia Lei. 2015. Round table on metadata and related research projects. Invited by Jane Greenberg, Director, Metadata Research Center, College of Computing & Informatics, Drexel University. May 18, 2015, Philadelphia, Pennsylvania.

Zeng, Marcia Lei and Karen Gracy. 2015. Webinar: *Introducing Cultural Heritage Informatics into the Curriculum of LIS Education*. Apr 15, 2015. Invited by ASIS&T SIG-ED. <https://www.asist.org/events/webinars/introducing-cultural-heritage-informatics-into-the-curriculum-of-lis-education/>

Zeng, Marcia Lei. 2015. Panel on digital humanities. *International Conference on East Asia Art History and Chen Chengpo Conference*. Jan. 16-17, 2015. National Palace Museum, Taipei. Invited by Taiwan Academia Sinica Digital Center.

Zeng, Marcia Lei. 2014. (Keynote). Understanding and Using Linked Data in the Practices of Libraries, Archives, and Museums (LAM). Keystone given at *Library Network, Pennsylvania State System of Higher Education. Catalogers/Archivists Fall 2014 Meeting*, California University of Pennsylvania, California, PA, October 30-31, 2014.

Zeng, Marcia Lei. 2014. AAT LOD Microthesauri. 2014 Art and Architecture Thesaurus International Terminology Working Group meeting, CIDOC (International Committee for Documentation of The International Council of Museums) Annual Conference and Meeting, Sept. 6-11, 2014, Dresden, Germany. <http://www.slideshare.net/mzeng/aat-microthesauri>

Zeng, Marcia Lei. 2013. Linked Data and Libraries. Northern Ohio Technical Services Librarians (NOTSL) Fall Program, Nov. 22, 2013. Kent, Ohio.

Zeng, Marcia Lei. 2013. How to select appropriate encoding strategies for producing LOD-enabled bibliographic data. Food and Agriculture Organization (FAO) of the United Nations (UN), 31st July 2013. <http://aims.fao.org/community/general-information/blogs/webinaraims-how-select-appropriate-encoding-strategies-producing>

Zeng, Marcia Lei. 2013. (1) Library Services in the Semantic Web and Linked Data Universe. (2) Metadata and Digital Repository. United Nations Library, New York City, March 22, 2013.

Zeng, Marcia Lei. 2013. Understanding and Using Linked Data: Libraries, Archives, and Museums. Fifth LOD@AIMS Webinar. Food and Agriculture Organization (FAO) of the United Nations (UN), January 28, 2013. <http://aims.fao.org/linked-open-data-webinars-at-aims/marcia-zeng/eng>

Zeng, Marcia Lei. 2013. Update: The state of KOS in the Linked Data Movement and Some Suggestions to the Getty Vocabulary Program. International Terminology Working Group (ITWG) 2011 Meeting, Getty Research Institute, CA, January, 7-10, 2013.

Zeng, Marcia Lei. 2012. Knowledge Organization Systems (KOS) conceptual model and data models. Presented at Art and Architecture Thesaurus (AAT) – Taiwan team meeting. Academia Sinica. Taipei, Taiwan, China. Aug. 1, 2012.

Zeng, Marcia Lei. 2011. Mapping the Getty Vocabularies to SKOS -- Sorting out the Benefits and Options. International Terminology Working Group (ITWG) 2011 Meeting, Getty Research Institute, CA, November 7-10, 2011.

Zeng, Marcia Lei. 2011. ISO 25964 Part 2 Update. International Terminology Working Group (ITWG) 2011 Meeting, Getty Research Institute, CA, November 7-10, 2011.

Marcia Zeng & Imma Subirats, 2011. LODE-BD Recommendations - Linked Open Data-Enabled Bibliographic Data VOA3R (Virtual Open Access Agriculture & Aquaculture Repository) 4th Meeting, 2011-10, Ismir, Turkey.

Subirats, Imma and Marcia Lei Zeng. 2011. Metadata: Concentrating on the data, not on the scheme. euroCRIS (Current Research Information Systems) Meeting, Bologna, Italy, April 26-27, 2011. <http://www.slideshare.net/faoaims/metadata-concentrating-on-the-data-not-on-the-scheme>

Zeng, Marcia Lei. 2010. Linking and Connecting Knowledge Organization Systems. Meaningful Concept Displays (MCD) Panel, Getty Research Institute, Los Angeles, CA. December 9-10, 2010.

Zeng, Marcia Lei and Imma Subirats. 2010. Recommendations to produce LOD enabled bibliographical data. Presented to the FAO Information and Knowledge Management Division. Rome, Italy. December 3, 2010.

Zeng, Marcia Lei. 2010. The Role of Authority Files and Controlled Vocabularies in the World of Networked Information: Update on Latest Developments & International Perspectives. Multilingual Terminology Working Group Meetings at the Getty Research Institute, Los Angeles, August 23-26, 2010

Zeng, Marcia Lei. 2010. FRSAD: Functional Requirements for Subject Authority Data. Invited by the ALCTS CCS Subject Analysis Committee (SAC), ALA; presented at the SAC meeting, ALA 2010 Annual Conference, June 28, 2010. Washington, D.C. <http://www.slideshare.net/mzeng/sac20100628>

Zeng, Marcia Lei. 2010. I. FRSAD: current state; II. FRSAD: Implications for Classification Systems & Interoperability. Decimal Classification Editorial Policy Committee (EPC) annual meeting, June

18, OCLC, Dublin, Ohio.

Zeng, Marcia Lei. 2010. Enabling KOS Interoperability-- -- In the context of: ISO 25964, Linking KOS data, and KOS Resource AP. Invited lecture at the Seminar on Knowledge Organization with Prof. Greenberg, School of Information and Library Science, University of North Carolina, March 29, 2010.

Zeng, Marcia Lei. 2009. ISO 25964: Thesauri and Interoperability with Other Vocabularies. Presented at: Knowledge Organization Systems: Managing Toward the Future. A Joint CENDI/NKOS Workshop, Hosted by The National Agricultural Library, Beltsville, MD Thursday, October 22, 2009.

Zeng, Marcia Lei. 2009. SKOS for Classification Schemes -- An initial discussion. Presented in: Using SKOS to enable linked vocabularies: Workshop with Alistair Miles and Marcia Zeng. International Conference on Dublin Core and Metadata Applications, Seoul, October 12-16, 2009.

Zeng, Marcia Lei. 2009. Basic Tutorial 2.1: Other metadata standards; 2.2: Interoperability issues and basic approaches. International Conference on Dublin Core and Metadata Applications, Seoul, October 12-16, 2009. <http://dublincore.org/resources/training/dc-2009/MarciaL1.pdf> and <http://dublincore.org/resources/training/dc-2009/MarciaL2.pdf>

Zeng, Marcia Lei. 2009. Advanced Tutorial: Transforming, Mapping, and Merging KOS – Methodologies and Challenges. International Conference on Dublin Core and Metadata Applications, Seoul, October 12-16, 2009.

Zeng, Marcia Lei. 2009. Knowledge Organization Systems. May 15-June 15, 2009. Invited by School of Library and Information Science, University of Barcelona, Spain.

Zeng, Marcia Lei. Metadata for Digital Collections. 2004 – 2013. Two-day workshop. Invited by the Metropolitan Library Council of New York City (METRO).

Zeng, Marcia Lei. 2008. Basic Tutorial 4. Metadata In Practice. International Conference on Dublin Core and Metadata Applications, Berlin, September 22–26, 2008. http://dublincore.org/resources/training/dc-2008/T4-DC_in_practice.pdf

Zeng, Marcia Lei. 2008. (1) Report of U.S. NKOS Workshop. (2) Requirements for a trusted terminology registry. NKOS Workshop at ECDL 2008, Aarhus, Denmark. September 19, 2008.

Zeng, Marcia Lei. 2008. Conceptual Models of Aboutness (panel). 10th International ISKO Conference (ISKO 10), Montréal, Canada, August 5th-8th 2008.

Zeng, Marcia Lei. 2008. Metadata for Terminology / KOS Resources. "New Dimensions in Knowledge Organization Systems", a Joint NKOS/CENDI Workshop, September 11, 2008, The World Bank, Washington, DC. <http://www.slideshare.net/mzeng/metadata-for-terminology-kos-resources>

Zeng, Marcia Lei. April 3, 2008. An Open Ontology Repository: Rationale, Expectations & Requirements. Joint OpenOntologyRepository-OntologySummit2008 Panel Discussion Session.

Zeng, Marcia Lei. 2008. The Semantic Web, an informal presentation and dialog with Dr. Murtha Baca. The Getty Research Institute, Los Angeles, CA. May, 11, 2008.

Zeng, Marcia Lei and Athena Salaba. June 25, 2007. Functional Requirements for Subject Authority Records (FRSAR). ALA 2007 Annual Conference, Washington, D.C. Invited by the Subject Analysis Committee (SAC), Association for Library Collections & Technical Services (ALCTS), American Library Association (ALA).

Zeng, Marcia Lei. May 11-18, 2007. (1) Networked Knowledge Organization Systems. A three-day workshop. (2) Metadata and Encoding Standards. A two-day workshop. Invited by the Singapore National Library Board, Singapore.

Zeng, Marcia Lei. June 30, 2006. Metadata for Digital Collections. A one-day workshop presented at the 2^o Congresso Internacional de Arquivos, Bibliotecas, Centros de Documentação e Museus (INTEGRAR), São Paulo, Brazil. Invited by the Brazilian Federation of Library Associations, Information Scientists and Institutions (FEBAB).

Zeng, Marcia Lei. May 8, 2006. Metadata Quality Study for the National Science Digital Library (NSDL) Metadata Repository. Research & Teaching Talk Series, College of Information Science and Technology, Drexel University. Philadelphia, Pennsylvania.

Zeng, Marcia Lei. May 9, 2006. Networked Knowledge Organization Systems – R&D Trends. Lecture for the doctoral students at College of Information Science and Technology, Drexel University. Philadelphia, Pennsylvania.

Zeng, Marcia Lei. March 2, 2006. Digital preservation. Distinguished Scholar Series, College of Communication and Information, Kent State University. Kent, Ohio.

Zeng, Marcia Lei. May 14, 2005. Keynote speech: Bridging the East and the West: What can we contribute? Chinese American Librarians Association Midwest Chapter (CALAMW) 2005 Annual Conference, Indiana University, Bloomington, Indiana.

Zeng, Marcia Lei. April 6, 2005. Controlled Vocabularies – an update. An invited talk to the Greater Cleveland History Digital Library Thesaurus subcommittee, Case Western Reserve University, Cleveland, Ohio.

Zeng, Marcia Lei. February 6-8, 2005. Using MAIstro to Teach Thesaurus Development and Indexing in Graduate Programs of LIS and IAKM. Data Harmony User Group Meeting, Albuquerque, New Mexico.

Zeng, Marcia Lei. March 17, 2004. Knowledge Organization Systems -- Multilingual issues. Presented at The Future of the Dewey Decimal Classification EPC Planning Retreat, March 15-18, 2004, OCLC. Dublin, Ohio.

Zeng, Marcia Lei. May 28, 2003. (1) Metadata Applications and Trends. (2) Working with Metadata for Your Digital Collection. Lectures presented at Rice University Library, Houston, TX.

Zeng, Marcia Lei. April 8, 2002. Metadata and Markup Languages -- Their Functions in Knowledge Representation in Digital Collections. Presented at the CoASIS&T (American Society for Information Science and Technology, Columbus Chapter) April Program. Dublin, Ohio.

Zeng, Marcia Lei. Jan. 31. 2002. A Comprehensive Information Resource in Complementary and Alternative Medicine: Toward an International Collaboration. Presented at the NorASIS&T (American Society for Information Science and Technology, Northern Ohio Chapter) January Program. Cleveland, Ohio.

Zeng, Marcia Lei. Dec. 2001. Research Projects related to Knowledge Organization. Presented at the ADEPT (The Alexandria Digital Earth Prototype) Retreat, University of California Santa Barbara.

Zeng, Marcia Lei. June 3, 2001. Metadata Interoperability. Lecture presented at Peking University Library and Tsinghua University Library.

Zeng, Marcia Lei. October, 27, 2000. Digitized collection for museum objects. Lecture for the graduate students at Department of Library and Information Science, Sung Kyun Kwan University, Seoul, Korea.

Zeng, Marcia Lei. April 5, 2000. A Digitized Historical Fashion Collection: challenges, issues, and progress. A colloquium presented at the School of Information Sciences, University of Pittsburgh.

Zeng, Marcia Lei. 1999. Digital Libraries: Indexing and Metadata. A 4-day lecture at University of Sao Paulo, SP, Brazil. May 24-27. Invited by University of Sao Paulo.

Zeng, Marcia Lei. 1998. Approaches to Information Quality Enhancement on the WWW and the Role of Library and Information Professionals. Presented at University of Campinas, June 15-17, Campinas, SP, Brazil. Invited by Depto. PG em Biblioteconomia, UPC-Campinas.

Schloman, Barbara F. and Marcia Lei Zeng. 1997. A Study of Innovative Interfaces (III) Search Interface from End-Users' Key Routines. Presented at Kent State University Library, Feb. 12, 1997.

Zeng, Marcia Lei. 1996. Colloquium: An analysis of indexing practice for Chinese medicine in MEDLINE and a study of a visual herb thesaurus. Invited by School of Information Sciences, University of Pittsburgh, Oct. 19, 1996.

Zeng, Marcia, Paul Fehrman, and Dave Lambing. 1995. A Site to Remember: A Virtual Blueprint for Building Your Dream Home Page. A Joint Program of the SLA Cleveland Chapter and NORASIS, Kent, November 15, 1995.

Zeng, Lei. 1994. Studies on control mechanisms for the discipline-focused digital libraries. Presentation at the first internal seminar of Digital Media Institute (DMI), Case Western Reserve University, April 13, 1994.

Zeng, Lei. 1992. An Evaluation of the Quality of Chinese-Language Records in the OCLC OLC Database and a Study of a Rule-based Data Validation System for Online Chinese Cataloging. The 55th American Society for Information Science (ASIS) Annual Meeting, October 26-29, 1992, Pittsburgh, Pennsylvania. (Invited by ASIS Doctoral Forum)

Zeng, Lei. 1988. Recent development of library and information science research in China. Presented at the College of Library and Information Science of University of Maryland, College Park, Maryland.

Lectures and Presentations given in Chinese

Zeng, Marcia Lei. 2019. 开放数据的信息服务- – 可行方案探讨. The 16th Advanced Digital Library Seminar (ADLS), Oct. 10 24-26, Chengdu, Sichuan, China.

Zeng, Marcia Lei. 2019. 知识结构的可视化呈现. Wuhan University iSchool Summer Camp, July 12, 2019, Wuhan, China.

Zeng, Marcia Lei. 2019. 文化资源 + 数字技术 + 用户体验 -- 文化资源展示方式的创新. Shanghai Libraries Association, July 10, Shanghai, China.

Zeng, Marcia Lei. 2019. 文化遗产数据语义增值。DH19. Digital Dunhuang 3-8, July, 2019. Dunhuang, Gansu, China

Zeng, Marcia Lei. 2019. 融入使用者体验的新一代文化资源展示方式和思路. Dunhuang Academy Summer Camp. July 4, 2019. Dunhuang, Gansu, China.

Zeng, Marcia Lei. 2018. 文化资源 + 数字技术 -- 融入使用者体验的新一代文化资源展示方式和思路. The 15th Advanced Digital Library Seminar (ADLS), Nov. 23-26, Chongqing, China.

Zeng, Marcia Lei. 2018. 国际图联(IFLA) 从 FRBR 到 LRM 模型的发展和现状. The 15th Advanced Digital Library Seminar (ADLS), Nov. 23-26, Chongqing, China.

Zeng, Marcia Lei. 2017, 2018. 从“数字化”到“数据化”到“智能化” --图档博领域的智慧数据发展趋势. The 14th Advanced Digital Library Seminar (ADLS), Dec. 3-5, 2017, Fuzhou, Fujian, China. || Nov. 26, School of Information Management. Wuhan University, China.

Zeng, Marcia Lei. 2017, 201. 国际图象互操作框架(IIIF) APIs 和应用实例. The 14th Advanced Digital Library Seminar (ADLS), Dec. 3-5, 2017, Fuzhou, Fujian, China. || The 15th Advanced Digital Library Seminar (ADLS), Nov. 23-26, Chongqing, China.
<https://www.slideshare.net/MarciaZeng/iiif-apis>

Zeng, Marcia Lei. 2017. (Invited Keynote Speaker). 智慧数据与数字人文视野下的图档博数据潜力及价值探索. 珞珈大数据系列：面向数字人文的智慧数据建设专题研讨会. Smart Data Development towards Digital Humanities Seminar. Invited by Center for Studies of Information Resources, Wuhan University. Nov. 27, 2017, Wuhan, China. [news: <http://sim.whu.edu.cn/en/7/3/2018-01-03/270.html>]

Zeng, Marcia Lei. 2017. 文化资源 + 数字技术 -- 融入使用者体验的新一代文化资源展示方式和思路. Invited by Hubei Province Library, Nov. 24, 2017, Wuhan, China.

Zeng, Marcia Lei. 2016. 智慧数据用于人文研究的体会. The 13th Advanced Digital Library Seminar (ADLS), December 4-6, 2016, Shanghai, China.

Zeng, Marcia Lei and Fan Wei, 2016. 《关联数据能力指标》Competency Index for Linked Data 及学习网站资源介绍 The 13th Advanced Digital Library Seminar (ADLS), December 4-6, 2016, Shanghai, China.

Zeng, Marcia Lei. 2016. 关联数据 Linked Open Data 1,2,3,4,5. Lecture. Department of Publishing, School of Information Management, Wuhan University, Dec. 2, 2016, Wuhan, China.

Zeng, Marcia Lei. 2016. 圖書館領域常用的「使用者體驗設計」方法. Lecture. (1) Department of Library and Information Science, Tamkang University, May 19, New Taipei City. (2) University Library and Department of Library and Information Science, National Taiwan University, May 26, Taipei; Taiwan.

Zeng, Marcia Lei. 2016. From Ancient Trees of Knowledge to the Contemporary Concept Maps - - Graphical representations of knowledge structures and their applications in education. Lecture. (1) Institute of Education, National Cheng-Gong University, May 16, 2016, Tai-nan, Taiwan; (2) Department of Publishing, School of Information Management, Wuhan University, Dec. 1, 2016. Wuhan, China.

Zeng, Marcia Lei. 2016. 融入使用者體驗的新一代文物展示技術和思考脈絡. Presentation at (1) Center for Digital Cultures, Institute of History and Philology, Academia Sinica, April 27, 2016. (2) 博物館科技運用與服務設計 工作坊, 人文遠雄博物館 (Farglory Museums), June 23, 2016. Taipei, Taiwan. (3) 湖北省海达文化遗产保护科技研究院 (Haida Cultural Heritages Protection Technology Research Institute of Hubei Province), Dec. 1, 2016, Wuhan, China.

Zeng, Marcia Lei. 2016. 語意網時代的圖書資訊服務新思路. National Central Library. June 22, 2016. Taipei, Taiwan.

Zeng, Marcia Lei. (Invited Keynote Speaker). 2016. 知識組織系統 (KOS) 的跨典範模式研发. (A paradigm shift in knowledge organization systems/structures/services (KOS) – Potentials and new functions of KOS in the Semantic Web). Invited Keynote speech at “語意網視野下的知識組織與文化資產”研討會 (Conference of Knowledge Organization and Cultural Heritages in the Semantic Web). Organized by the Academia Sinica Center for Digital Cultures, Institute of History and Philology, Academia Sinica, June 2, 2016. Taipei, Taiwan.

Zeng, Marcia Lei. 2016. 語意網時代的圖書館. Library and Information Services, National Sun Yat-sen University. May 13, 2016. Kaohsiung, Taiwan.

Zeng, Marcia Lei. (Invited Keynote Speaker). 2016. 語意網時代的圖書資訊服務新思路. Invited Keynote speech at *2016 Conference of Academic Library Directors*, May 5, Maoli, Taiwan.

Zeng, Marcia Lei. 2016. 知识组织的发展趋势与热点. Invited by “文物数字化保护元数据标准研究”课题组第五次会议 April 21, 2016, Xi'an, China.

Zeng, Marcia Lei. 2016. 智慧数据在数字人文领域的应用探讨. Presented at (1) School of Public Administration, Sichuan University, March 30, Chengdu, and (2) School of Information Management, Wuhan University, April 7, Wuhan. China.

Zeng, Marcia Lei. 2016. 图书馆领域用户体验设计(UxD)方法概览 (Methods of User Experience Designs (UxD) in Libraries). Lecture. (1) Sichuan University, June 1, Chengdu Chengdu, China. (2) Wuhan University, April 12, Wuhan Wuhan, China.

Zeng, Marcia Lei. 2016. 国际图象互操作框架(IIF)介绍. Shanghai Library, March, 28, Shanghai, China.

Zeng, Marcia Lei. 2016. Organization of Information -- Conceptual Modeling. Lecture. Department of Library and Information Science, National Taiwan University, March, 24. Taipei, Taiwan.

Zeng, Marcia Lei. 2016. Metadata - an introduction. Lecture. Graduate Institute of Library & Information Studies, National Taiwan Normal University, March 18, Taipei, Taiwan.

Zeng, Marcia Lei. 2016. Knowledge Organization Systems/Structures. Lecture. Invited by Hsueh-hua Chen, Director, National Taiwan University Library. March 3, Taipei, Taiwan.

Zeng, Marcia Lei. 2016. IIF 國際圖像互操作架構介紹. Center for Digital Cultures, Institute of History and Philology, Academia Sinica, Feb. 26, Taipei, Taiwan.

Zeng, Marcia Lei. 2015. Smart [big] data. 智慧 [大] 数据. Presented at Chengdu Documentation and Information Center, Chinese Academy of Sciences, July 10, 2015. Chengdu, China.
http://www.clas.ac.cn/xwzx/gzdt/201507/t20150717_4394888.html

Zeng, Marcia Lei. 2015. (1) Digital humanities – what are happening. 数字人文所见所闻. (2) International Image Interoperability Framework (IIF) 国际图象互操作框架 (<http://www.slideshare.net/mzeng/iiif-51120576>). 12th Advanced Digital Library Seminar & Lib 2.15 Forum, July 6-8, 2015, Xiamen, China.

Zeng, Marcia Lei and Xia Lin. 2015. Linked Data and Open Data, a hands-on experience. 动手体验关联数据与开放数据. Lecture given at 12th Advanced Digital Library Seminar & Lib 2.15 Forum, July 6-8, 2015, Xiamen, China.

Zeng, Marcia Lei. 2015. (1) Exposing Chen Cheng-po website to search engines. (2) 使用者體驗設計方法概覽[User Experience Design (UXD)]. Lecture given at Academia Sinica, Digital Archives Center. Jan. 07-08, Taipei

Zeng, Marcia Lei. 2014. (1) Back-end data and front-end services [后端数据与前端服务]. (2) Methodologies used in libraries for user experience design [图书馆领域用户体验设计(UxD)方法概览]. 11th Advanced Digital Libraries Seminar (ADLS), June 24-26, Qingdao, China.

Zeng, Marcia Lei. 2014. Timeless Wisdom: The Significance of the Establishment of Information Retrieval Languages (IRL) Subject Domain by Prof. Zhang Qiyu. [超越时空的思想智慧和理念—有感于张琪玉教授创建情报语言学学科领域之巨大意义]. Presented at the Special Academic Seminar of Zhang Qinyu Theory on Information Retrieval Languages [张琪玉情报语言学思想研讨会]. June 22, 2014. Shanghai, China.

Zeng, Marcia Lei. 2014. Semantic technology and knowledge rediscovery based on library resources [基于图书馆资源的语义技术应用与知识再发现]. Digital Humanities and Semantic Technologies - 2014 Information Technology for Libraries [2014年图书馆前沿技术论坛 (IT4L)] and DCMI Asian Regional Conference, Shanghai. June, 21, 2014. Shanghai, China.

Zeng, Marcia Lei. 2014. (1) Backend data and frontend services [后端数据与前端服务]. (2) VIAF

and the Chinese National Name Authority File [VIAF 虚拟国际规范文档]. Presented at National Library of China, June 19, 2014, Beijing, China.

Zeng, Marcia Lei. 2014. Developing Metadata Standards for Cultural Objects [文物描述元数据有关标准与指南]. Presented at Cultural Object Metadata Standards Research Meeting. 文物数字化元数据标准研究工作会议, June 18, 2014. Peking University, Beijing, China.

Zeng, Marcia Lei. 2013. A new generation of user-centered cultural objects exhibitions – technologies and approaches (1) 融入用户体验的新一代文献物品展示技术和思路, (2) Search and result displays in the semantic technology environment 语义技术环境下的搜索及结果显示. 10th Advanced Digital Libraries Seminar (ADLS), Shenzhen, China, June 5-7, 2013.

Zeng, Marcia Lei. 2013. KOS for the Semantic Web 在语义网时代知识组织系统/结构(KOS)的作用. Presented at National Library of China. Beijing, China, May 28, 2013.

Zeng, Marcia Lei. 2013. Networked world and knowledge organization systems/structures (KOS) 网络世界与知识组织系统/结构(KOS). Presented at The National Science Library, Chinese Academy of Sciences (NSLC), Beijing, China. Beijing, China, May 27, 2013.

Zeng, Marcia Lei. 2013. 2014. Libraries in the world – seen from my eyes. 中外图书馆走马观花. Presented at Hubei Province Library. Wuhan, China, June, 3, 2013. Shiyang City Library. Shiyang, China, July, 4, 2014.

Zeng, Marcia Lei. Aug. 3, 2012. Understanding and Using Linked Data – Libraries, Archives, and Museums (LAM) as the contributors and consumers of Linked Data. [關聯數據(Linked Data)之原理與應用：圖書館、檔案館與博物館 (LAM) 作為關聯數據的提供者和使用者的] Presented at Research Center for Information Technology Innovation, Academia Sinica. Taipei, Taiwan, China. <http://www.citi.sinica.edu.tw/HTML/CHINESE/s201208021000.html> | http://mcntw.ndap.org.tw/events/sig_20120802.php

Zeng, Marcia Lei. Aug. 3, 2012. Exploring the connections between library bibliographic data and Linked Open Data. [探索圖書館文獻數據與非圖書館開放關聯數據的聯結點]. An Open Speech at the “e-Research: Library Innovative Services Symposium” [e-Research: 圖書館創新服務研討會], National Taiwan University. http://www.lib.ntu.edu.tw/events/2012_new_service/

Zeng, Marcia Lei. July 30, 2012. Knowledge Organization Systems (KOS) (1) The conceptual model and data models; (2) KOS sharing and management. Presented at The National Science Library, Chinese Academy of Sciences (NSLC), Beijing, China.

Zeng, Marcia Lei. July 20-22, 2012. (1) Understanding and Using Linked Data – Libraries, Archives, and Museums (LAM) as the contributors and consumers of Linked Data. (2) Linked Open Data (LOD)-Enabled Metadata: Methodology and cases. Presented at: From Document Cataloging to Knowledge Encoding: Knowledge Organization and Linked Data Workshop, [从文献编目到知识编码: 知识组织与关联数据研讨班] Shanghai Library, July 20-22. Shanghai, China.

[1] http://conf.library.sh.cn/sites/default/files/LLDcopy_曾蕾.pdf

[2] http://conf.library.sh.cn/sites/default/files/lode-bdcopy_曾蕾.pdf

Zeng, Marcia Lei. June, 2011. (1) Linked Data and the Implementations in LIS Field (2) RDF Vocabularies – Standards and Emerging Vocabs. Lectures, presentations, and keynote at several events in China in June, including the National Library of China (Beijing), Shanxi Province LIS Society Annual Conference (Xi'an), Northeast University School of Public Management (Xi'an), China Academic Library Forum and the 8th Advanced Digital Library Seminar (Chengdu), Shanghai Advanced Library Technologies Forum (Shanghai), and Wuhan University iSchool (Wuhan).

Zeng, Marcia Lei. July 16, 2009. The Wall of Data. Presented at CALIS (China Academic Library and Information System) Headquarters, Peking University, Beijing, China.

Zeng, Marcia Lei. July 12-14, 2009. (1) Linked Data and Library Data; (2) Usability Studies for Library Services; (3) Metadata: International Trends. 6th Advanced Seminar of Digital Libraries (ADLS), Wuhan, China.

Zeng, Marcia Lei. July 17, 2009. (1) Linked Data and Library Data; (2) Usability Studies for Library Services. Presented at Tsinghua University Library, Beijing, China.

Zeng, Marcia Lei. February 26, 2009. Terminology Registries and Terminology Services. Presented at National Taiwan University, Taipei, Taiwan, China.

Zeng, Marcia Lei. Dec. 19 and 20, 2008. Terminology registries and services. Presented at National Library of China (Dec. 19) and People's University (Dec. 20), Beijing, China.

Zeng, Marcia Lei. Dec. 15-18, 2008. (1) Terminology registries and services. (2) Quality measurement of metadata repositories. Library Services in Digital Environment, 5th Advanced Digital Library Seminar (ADLS), December 15-18, 2008, Shanghai, China.

Zeng, Marcia Lei. Dec. 19 and 21, 2007. From indexing languages to networked knowledge organization systems (NKOS). Presented at National Library of China, Beijing (Dec. 19); and Shanghai Library, Shanghai (Dec. 21), China.

Zeng, Marcia Lei. Dec. 20, 2007. Maximizing metadata for enhanced access and use of digital collections. Shanghai Jiaotong University Library, Shanghai, China.

Zeng, Marcia Lei. Aug. 14-16, 2006. (1) Digital preservation; (2) KOS for browsing and searching interface. Presented at Strategies and Practices in Digital Library Frontier, 3rd Advanced Digital Library Seminar (ADLS), 2006, Beijing, China. Organized by Tsinghua University Libraries and Stanford University Libraries.

Zeng, Marcia Lei. Aug. 10-11, 2006. (1) Knowledge organization systems for indexing, browsing, and retrieval; (2) Metadata Interoperability. Presented at International Seminar on the Development of Digital Library, organized by the Department of Library and Information Science, Taiwan University, Taipei, China.

Zeng, Marcia Lei. July 4-8, 2005. (1) Metadata interoperability; (2) Controlled vocabularies; (3) Metadata application. Presented at Research and Development Frontiers in Digital Libraries, The 2nd Advanced Digital Library Seminar (ADLS), 2005, Xiamen, Fujian, China. Organized by Xiamen University Library, Sponsored by China Academic Library and Information System (CALIS).

Zeng, Marcia Lei. June 30-July 1, 2005. (1) Metadata interoperability; (2) Controlled vocabularies. Presented at Digital Library Technologies and Standards, an Advanced Workshop. Hangzhou, Zhejiang, China. Organized by the library associations of Zhejiang Province, Jiangsu Province, and Shanghai.

Zeng, Marcia Lei. June 27, 2005. Controlled vocabularies used in indexing, browsing, and retrieval. Presented at International Symposium of Academic and Industry on Digital Libraries, Beijing. Organized by Wanfang Data, Ltd.

Zeng, Marcia Lei. June 24, 2005. Controlled vocabularies and KOS interoperability. Presented at Tsing Hua University Library, Beijing, China.

Zeng, Marcia Lei. June 20 and 25, 2005. (1) Library and information science education landscape. (2) Research methods in library and information science research. (3) Controlled vocabularies and KOS interoperability. Lectures gave to the graduate students of Documentation and Information Center of the Chinese Academy of Sciences. Beijing, China.

Zeng, Marcia Lei. June 21, 2005. Updates of standards for controlled vocabularies. Presented to the Editorial Committee of the Chinese Library Classification, National Library of China, Beijing.

Zeng, Marcia Lei. July 5-8, 2004. Knowledge Organization Systems (KOS) and Metadata in Information Architecture of Digital libraries, digital collections, and websites. A 4-day lecture taught at Shanghai Jiaotong University.

Zeng, Marcia Lei. June 28-30, 2004. (1) Semantic Web and knowledge organization systems; (2) Applications of the Semantic Web; (3) Digital libraries: development trends and challenges; (4) Digital learning environment supported by digital libraries. Presented at the 3rd Seminar of Network Resources and Services, Beijing. Invited by China Society for Sci/Tech Information and Beijing Document Services. Sponsored by the Foreign Experts Bureau of the State Council of China.

Zeng, Marcia Lei. June 23-25, 2004. (1) Digital libraries: development trends and challenges; (2) Application of the Semantic Web; (3) Digital learning environment supported by digital libraries. Presented at Research and Development Frontiers in Digital Libraries, The Advanced Digital Library Seminar (ADLS), 2004, Shenzhen, Guangdong, China. Sponsored by China Academic Library and Information System (CALIS).

Zeng, Marcia Lei. June 16 and 17, 2004. Development of digital libraries in the United States. Presented at Shanghai Normal University Library (June 16) and Yunnan Province Library, Kunming, Yunnan (June 17).

Zeng, Marcia, Lei. May 17. 2002. Interoperability of Metadata. A lecture presented at the National Library of China (NLC). Beijing, China. Invited by the NLC.

Zeng, Marcia Lei. May 17. 2002. Interoperability of Metadata and Interoperability of Metadata and Markup Languages. A lecture gave to the graduate students of Documentation and Information Center of the Chinese Academy of Sciences. Beijing, China.

Zeng, Lei et al. Information Technology Update. A Seminar at Beijing Document Service and China Society for Sci-Tech Information, July 31 -- August 5, 2000, Beijing.

Zeng, Marcia Lei and Foster J. Zhang. 1999. Research, Development, and Implementation of Digital Libraries. Lectures presented in the university libraries of Peking University, Shanghai Jiao-tong University and National Library of China, August 30-September 10. Invited by Peking University, Shanghai Jiao-tong University, and National Library of China.

Zeng, Lei. 1997. (1) Information representation and value-added process in online databases; (2) Information retrieval systems: research and experiments; (3) Internet and WWW information management -- approaches beyond Internet search engines; (4) Copyright issues in the electronic publishing environment; (5) SGML; (6) An image-text retrieval system. (With Foster Zhang:)(7) Overview of database and information industry in the world; and (8) Ten major areas of network and information technologies. Presented at Seminar of Network Resources and Services, held in Beijing, June 23-27, 1997. Invited by China Society for Sci/Tech Information and Beijing Document Services.

Zeng, Lei. 1997. Internet and WWW information organization and management: search engines and other six approaches. Nanjing, July 8, 1997. Invited by Nanjing Library Association and Jiangsu Province Association of Academic Libraries.

Zeng, Lei. 1996. (1) SGML and the applications in information processing. (2) Copyright issues in networking environment. (3) Information services based on distributed databases. (4) Interfaces of text-based OPACs vs. Web-based OPACs. (5) Digital Library projects. Presented at the workshops/seminars Information Superhighway and Academic Libraries. invited by Shanghai Jiaotong University, Shanghai University, Peking University, Tsinghua University, China Academy of Sciences, and funded by China National Science.

Zeng Lei. 1994. Digital libraries and information superhighway: recent research and development of information science and technology in the United States. Presented at the Institute of Science and Technology Information of China, Beijing, June 2, 1994.

Zeng, Lei. 1994. (1) Quality analysis and control of bi-lingual bibliographic records in a national database. (2) Research and Development of Indexing Languages. presented at the National Library of China, Beijing, May 24, 1994.

Zeng, Lei. 1994. (1) Quality control of large shared online cataloging databases. (2) OPAC interface design. Library Automation workshop, Peking University, Peking University, Beijing, May 25-30, 1994.

Zeng Lei. 1994. Trends in the education of library and information science. Presented at Department of Information Management of Peking University, Beijing, May 31, 1994.

Poster Presentations, Demonstrations, and Trainings at National and International Conferences

Huang, Claire M. and Marcia L. Zeng. 2019. A New Step: Creating the Union Catalog of Chinese Cultural Objects. *International Council of Museums (ICOM) 25th General Conference*, 1-7 September 2019. Kyoto, Japan. (Winner of the Best Poster Award.)

Watkins, Trevor, Cameron Hughes, Tracey Hughes, Lael Hughes-Watkins, and Marcia Zeng. 2019. *IFLA's 85th World Library and Information Congress (WLIC)*, August 24-30, Athens, Greece.

Zeng, Marcia Lei, Maja Zumer, and Yin Zhang. 2019. Revealing the innovation history by using smart data - A conceptual and methodological exploration and demonstration. *Conceptions of Library and Information Science (CoLIS) 2019 International Conference*, June 16-18, Ljubljana, Slovenia.

Zhang, Yin, Tao Hu, and Marcia L. Zeng. 2018. Patent Transfers Between Universities and Firms: A Network and Spatial-Temporal Analysis. A work-in-progress poster for the *6th International Conference on Innovation and Entrepreneurship (ICIE)*, 5 - 6 March 2018, Washington DC, USA

Crandall, Michael, Marcia L. Zeng, Stuart A. Sutton, & Thomas Baker. 2018. A Linked Data Competency Framework for Educators and Learners. *ALISE 2018*, Feb. 6-9, Denver, Colorado.

Zeng, Marcia Lei, Shu-Jiun Chen. 2017. Turn Over a New Facet: An Analysis of the Applications of Faceted Systems for Facilitating the Explorations of Museum Collections on the Web. *International UDC Seminar 2017: Faceted Classification Today: Theory, Technology and End Users*, September 14-15, 2017, London, UK.

Hu, Tao, Marcia Zeng, et. al. 2017. Spatial-temporal Variation based Innovation History Visualization: A Case Study of the Liquid Crystal Institute at Kent State University. To be presented at *Digital Humanities 2017*, August 8-11, 2017, Montreal, Canada.

Zeng, Marcia Lei, Gregg Garcia, and Jonathan Ward. 2017. Linked Open Data (LOD) Vocabularies: Querying, Dumping, Re-Using, and Serving. Presented as a How-to Session at *MW17: Museums and the Web Conference*, April 19-22, 2017, Cleveland, Ohio, USA.

Zeng, Marcia Lei, Sam Oh, Jian Qin, Michael Crandall, Tom Baker, and Wei Fan. 2017. Building Learning Modules around the Competency Index for Linked Data" Presented as a Sessions for Interaction and Engagement (SIE) at *iConference 2017*, March 22-25, 2017 Wuhan, China.

Cradall, Michael, Marcia L. Zeng, Thomas Baker, Majorie Hlava, and Stuart Sutton. Building Curriculum for Linked Data Education. 2016. Workshop at the *International Conference on Dublin Core & Metadata Applications*, October 13-16, 2016, Copenhagen, Denmark.

Michael Crandall, Marcia L. Zeng, & Stuart A. Sutton. 2016. Linked Data for Professional Education: Enabling Librarians to Learn the Basics and Beyond. *IFLA World Library and Information Congress 82nd General Conference and Assembly, 13-19 August 2016, Columbus, Ohio*.

Oh, Sam, Marcia L. Zeng, Michael Crandall, Stuart A. Sutton, and Thomas Baker. 2015. Linked Data for Professional Education (LD4PE) Project. *2015 International Conference on Asia-Pacific Digital Libraries (ICADL)*, December 9-12, 2015, Seoul, Korea.

Gracy, Karen and Marcia Zeng. 2015. Creating Linked Data within Archival Description: Tools for Extracting, Validating, and Encoding Access Points for Finding Aids. *DH 2015, International Conference of the Alliance of Digital Humanities Organizations (ADHO)*, June 29–July 3, 2015, Sydney, Australia.

Salaba, Athena, Marcia Zeng, and Yin Zhang. 2013. Are Ph.D. graduates prepared to meet the challenges of information organization in the Semantic Web era? Association for Library and Information Science Education (ALISE) Conference, January 22-25, 2013, Seattle.

Subirats, Imma, Marcia Zeng & Johannes Keizer. 2011. Metadata Approaches for Shareable and LOD-enabled Bibliographic Data from Open Repositories. International Conference on Dublin Core and Metadata Applications, The Hague, the Netherlands. September 21-23, 2011.

Morshed, Ahsan, Gudrun Johannsen, Johannes Keizer, and Marcia Zeng. 2010. Bridging End Users' Terms and AGROVOC Concept Server Vocabularies. Making Metadata Work Harder: Celebrating 15 Years of Dublin Core. Proceedings of the International Conference on Dublin Core and Metadata Applications, Pittsburgh, October 20-22, 2010.

Lee, Jaesun, Marcia Lei Zeng and Allene F. Hayes. 2009. Report of a World-wide Survey on Metadata Decisions for Digital Libraries. In: *Semantic Interoperability of Linked Data: Proceedings of the International Conference on Dublin Core and Metadata Applications, Seoul, October 12-16, 2009*, ed. Samgyun Oh, Shigeo Sugimoto, and Stuart A. Sutton. Seoul: Dublin Core metadata Initiative and National Library of Korea: 128-130. ISSN: 1939-1366. Abstract: <http://dcpapers.dublincore.org/ojs/pubs/article/view/956/959>

Zeng, Marcia Lei, Wei Fan and Xia Lin. 2008. SKOS for an Integrated Vocabulary Structure. In: *Metadata for Semantic and Social Applications: Proceedings of the International Conference on Dublin Core and Metadata Applications, Berlin, September 22–26, 2008*, ed. Jane Greenburg and Wolfgang Klas (Goettingen: Dublin Core Metadata Initiative and Universitätsverlag Goettingen, 2008: 200-201. ISSN: 1939-1366. (This poster won the Best Poster Award at the conference) <http://www.slideshare.net/mzeng/skos-for-an-integrated-vocabulary-structure-poster>

Zeng, Marcia Lei, Bhagirathi Subrahmanyam, & Gregory M. Shreve. 2004. Metadata Quality Study for the NSDL Metadata Repository. *NSDL All Project Meeting*, Chicago, November 15-17, 2004.

Shreve, Gregory, Laura Batolo, Adam C. Powell IV, & Marcia Lei Zeng, 2002. Green's Function Research and Education Enhancement Network (GREEN). *NSDL All Project Meeting*, Washington, DC, December 2-4, 2002.

Smith, T.R., Marcia L. Zeng, & ADEPT-KNOW team, Alexandria Digital Library Project UCSB. 2002. Structured models of scientific concepts for organizing, accessing, and using learning materials. *ACM-IEEE Joint Conference on Digital Libraries*, Portland, OR, USA, July 14-18, 2002. DOI: <http://doi.acm.org/10.1145/544220.544355>

Shreve, Gregory, Laura Batolo, Adam C. Powell IV, & Marcia Lei Zeng, 2001. Green's Function Research and Education Enhancement Network (GREEN). *NSDL All Project Meeting*, Washington, DC, December 3-4, 2001.

Zeng, Marcia Lei, & Yu Chen. 2001. An integrated thesaurus management and search system for the networked environment. IFLA Satellite Conference *Subject Retrieval in a Networked Environment*,

Dublin, Ohio, August 14-16, 2001.

Zeng, Marcia Lei. 2001. An Integrated tool for generating metadata records for museum objects. *Museum and the Web 2001*, Seattle, Washington, March 14-17, 2001.

Zeng, Marcia Lei, & Pat Molholt, 2000. Knowledge Organization Scheme for Cross-cultural and Cross-Language Information Systems-- a discussion of issues and challenges. *11th ASIS Classification Research Workshop at the 63th ASIS Annual Conference*, Nov. 12, 2000, Chicago.

Zeng, Marcia Lei. 2000. CAMEd Prototype II. A cross-thesaurus searching system. Symposium on Traditional and Alternative medicine in the 21st Century, October 24-28, Seoul, Korea.

Zeng, Marcia Lei. 1998. CAMEd, a comprehensive information resource of complementary and alternative medicine. Prototype. Presented at the *International Conference on Medicinal Plants*, February 16-19, Bangalore, India.

RESEARCH

Receipt of Research Grants:

Kent State University College of Communication and Information (CCI). Research and Creative Activity Fund (RCA). “Functional Metrics for Linked Open Data (LOD) Products” Role: P.I. with doctoral research assistant Julaine Clunis. (Total requested: \$7,000. Fully funded.)

Kent State University Research Seed Grant. “Developing a Digital Humanities Platform for Researching the History of Innovation.” Role: P.I. A Research Acceleration Award \$10,000. Role: P.I. with Yin Zhang, Hongshan Li, and Xinyue Ye. Submitted Feb. 18, 2017.

Slovenia-USA Bilateral two year travel grant, a joint research project with University of Ljubljana. “Developing a Digital Humanities Platform for Researching the History of Innovation.” P.I.-KSU: Marcia Lei Zeng; P.I.-University of Ljubljana: Maya Žumer. 2015-2017.

U.S. Fulbright Scholar grant, 2015-1016.

Kent State University 2014 Postdoctoral Seed Program. Role: P.I.; with Yin Zhang et. al. (Total awarded: \$40,000 plus benefits for first year post-doc research fellow. Second year matching funds are from KSU SLIS, CCI, and Liquid Cristal Institute).

Institute of Museum and Library Services (IMLS). National Leadership Grants -- Research. To be led by University of Washington iSchool. P.I. Mike Crandall. Role: Partner, P.I. of Kent State. (Total awarded: \$249,527, KSU awarded: 72,075.00, 12/2014-12/2016) Extended to 12/2017.

Slovenia-USA Bilateral two year travel grant, a joint research project with University of Ljubljana. Role: As the P.I. and team leader in U.S.; with Maja Zumer, P.I. and Team leader in Slovenia. Jan. 2014 - Dec. 2015. Funded by Slovenian Research foundation, March 2014. (150,000 EUR, 1/2014-12/2015.)

Institute of Museum and Library Services (IMLS). National Leadership Grants -- Research. P.I. (\$219,386, 10/1/2011 - 9/31/2013)

Slovenia-USA Bilateral three year travel grant, a joint research project with University of Ljubljana. Role: As the P.I. and team leader in U.S.; with Maja Zumer, P.I. and Team leader in Slovenia. Bilateral travel grant no. BI-US/09-12-025, July 1, 2009 – June 30, 2012. This project is tied with a 3-year national science foundation project (no. P5-0361 2009-2011, 75000 EUR per year) of Maja Zumer and her team in Slovenia.

Institute of Museum and Library Services (IMLS) Level I Planning Grant led by University of Washington iSchool. Role: Partner, P.I. of Kent State. (\$49,623, 10/1/2011- 9/31/2012, leader Michael Crandall, U.Washington)

Summer Research and Creative Activity Appointment, 2007. Kent State University. P.I. (\$ 6,500)

National Science Foundation. National Science, Mathematics, Engineering, and Technology Education Digital Library (NSDL) Program grant. P.I. and Project Director. (\$150,784, Sept. 15, 2003 – Aug. 31, 2004)

Ohio Board of Regents/Research Challenge Grant. Co-P.I. (\$78,144, June 1, 2003- May 31, 2005. Project Director Gregory Shreve)

National Science Foundation. National Science, Mathematics, Engineering, and Technology Education Digital Library (NSDL) Program grant. Co-P.I. (\$607,394, Sept. 2001-Aug. 2003, Project Director Gregory Shreve)

Chinese Academy of Sciences. Chinese Science Digital Library (CSDL) Open Digital Information Service Infrastructure Research. Co-P.I. (48,000Yuan, Feb.2002—May 2002, Project Director Xiaolin Zhang)

Ohio Board of Regents/Research Challenge Grant. Co-P.I. (\$97,312, Jan. 2000 - June 2001, Project Director Gregory Shreve)

1998-1999 OCLC Library and Information Science Research Grant. P.I. (\$10,000)

CARL Corporation Multilingual Search Engine Development and Testing project. 1998-1999. P.I. (\$16,316)

1996 Summer Research and Creative Activity Appointment, Kent State University. P.I. (\$ 6,500)

1995-1996 OhioLINK Small Grant Research Program grant. Co-P.I. (\$5,000)

1994-1995 OCLC Library and Information Science Research Grant. P.I. (\$10,000)

1993 Summer Research and Creative Activity Appointment, Kent State University. P.I. (\$ 6,500)

Major Research Projects over the Last Ten Years:

Functional Metrics for Linked Open Data (LOD) Products. 2015 - ongoing

Visual representation of knowledge organization structures. 2015 – ongoing

Digital Humanities Research with Smart Big Data. 2014- ongoing

LOD KOS use cases. 2014- ongoing

Digital Innovation History. 2015 - ongoing

Linked Data for Educators (LD4E). Partner with U.Washington iSchool. 2011-12, 2014-17, ongoing. <http://explore.dublincore.net/>

Connecting libraries to the unfamiliar data and metadata resources in the Linked Open Data (LOD) Universe-The Metadata Vocabulary Junction (MV-Junction) Project. 2011-2014 <http://lod-lam.slis.kent.edu/>

Publishing AAT (Art and Architecture Thesaurus) and Getty vocabularies as Linked Data. Partner with the Getty Research Institute. 2011- ongoing. <http://vocab.getty.edu/>

Dublin Core Application Profile for KOS Resources. 2010-2015. <http://nkos.slis.kent.edu/nkos-ap.html>

Express classification systems with Simple Knowledge Organization System (SKOS) and OWL Web Ontology Language. 2008-2010. (Collaborating with Dewey Decimal Classification).

Functional Requirements for Subject Authority Data. 2007-2012 (with and chair the IFLA Working Group)

Developing a Dublin Core Application Profile for KOS Resources. 2009-2011 (with and chair the Dublin Core Metadata initiative (DCMI) Task Group)

Bridging End Users' Terms and UC-FAO AGROVOC Concept Server Vocabularies. 2010

Interoperability of Thesauri and Ontologies. 2009-2010. (As a part of writing for the ISO 25964 Thesauri and Interoperability with Other Vocabularies)

Developing a *CAM Aging Health Ontology*. 2007. Funded by Kent State University. P.I.

Quality Analysis of Metadata in the NSDL Metadata Repository. 2003-2005. Funded by NSF National Science Digital Library (NSDL) Program. P.I. (With Gregory Shreve and Bhagirathi Subrahmanyam)

Green's Functions Research and Education Enhancement Network (GREEN). 2001-2003. (With MIT, funded by NSF)

Object description on the Internet: A study of current standards and formats -- Testing existing metadata standards and proposed metadata cores in a digitized historical fashion collection, 1998 - 2000. (Funded by OCLC)

report: <http://marciazeng.slis.kent.edu/OCLCreport/cover.html>

template: Template for Cataloging Historical Fashion Collections at Kent State University, based on VRA Core 3 Metadata Standard, 2001.

<http://marciazeng.slis.kent.edu/fashionHTMLtemplate/vra3template.htm>

Digital Library of Complementary and Alternative Medicine (CAMed). (with Columbia University Rosenthal Center for Complementary and Alternative Medicine and Columbia University Health Sciences Division, Office of Scholarly Resources, various private and government funds) 1997 -- present. CAMed prototype II (login:herb; pw:herb1016): <http://marciazeng.slis.kent.edu/MeshNIH/top/home.htm>

IMLS State Library Plans Lexicon Development Project (subcontract with Northern Lights, Inc.) 1999 -2000. (Funded by Institute of Museum and Library Services (IMLS))

Chinese text segmentation processing and Testing. (With Yu Chen) 1998. (First phase funded by CARL Corporation.)

Thesaurus Management System (for multi-thesaurus searching & browsing, thesaurus construction & maintenance). (With Yu Chen) 1999.

A study of Innovative Interfaces from end-users' key selection routine. (With Barbara Schloman)
1995—1996. (Funded by OhioLINK)

HTML Templates for Librarians and Information Professionals (for generating thesauri and indexes)
Site is open to the public: <http://marciazeng.slis.kent.edu/template/intro/toc.html>

Developing control mechanisms for intellectual access for discipline-based virtual libraries -- A study
of the process. 1994-95. (Funded by OCLC)

An Evaluation of the Quality of Chinese-Language Records in the OCLC Database and a Study of a
Rule-based Data Validation System. 1991-93 (Funded by OCLC and KSU.) A by-product, *A Quick
Self-Checking Guide for Chinese Book Cataloging for the OCLC OLUC*, is open to the public:
<http://marciazeng.slis.kent.edu/CJK/home.htm>

Research Proposals Submitted:

Cosmology of Artificial Intelligence Project. With Cameron Hughes, Tracey Hughes (CTEST
Laboratories), Lael Hughes-Watkins, Trevor Watkins (Kent State University). Role: collaborator. A
proposal submitted to the Artificial Intelligence Journal (AIJ) 2018 grant. (Requested: €4587.83 for
18 months. Submitted 07/30/2018.)

Taking Stock of Progress and Potential of Digitized Resources in Libraries – An Environmental Scan
and Strategic Plan for Serving and Engaging Communities. P.I., (with Karen Gracy). A preproposal
submitted to the Institute of Museum and Library Services (IMLS) National Leadership Grant.
(Request: \$121,000 for a one year period (10/01/2018-9/30/2019).

Utilizing Event-Centered Description and Linked Data to Increase Access to Diverse Historical
Materials: The May 4 Events as Case Study. A Research Initiation Award proposal submitted to the
NEH Research and Development grant, Tier I: Planning and Basic Research. Co-P.I. (with Karen
Gracy (P.I.) and Virginia Dressler). Submitted Feb. 18, 2017. (Request: \$75,000.)

Utilizing Event-Centered Description and Linked Data to Increase Access to Diverse Historical
Materials: The May 4 Events as Case Study. A Research Initiation Award proposal submitted to the
Kent State University Research Seed Grant. Co-P.I. [with Karen Gracy (P.I.) and Virginia Dressler].
Submitted Feb. 18, 2017. (Request: \$10,000, Proposal denied.) Also submitted to Research and
Creative Activity Fund, College of Communication and Information Research Grant, April 28, 2017
(Funded by CCI, \$6500).

Developing a Digital Humanities Platform for Researching the History of Innovation. A Research
Acceleration Award proposal submitted to the Kent State University Research Seed Grant. P.I. (with
Yin Zhang, Hongshan Li, and Xinyue Ye). Submitted Feb. 18, 2017. (Request: \$10,000. Fully
funded.)

Developing a Digital Humanities Platform for Researching the History of Innovation. A proposal
submitted to the National Endowment for the Humanities (NEH) Digital Humanities Start-Up Grants
program (for June 2016-Oct.2017). Submitted October 2015. P.I. (with Yin Zhang, Hongshan Li, and
Serhiy Polyakov). (Request: \$75,000. Proposal denied).

Applying Semantic Web Technologies to Digital Humanities -- Developing a Prototype for Creating Interactive Digital Biographies and Reusing Open Digital Archives to Enable Knowledge Rediscovery. A proposal submitted to Fulbright Scholar Program (for Jan.-June, 2016). P.I. Submitted August 2014. (Fully funded).

Digital Humanities Research with Smart Big Data — A Network Framework of Innovation History. A proposal submitted to the Kent State University Internal Post-Doctoral Competition. P.I. (with Yin Zhang, Xinyue Ye, Hongshan Li, and Deng-Ke Yang). Requested: \$40,000, 2015-2016 Academic year. Matched fund: 40,000, 2016-2017. (Fully funded).

Linked Data for Professional Education (LD4PE). A proposal submitted to the Institute of Museum and Library Services (IMLS) National Leadership Grant. December 1, 2014—November 31, 2016. C.I (As a partner of the project led by Univ. Washington iSchool. Kent State Fund: Total Requested: \$249,527, KSU Request: \$72,075) Extended to 11/30/2017. (Fully funded).

Enhancing Archival Access through Semantic Enrichment and Enhancement of Archival Descriptive Data (EAASEE-ADD). A proposal submitted to National Historical Publications and Records Commission (NHPRC), National Archives and Records Administration, Sept. 3, 2013. Co-P.I. (With Karan Gracy, P.I. and Cathy Smith, Co-P.I.) Request from NHPRC: \$143,806.66, 7/1/2014-6/30/2016. (Proposal denied).

A general framework for knowledge organization systems: from a conceptual model to implementation data models. A proposal submitted to the Slovenia-USA Bilateral three-year travel grant, a joint research project with University of Ljubljana, Slovenia (with Maja Zumer, P.I. and Team leader in Slovenia). Funded March 2014. (Role: As the P.I. and team leader in U.S.) (Fully funded).

New Discovery through Linked Data - Research and Demonstration of Innovative Health Information Discovery Systems. A proposal submitted to the Kent State University Post-Doctoral Funding program, Oct. 10, 2012. P.I. (With Yin Zhang, Ruoming Jin, and Christine Hudak). Request for funding of one post-doctor associate. (Requested: \$40,000. Proposal denied).

Connecting libraries to the unfamiliar data and metadata resources in the Linked Open Data (LOD) Universe-The Metadata Vocabulary Junction (MV-Junction) Project. A proposal submitted to the Institute of Museum and Library Services (IMLS) National Leadership Grants—Research Project. P.I. and Project Director (With Karen Gracy). Total requested from IMLS: \$219,386, 10/1/2011 – 9/31/2013. Extended to 9/31/2014. (Fully funded).

Planning for development of an integrated learning platform to teach the principles and process of metadata design for a Linked Data environment. A proposal submitted to the Institute of Museum and Library Services (IMLS) Level I Planning Grant. Partner and P.I. of Kent State. (Leader and P.I. Michael Crandall, University of Washington iSchool). Requested: \$49,623, leader Michael Crandall, 10/1/2011- 9/31/2012. (Fully funded).

Developing a CAM Aging Health Ontology. Submitted to Kent State University Summer Research and Creative Activity Appointment, 2007. P.I. Requested: \$ 6,500. Summer 2007. Fully funded.

Center for Web Credibility: Cultivating Scholarly and Entrepreneurial Products and Services. Submitted to the 2006 Ohio Board of Regents/Research Challenge Grant. Co.P.I. (With Mary

Stansbury (Project Director), David Robins, Jason Holmes, and Stan Wearden. Total requested: \$50,000 1/15/2007-12/31/2008 (Proposal denied).

Developing a CAM Aging Health Ontology. A proposal submitted to IMLS National Leadership Grants Program. P.I. and Project Director (With Gregory Shreve, Kent State University, Fredi Kronenberg, and Pat Molholt, Columbia University. Total requested: 289,934, 10/1/2006 – 9/31/2008 (Proposal denied).

Quality Analysis of Metadata in the NSDL Metadata Repository. A proposal submitted to the NSF National Science Digital Library (NSDL) Program. P.I. (With Gregory Shreve and Bhagirathi Subrahmanyam. Total requested: 150,784, Sept. 2003-Aug. 2004.) (Fully funded).

Enhanced Learning Using the "Adaptive Cognitive Instructional System." National Science Foundation. Evaluative Research and Evaluation Capacity Building (EREC) and Research on Learning and Education (ROLE) Program. (With Bruce J. Diamond (William Paterson University, P.I.) and Gregory M. Shreve). 2003

Enhancing Learning and Information Processing Using the "Adaptive Cognitive Instructional System." Army Research Grant Program FAR 35.016. (With Bruce J. Diamond (William Paterson University, P.I.) and Gregory M. Shreve). 2003.

Global Information Hub on Integrated Medicine. A proposal submitted to the Ministry of Health, Malaysia, Feb.9, 2003. (With Pat Molholt, et. al at Columbia University, budget for 3 years.)

The Cognitive Sensory Adaptive Model: Improving Access to Information Technology for Older Persons. Submitted to the NSF Information Technology Research Program. 2003. Co-P.I. (With Gregory Shreve and Bruce J. Diamond (William Paterson University, P.I.) Total requested: 495,400, Sept.2003 — Aug. 2005.) (Proposal denied). Ranked Competitive.

Computational Materials Science Digital Library and Materials Science Informatics Research Initiative. Submitted to the Ohio Board of Regents/Research Challenge Grant. Co-P.I. (With Gregory Shreve and Laura Batolo). Total requested: \$78,144, June.2003—May 2005. (Fully funded).

Information Technology Think Tank. Submitted to the Ohio Board of Regents/Research Challenge Grant. (With Julie Gedeon et.al.) Total requested: 50,000, June.2003—May 2005 (Proposal denied.)

HEART: Health Related Education Assets and Resource Tools. Submitted to the Ohio Learning Network Emerging Needs program. (With Rosemary DuMont et al., Sept. 2002 (Proposal denied.)

Toward a materials science digital library: Integrating object oriented finite element analysis into the NSDL. Proposal submitted to the NSF SMETE Digital Library, 2002. Co-P.I. (With Gregory Shreve (director), Laura Batolo, Sharon C Glotzer (U. Michigan), Kenneth W White (U. Houston). Total requested \$372,188, Sept. 2002-Aug. 2003.) (Proposal denied.)

Open description for information systems in a distributed environment. Proposal submitted to the Chinese Science Digital Library (CSDL) program, Chinese Academy of Sciences, 2002. Co-P.I. (With Zhang Xiaolin (director), Li Guangjian, Liu Wei, and Feng Ying. Total requested: 48,000Yuan, Feb.2002—May 2002.) (Fully funded.)

Research on the evaluating technology of Chinese information retrieval systems. Proposal Submitted

to the China National Science Foundation, 2002. Co-P.I. (With Chen Yu (director) et al. Total requested: 250,000Yuan, Sept. 2002-Dec. 2003.) (Proposal denied.)

An Investigation of Opportunities, Needs, and Requirements for a Usability Research Laboratory And Usability Courses at Kent State. (With Roger Fidler (director), et. al.) (Proposal denied.)

Green's Function Research and Education Enhancement Network (GREEN). Proposal submitted to the NSF SMETE Digital Library. 2001. Co-P.I. (With Gregory Shreve (director), Laura Batolo, and Adam C. Powell IV (MIT). Total requested \$607,394, Sept. 2001-Aug. 2003.) (Fully funded.)

Converging patterns of overlapping metadata schemes, Supporting metadata interoperability. A research proposal submitted to The Special Libraries Association Steven I. Goldspiel Memorial Research Grant. 2001. P.I. (\$20,000 for 1 year), (proposal denied.)

Collaborative on-line workspace for engineering calculations with advanced materials: An integrated information architecture for the NIST Green's Functions Working Group. Submitted to the NSF Information Technology Research Program. 2001. Co-P.I. (With Gregory Shreve (director), Laura Batolo, and Adam C. Powell IV. Total requested \$52,313 for 3 years), (proposal denied.)

Language Engineering: software application suite for cost-effective globalization of commerce. Submitted to the Ohio Technology Action Board grant. 2000. Co-P.I. (With Gregory Shreve (director), et al. Total requested \$250,000 for 2 years), (proposal denied.)

Models for cross-language information retrieval utilizing a Chinese-Korean-English sci-tech document testbed. Submitted in February 2000 to the NSF Information Technology Research Program. 2000. P.I. and Project Director. (with Gregory Shreve and Xia Lin. Total requested \$499,993 for 3 years), (proposal denied.)

A conceptual framework for information retrieval and knowledge discovery in complementary and alternative medicine fields. Submitted to the NSF International Digital Library Program. 2000. Co-P.I. of the whole project with Columbia University (with Pat Molholt and Fredi Kronerberg, total request \$482,000) and P.I. of KSU project (subcontract \$113,967), (proposal denied.)

Interdisciplinary research initiative for the study of the internationalization and Localization of software and electronically- delivered content. Submitted to the Ohio Board of Regents/Research Challenge Grant. Co-P.I. (With Gregory Shreve (Project Director), et al. Amount requested: \$97,312, Grant period: Jan.2000 - June 2001.) (Fully funded.)

Lexicon for IMLS LSTA State Library Plans. Proposal submitted to the Institute of Museum and Library Services (IMLS). 1998. Co-P.I. (Proposal submitted through Northern Lights, Inc. Amount requested: \$24,987. Grant period: October 1998-August 1999.) (Fully funded.)

Object description on the Internet: a study of current standards and formats -- Testing existing metadata standards and proposed metadata cores in a digitized historical fashion collection. Research proposal submitted to OCLC Library and Information Science Research Grant program. 1998. P.I. (Amount requested: \$10,000. Grand period: July 1998-June 1999.) (Fully funded.)

Multilingual search engine development and testing. Proposal submitted to CARL Corporation. 1998. P.I. and Project Director. (With Yu Chen. Amount requested: \$16,316. Grant period: 11/98--06/99.) (Fully funded.)

Digital library of complementary and alternative Medicine. Proposal submitted through Columbia University to the National Library of Medicine. 1997. Co-P.I. of the whole project, P.I. of KSU

subcontract. (With Daniel Eskinazi, Fredi Kronenberg, and Pat Molholt, Capital expenditures requested for KSU: \$215,398 for 1998-2001), (proposal denied.)

Integration of advanced tools for information retrieval from distributed library resources. A joint proposal of WSU, KSU, and OSU submitted to the Ohio Board of Regents. Co-P.I. (With S. Narayanan, Phil. J. Smith, et. al. 1995. Capital expenditures requested from Investment Fund: \$610,000, of which KSU's request was \$46,430), (proposal denied.)

A study of discipline-based virtual libraries --From a prototype to a liquid crystal research virtual library. Proposal submitted to Kent State University Summer Research and Creative Activity Appointments. 1996. P.I. (Amount requested: \$6,500.) (Fully funded.)

A study of Innovative Interfaces from end-users' key selection routine. A proposal submitted to OhioLINK Small Grant Research Program. 1995. Co-P.I. (with Barbara Schloman. Amount requested: \$5,000.) (Fully funded.)

Databases for scientific and technological information in China: Distances from developed countries and alternatives for future development. A research proposal submitted to Center for Modern China, Princeton University. 1995. P.I. (Amount requested: \$45,000.) (No results)

Developing control mechanisms for intellectual access for discipline-based virtual libraries -- A study of the process. Research proposal submitted to OCLC Library and Information Science Research Grant program. 1994. P.I. (Amount requested: \$10,000. Grand period: July 1994-June 1995.) (Fully funded.)

Document studies for the design of discipline-focused digital libraries. Sub-project proposal contributed to the Joint Proposal submitted to the NSF Research on Digital Libraries by CWRU (Case Western Reserve University) and VPI (Virginia Polytechnic Institute and State University). 1994. (With Kaye Gapen), (Proposal denied.)

A study of production rules used for improving productivity and quality of Chinese materials cataloging. Proposal submitted to KSU 1993 Summer Research Appointment Program. P.I. (Amount requested: \$6,500. Grant period: June--August, 1993.) (Fully funded.)

An evaluation of the quality of Chinese-language records in the OCLC database and a study of a rule-based data validation system. Proposal submitted to the OCLC Library and Information Science Research Grant program. 1991. (With Edie Rasmussen (Director). Amount requested: \$10,000. Grant period: July 1991-June 1992.) (Fully funded.)

Other Grants Activities

Creating an Undergraduate Minor in Applied Data Science (ADS) to Benefit Students Across Disciplines at Kent State University. (With Dr. Yin Zhang). Submitted to the University Teaching Council -- Summer Teaching Development Grant. (Fully funded with \$9,000.00)

Ph.D. in Information Organization in the Semantic Web Era--A new generation of educators, researchers, and professional leaders in information organization. Co-P.I. (with Athena Salaba and Yin Zhang). Submitted to the IMLS Laura Bush for the 21st Century Librarian program, Sept. 2012 Co-P.I. with Athena Salaba and Yin Zhang. (Total requested: \$499,444.16) (Rejected)

Encouraging Digital Advocacy and Professional Training (EDAPT): Educating Information Professionals to Build and Preserve Digital Collections. Co-P.I. (Director: Karen Gracy, co-P.I. Athena Salaba). Submitted to the IMLS Continuing Education grant. December 2009. (Rejected)

Application to the Aid of Cultural Emergency Response for Rebuilding Beichuan Qiang Autonomous County Public Library. Prepared English proposal with the help of Beichuan Library administrators. Submitted to the Cultural Emergency Response Program, Prince Claus Fund, the Netherlands. November 2008. Requested: Euro 120,000. Fully funded.

PROFESSIONAL SERVICES AND ACTIVITIES

National and International Level Appointments

- iSchools consortium
 - Chair, iSchools Digital Humanities Curriculum Committee, 2019-2021.
- International Society for Knowledge Organization (ISKO)
 - Member, Executive Board, 2008-2012, 2016-2020, 2020-2024.
 - ISKO international conference Program Committee, 2008, 2010, 2012, 2014.
 - Liaison of ISO/TC 37/SC 3 "Management of terminology resources", representing ISKO, 2020 -
- Dublin Core Metadata Initiative (DCMI)FACM
 - Advisory Board, Inaugural Chair, 2013-2014. Past Chair, 2015.
 - Executive Board member, 2013- 2015
 - Education Committee member, 2020 - present
 - Dublin Core KOS Resource Application Profile (DCMI-NKOS) Task Group, Co-Chair. 2009 –present.
 - DCMI Teaching Metadata Interest Group. Co-Chair. 2019 –
 - International Conference on Dublin Core and Metadata Applications.
 - Conference Committee member. Tutorial Program Chair. 2010.
 - Conference Committee member. Presentations Program Committee co-chair, 2019.
 - Conference Committee member, 2020.
 - Conference Committee member. Conference program - Papers, panels and posters co-chair, 2021
- Association of Information Science and Technology (ASIS&T)
 - Directors-at-Large, 2010-2013. <http://www.asis.org/zeng.html>
 - Standards Committee, Chair, 2006-2009; Member 2003-present
 - Voting Representative for National Information Standards Organization (NISO), 2006 –2009
 - 2010 Annual Conference Program Committee, member.
 - ProQuest Doctoral Dissertation Award Jury, 2005
 - 2002 Annual Conference Program Committee, member.
 - SIG/CR Classification Workshop Program Committee, member, 2001
 - Chapter Representative 1993-1995
- ISO (International Organization for Standardization)
 - ISO 25964 Structured Vocabularies for Information Retrieval Working Group, 2008-2013
- European Union- ISA (Interoperability Solutions for European Public Administrations) Programme. - Asset Description Metadata Schema (ADMS) Working Group

- Invited Expert. <https://joinup.ec.europa.eu/asset/adms/document/adms-working-group>, 2012
- International Federation of Library Associations and Institutions (IFLA)
 - Association level
 - Working Group on IFLA Guidelines for Digital Libraries, member, 2007—2010
 - The Working Group developed IFLA Manifesto for Digital Libraries which was endorsed by UNESCO, 2011-11.
 - Division IV (Bibliographic Control)
 - Coordinating Board, member, 2003-2005
 - Working Group on FRBR model for subject authority records –Functional Requirements for Subject Authority Records (FRSAR), Chair, 2005-2011
 - Section on Classification and Indexing
 - Chair, 2003-2005
 - Standing Committee, Member, 1997-2001; 2002-2005
 - Working Group on Web and Digital Library Subject Access, Chair, 1999-2003.
 - Working Group on Guidelines for Multilingual Thesauri, member, 1999-2007
 - Working Group on Virtual Clearinghouse for Subject Access Tools, member, 2003-2005
 - Information Coordinator, 2000-2003.
 - Section of Cataloguing
 - Standing Committee, member, 2005-2007
 - 67th IFLA Council and General Conference Program Planning Task Force, Member, 1998 – 2001.
 - IFLA Satellite Conference “Subject Retrieval in a Networked Environment” Organization Committee member, 2000-2001.
- Special Libraries Association (SLA)
 - Technical Standards Committee, Chair, 2001-2004. Member, 2001-2005.
 - Committee on Cataloging, Chair, 1999-2000, Member, 1997-1999.
 - Representative to IFLA, 1997-2001; 2002-2005.
 - Voting Representative for National Information Standards Organization (NISO), 2001-2004.
- NISO (National Information Standards Organization)
 - Voting member, ASIS&T representative, 2006 -2009
 - Voting member, SLA representative, 2001-2004
 - Member of Advisory Group for NISO Z39.19 revision, 2003
- China Society of Indexers,
 - Board member, 1999-2002. Advisory Group Member, 2003- present
- Chinese Society for Scientific and Technical Information,
 - Committee of Information Technologies, member, 1999 –2001
- American Society of Indexers (ASI)
 - Liaison to the China Society of Indexers, 1999 – 2003
- NKOS (Networked Knowledge Organization Systems) Group
 - Webmaster, 2001 – present, (<http://nkos.slis.kent.edu>)
 - Annual NKOS Workshop co-organizer. 2001, 2003, 2008—present.
- National Science Digital Library (NSDL)
 - 2004 Annual Meeting Program Subcommittee member
 - NSDL Policy Committee Nominating Committee member. 2004-2005
- W3C Library Linked Data Incubator Group (LLD XG).
 - Invited Expert Member. 2010-09 –2011-10.

Regional

- Northern Ohio Chapter of the American Society for Information Science & Technology (NorASIS&T)
 - Chair, 1998-1999.
 - Member of the Program Committee, Web Committee, etc. and Chapter Representative, various years from 1993 to present
- Cleveland Chapter of the Special Libraries Association (SLA-CLE)
 - Professional Development Committee, Chair, various years during 1996-2001.
 - Member of the Chapter Advisory Council, Chapter Web Page Development Committee, Program Committee, etc., various years during 1996-1999.

Local – Kent State University

Committee Assignments

- Kent State University (KSU)
 - University Promotion Advisory Board. 2012-2013. 2017
 - Kent State University Program Review Committee for Department of Modern and Classical Language Studies (MCLS). 2010
 - Kent State University Library Vision Committee. 2010--2011
 - University Research Council Subcommittee of Research/Creative Summer/AY Appointments. 2009
 - University Tenure Advisory Board. 2004-2005.
 - Web Initiative Committee. 2001--
 - Cyber Information Institute. Advisory Committee. 2001--
 - University-Wide Review Committee of the Library Strategic Planning. 1999-2000
- College of Communication and Information (CCI), KSU:
 - CCI Doctoral Studies Committee. 2012-2015.
 - CCI Curriculum Committee. 2002-2003
 - School of Communication Studies Tenure and Promotion Committee, 2004, 2014
 - School of Communication Studies Reappointment Committee, 2004
- School of Library and Information Science, KSU:
 - Educational Technology Committee. 1992- 2015
 - Curriculum Committee. 1992-2012, 2017-present
 - SLIS Digital Lab Committee. 2010
 - Special Libraries Association KSU Student Group advisor, 1993-2005. (The Student Group has received SLA Certificate of Merit several times, including the highest recognitions at various years.)
 - Search committees, many times. (Most recent: member 2014, 2015, 2018)
 - Committee on Core Constituency Advisory Team (CCAT), Liaison of Special Libraries CCAP Team, 2002- present
 - Student Grievance Committee. 2003, 2012-2015
 - Information Architecture and Knowledge Management (IAKM) interdisciplinary program. Curriculum Committee. 2001-
 - Admission and Award Committee. 2016-2017
 - Online Education Committee. 2016-2017
 - Ad hoc group for Data Science, Chair. 2017.

Other Contributions to and Activities in the University

- Doctoral Dissertations:
 - Doctoral Dissertation Committee member for Ms. Rodríguez-Castro, Mónica. 2011. “Elements of Task, Job, and Professional Satisfaction in the Language Industry: An Empirical Model”. Defense November 3, 2011. Advisor Prof. Dr. Gregory M Shreve, Department of Modern and Classical Language Studies, Kent State University
 - (Other Doctoral Dissertation Committees for Communication Studies, since 1990’s)
 - College’s Graduate Faculty Representative for Vikanda Pornsakulvanich’s Ph.D. dissertation defense, June, 2005.
- Assisted Drs. Rubin, DuMont, and Dean Gardino and contributed to the development of a research focus and the transformation of a research institute into Institute of Social and Humanities Informatics, College of Communication and Information, 2007-2008
- Assisted Dr. Rubin in the development of the curriculum for the new IAKM concentration on Health Information Management (HIM), 2008
- Participated in the Summit on Sponsored Research, Kent State University, January 29, 2007.
- To the KSU Museum:
 - Helped the background research of the exhibition “Allegory and Symbol: Chinese Robes in the Kent State University Museum Collection” (exhibition dates: 2004/11-2005.11)
 - Initiated and helped communications and organization of an exhibition: “Mandala and Temple Sacred Architecture in Tibet”, (exhibition dates: Oct.10,2001—Dec.15,2002), and a seminar “In the Beginning was the Place: Sacred Space in Tibetan Art and Religion” (March 21, 2002) by Dr. John Milton Lundquist, The Susan and Douglas Dillon Chief Librarian of the Oriental Division, The New York Public Library.
 - Contributed to the proposal (Director Jean L. Druessedow) “What Americans Wore, 1820-1920”. Submitted by Kent State University Museum and University Libraries and Media Services to the 1999 National Leadership Grants, Institute of Museum and Library Services.
- To the College of Fine and Professional Arts: Supervised the development of the College website (<http://dept.kent.edu/f&pa/>), with Dr. Yin Zhang and graduate student Adeline Widyastutu. 2001-2002.
- Contributed to the proposal (Director Prof. Thomas Froehlich) for a Fulbright Affiliation Program with the Chiang Mai University, Thailand. Feb. 2002.
- For international exchanges
 - Contributed to the proposal and participated in the program (Director Prof. Rosemary DuMont) for a USIA Affiliation Program with the School of Library and Information Science, Wuhan University, 1994-1997.
 - As the advisor and host of Fulbright Visiting Scholars and other visiting scholars: Long Xiao (Peking University Library Depute Director), Jin-wei Yan (Wuhan University Libraries Director), Yu Chen (Beijing Document Services Director), 1997-1999. Ziran Zhang (Central China Normal University iSchool) 2014-15, Enbo Jiang (China Science Academy Information Institute, Chengdu Branch), 2014-2015. Keping Wang (Shandong SciTech University), 2017-2018. Ning Yang (China Science Academy Information Institute, Chengdu Branch), 2018. Ningyuan Song (Wuhan University) 2018-2019. Sinaí López Castillo, Universidad de Guanajuato, Yuriria, Mexico, 2018.
 - As the host of Mr. Johan Stapel of the Dutch Royal Library, through Akron International Friendship program sponsored by the U.S. Department of State, April 13, 2002.

- As the advisor and host of doctoral student Barbara De Santis, SITLeC - Dipartimento di Studi Interdisciplinari su Traduzione, Lingue e Culture, Università di Bologna, Italy, March – May, 2010.

External Reviewer for International Research Activities

- Taiwan Academia Sinica 2021 Digital Humanities Research Project. 2020.
- IMLS (Institute of Museum and Library Services). 2019.
- Swiss National Science Foundation. 2018.
- Netherlands Organisation for Scientific Research, 2015
- Singapore National Research Foundation (NRF) Interactive Digital Media Research Program, 2008
- The Getty Foundation, J. Paul Getty Trust, 2008
- U.K. Engineering and Physical Sciences Research Council (EPSRC), 2007
- Slovenian Research Agency (ARRS), 2007

Referee of Professional Publications

Journals

- *Cataloging and Classification Quarterly* – 2007 - present
- *The Computer Journal* – 2003
- *Computer Standards & Interfaces* – 2018
- *Digital Scholarship in the Humanities* (Oxford Univ. Press) – 2020
- *Information Sciences: An International Journal* – 2000
- *Information Processing and Management* – 2008 - present
- *International Journal on Digital Libraries (IJDL)* – 2015, 2018
- *International Information & Library Review* -- 1992-1998
- *International Journal of Geographical Information Systems* –2007.
- *International Journal of Metadata, Semantics and Ontologies* -2011.
- *Journal of Association Society for Information Science and Technology (JASIS&T)* 2004 - present
- *Journal of Documentation (JDoc)*– 2010 – present
- *Journal of Library and Information Studies* 圖書資訊學刊, 2015
- *Journal of Library Metadata* – 2016
- *Journal of Information Science* -- 2018
- *Journal of Web Semantics* -- 2013
- *Knowledge Organization* – 2002 – present
- *Literary and Linguistic Computing* – 2014
- *The New Review of Hypermedia and Multimedia (NRHM)* – 2001
- *RQ* –1995
- *Semantic Web Journal (SWJ)*, 2018
- *ISKO Encyclopedia of Knowledge Organization (IEKO)*, 2017-present

Conference Proceedings and Scholarly Publications

- American Society for Information Science and Technology (ASIS&T) Annual Conference contributed papers – 2002, 2006 -- present
- ASIS&T 12th SIGCR Classification Research Workshop contributed papers – 2001
- ASIST SIG-III. International Competition Papers – 2009.
- Conceptions of Library and Information Science (CoLIS), 2019
- Digital Humanities conference papers -2017- present.

- Dublin Core International Metadata Conference proceedings, 2019.
- *Encyclopedia of Library and Information Sciences*, 3rd. edition, 2008
- Extended Semantic Web Conference, 2010 – present
- European Semantic Web Conference (ESWC), 2011
- iConference, 2017-present
- International Conference on Asia-Pacific Digital Libraries (ICADL), 2003 – present
- International Conference on Dublin Core and Metadata Applications, 2003, 2004, 2008 – present
- International ISKO Conference contributed papers –2001 – present
- International Semantic Web Conference (ISWC) contributed papers -2016
- International UDC (Universal Decimal Classification) Seminar - 2015
- *ISKO encyclopedia of Knowledge Organization (IEKO)* -2017
- ISKO-UK Conference contributed papers – 2009-present
- ISKO-C-US Conference contributed papers – 2017
- MTSR (Metadata & Semantics Research Conference), 2012 – present
- Pacific Neighborhood Consortium (PNC) Annual Conference 2016- present

Contributions to Publications by Reviewing and/or Consulting (received acknowledgements in the publications)

- Golub, Koraljka and Ying-Hsang Liu. *Information Organization in Digital Humanities - Global Perspectives*. Routledge. 2019-2020.
- Harpring, Patricia. 2009. *Introduction to Controlled Vocabularies: Terminology for Art, Architecture, and Other Cultural Works*. Los Angeles, California: J. Paul Getty Trust, The Getty Research Institute.
- Baca, Murtha ed. 2008. *Introduction to Metadata: Pathways to Digital Information*. Online Version 2.1 Murtha Baca, Tony Gill, Anne J. Gilliland, Mary S. Woodley. Los Angeles: J. Paul Getty Trust, Getty Research Institute.
- NISO Framework Advisory Group. 2007. *A Framework of Guidance for Building Good Digital Collections*. 3rd ed. Priscilla Caplan, Grace Agnew, Murtha Baca, Carl Fleischhauer, Tony Gill, Ingrid Hsieh-Yee, Jill Koelling, Christie Stephenson, and Karen A. Wetzel.
- Reilly, Ralph. 1992. *Letters from China*, a collection of letters. Ed. by Thomas Reilly. Paterson, N.J.: Franciscan Missionary Union of Holy Name Province.
- Oh, Sam. Ed. 2009. *Korean Arts Education Glossary*, Cultural Arts Education Faceted Classification.

Contributions to societies by presentations

- Zeng, Marcia Lei. 2018. ISKO Chapters - Activities. A short report given at the ISKO General Assembly, 10 July 2018, Porto, Portugal.
- Zeng, Marcia Lei. 2017. Networked Knowledge Organization Systems (NKOS) International Workshops. A short report given at the *11th U.S. Networked Knowledge Organization Systems (NKOS) Workshop at DC2017*. October 29, 2017, Washington, D.C.

Editorial Board

- *Dewey Decimal Classification* 21st edition Chinese Edition Translation and Editing Task Force. 1996-1999
- *Journal of Chinese Library Science*, Editorial Board, 2008--present
- *Journal of Data and Information Science* – Editorial Board, 2015 - present
- *Journal of Data Analytics and Knowledge Discovery (previously Journal of Modern Library and Information Technologies)*, (text in Chinese) Editorial Board, 2003—present

- *Journal of the China Society for Scientific and Technical Information*, (text in Chinese) Editorial Board, 1994—1997
- *Journal of Digital Humanities Research*, (text in Chinese) Editorial Board, 2018--present
- *Chinese Library Classification* 5th Edition, Advisory Committee, 1996--2000 (appointed by the Department of Libraries of China Ministry of Culture).

Conference Organizer and Program Committee ((International- and National-Level)

- ACM/IEEE Joint Conference on Digital Libraries (JCDL) 2020. Organizing Committee. Panel Chair.
- LODLAM Summit 2020. Organizing Committee.
- International Conference on Dublin Core and Metadata Applications (DCMI) 2020. Content and Presentations planning committee. Chair.
- International Conference on Dublin Core and Metadata Applications (DCMI) 2019. Content and Presentations planning committee. Chair.
- Early Career Colloquium, iConference 2017. Chair.
- Rich Semantics and Direct Representation for Digital Collections, Workshop at International Conference on Asia-Pacific Digital Libraries (ICADL), 2016. Program Committee.
- Innovations in Knowledge Organisation (IKO) Advisory Board, 2016 - present
- U.S. NKOS (Networked Knowledge Organization Systems) workshops co-organizer, 2001- - present
- Annual NKOS (Networked Knowledge Organization Systems) workshops at Theory and Practice of Digital Libraries (TPDL) (formerly European Conference on Digital Libraries (ECDL)), program committee, 2004-present
- NKOS (Networked Knowledge Organization Systems) Workshop at International Conference on Asia-Pacific Digital Libraries (ICADL), co-organizer, 2015, 2016.
- International Conference on Asia-Pacific Digital Libraries (ICADL). Co-Chair, Technical Program Committee, 2015. Steering committee, - present
- International Conference on Dublin Core and Metadata Applications, Program Committee, 2003, 2004, 2008 – present
- Shanghai International Library Forum (SILF), 2018
- International Conference on Dublin Core and Metadata Applications, Conference Committee. 2010 (Tutorial Chair)
- International ISKO Conference, Program Committee, 2004 - present
- 7th IFLA Council and General Conference Program Planning Task Force, 1998 - 2001.
- IFLA Satellite Conference "Subject Retrieval in a Networked Environment" Organization Committee, 2000-2001.
- IFLA pre-conference "User interaction based on linked library data" International Program Committee, 2012-2013
- ASIS&T Annual Conference Program Committee, 2002, 2006, 2007
- ASIS SIG/CR Classification Workshop Program Committee, 2001.
- Workshop on Web Information Access and Digital Library (WISE), Program Committee, 2006.
- International UDC (Universal Decimal Classification) Seminar 2011
- MTSR (Metadata & Semantics Research Conference) Program Committee, 2012
- Asia Information Retrieval Symposium (AIRS) Program Committee, 2006
- Annual conference: Research and Development Frontiers in Digital Libraries, Advanced DL Seminar (ADLS), China co-organizer, 2003-present
- International IEEE Information Technology Symposium (IEEE ITSIM), Program Committee,

2008.

Invitational Workshops and Summit (International- and National-Level)

- *International Terminology Working Group (ITWG) meeting*, Getty Research Institute, Getty Center, Los Angeles on 6-7 February 2020.
- *LODLAM Summit* (Linked Open Data in Libraries, Archives and Museums). 3-4 Feb. 2020 (Los Angeles, California, USA).
- *Agrovoc Editors meeting*. 24-25 June 2019, FAO of the UN. Darmstadt, Germany
- *PhotoTech, Photo Archives Research Workshop*, Getty Research Institute, 2018-05-16-17. Getty Center, Los Angeles, California
- *Digital Archives Research Meeting*, University of Tsukuba, Japan. Feb. 14-15, 2018. Tsukuba, Japan
- *LODLAM Summit* (Linked Open Data in Libraries, Archives and Museums) 2013 (L.A. USA), 2015 (Montreal, Canada), 2017 (Venice, Italy).
- *Digital Library Futures, user perspectives and institutional strategies*. A one day conference organized by IFLA's Professional Committee and the Italian Government, August 25, 2009, University of Milan, Milan, Italy.
- *Symposium for Publishers and Libraries*. March 18-19, 2009. OCLC, Dublin, Ohio.
- *Symposium for Publishers and Libraries*. June 2010. Washington, D.C.
- *FRBR in 21st Century Catalogues: An Invitational Workshop*, Ohio. May 2-4, 2005. OCLC, Dublin, Ohio. Keynote speech.
- *NSDL Vocabulary Workshop*. Organized by the National Science Digital Library (NSDL), Funded by the National Science Foundation June 10, -11, 2004, Washington, DC.
- *The Future of the Dewey Decimal Classification: EPC Planning Retreat*, March 15-18, 2004, OCLC, Dublin, OH.
- *NISO/ASI/ALCTS Workshop on Electronic Thesauri: Planning for a Standard*, Organized by the National Information Standards Organization (NISO), the American Society of Indexers (ASI), and the Association for Library Collections and Technical Service (ALCTS). November 4-5, 1999, Washington, DC.
- *Digital Gazetteer Information Exchange (DGIE) Workshop*, Funded by the National Science Foundation, Program 98-121 (Digital Government). October 12-14, 1999, Washington, DC.

Project Advisory Board:

- IMLS grant Creating digital library (DL) design guidelines on accessibility, usability and utility for blind and visually impaired (BVI) users, School of Information, University of Wisconsin Milwaukee, 2015-- present
- Getty Research Institute. Getty Vocabularies Linked Open Data (LOD) project. 2012 – present.
- Academia Sinica, Taiwan. Center for Digital Cultures, Institute of History and Philology 2017-2019.
- 應用鏈結開放資料於數位藝術史之研究 (Linked Open Data for Digital Art History) Academic Sinica, Taiwan, China. 2014-2016.
- National Science Library of the Chinese Academy of Sciences. Chinese 12th Five Year Plan project for Knowledge Organization Systems for Foreign Sci-Tech Information, 2012-2015
- Art and Architecture Thesaurus (AAT) Chinese version, Academic Sinica, Taiwan, China. 2009--present

- The MIRACLE (Making Institutional Repositories in A Collaborative Learning Environment) Project, funded by the IMLS (Institute of Museum and Library Services), School of Information, University of Michigan. \$510,205, 2005-2008
- MCDU (MARC Content Designation Utilization) project, funded by the IMLS (Institute of Museum and Library Services), Texas Center for Digital Knowledge, University of North Texas, \$233,115, 2005-2007

**External Doctoral Dissertation
Advisor or Reviewer**

- Koho, Mikko. 2020. “Representing, Using, and Maintaining Military Historical Linked Data on The Semantic Web” Department of Computer Science, Aalto University. (Role: Pre-examiner)
- Sun, Quangyuan. 2019. “Knowledge Representation of Social Science Quantitative Research Data for Data Curation and Reuse” Nanyang Technological University, Singapore. (Role: External reviewer).
- Tuominen, Jouni. 2017. “Ontology Services for Knowledge Organization Systems” Department of Computer Science, Aalto University, Helsinki, Finland. (Role: Opponent).
- Eckert, Kai. 2012. “Usage-driven Maintenance of Knowledge Organization Systems” Department of Computer Science, Artificial Intelligence Program, University of Mannheim, Germany. (Role: Second Advisor of dissertation).
- Wang, Zhonghong. 2008. "Using Classification Schemes and Thesauri to Build An Organizational Taxonomy for Organizing Content and Supporting Navigation" School of Communication and Information, Nanyang Technological University, Singapore.
- Evans, L. Tiffany. 2004. “A History and Organizational Development Analysis of the Formation of OhioLINK – A Statewide Inter-organizational Library Consortium, 1986-1992” School of Information Sciences, University of Pittsburgh.
- Chen, Xin. 2004. “Text Mining with the Exploitation of User’s Background Knowledge - Discovering Novel Association Rules from Text”, Information Systems Department, New Jersey Institute of Technology.

Conference Session Organizer (National and international)

- Metadata Modeling, Deep Image Annotation, and KOS Vocabulary Development for Digital Collections of Cultural Objects. *International Conference on Asia-Pacific Digital Libraries (ICADL)*. Nov. 19-22, 2018. University of Waikato, Hamilton, New Zealand.
- Providing Access to Cultural Objects Curated in Digital Collections- Models and Profiles, A panel proposal submitted to the DCMI 2018, Porto, Portugal, Sept. 2018.
- Standards and Best Practices Related to the Publication, Exchange, and Usage of Open Data. A panel at *80th ASIS&T Annual Meeting*, October 27-Nov. 1., 2017, Washington, D.C.
- If You Build It, Will They Come? – A Discussion of Use Cases and Barriers of Using the Knowledge Organization Systems (KOS) Available as Linked Open Data (LOD). A panel program at *78th Annual Meeting of the American Society for Information Science and Technology (ASIS&T)*, Nov. 6-10, 2015, St. Louis, MO.
- Knowledge Organization Systems (KOS) as Linked Data Services. A panel program at *Annual Meeting of the American Society for Information Science and Technology (ASIS&T)*, Seattle, WA. Oct.31-Nov.4, 2014.
- Maximizing the Usage of Value Vocabularies in the Linked Data Ecosystem. A panel program at *ASIS&T 76th Annual Meeting*, Montreal, Canada. Nov. 1-6, 2013.
- Semantic Metadata as Linked Data Building Blocks. A panel program at *ASIS&T 75th*

- Annual Meeting*, Baltimore, Maryland, October 26-30, 2012.
- FRBR Implementation and User Research. (Co-organized with Mark Needleman). A panel program at the *2010 ASIST Annual Meeting*, Pittsburgh, Pennsylvania, October 22-27, 2010.
 - Linked Data -- Enabling Standards and Other Approaches. (Co-organized with Yin Zhang and Athena Salaba). A panel at the *2010 ASIST Annual Meeting*, Pittsburgh, Pennsylvania, October, October 22-27, 2010.
 - Web Service-based Applications: Optimizing Indexing, Searching, and Terminology Service. A program at the *2008 ASIST Annual Meeting*, Columbus, OH, October 24-29, 2008.
 - Conceptual Models for Aboutness. A program at the *Tenth International ISKO Conference*, Montréal, Canada, August 5-8, 2008.
 - Panel: Knowledge Organization Systems (KOS) Standards. A program at the *2007 ASIST Annual Meeting*, Milwaukee, Wisconsin, October 19-24, 2007.
 - Perspectives on a Global Sharing of Knowledge Organization Systems. A panel at the *Ninth International ISKO Conference*, Vienna, Austria, July 5-7, 2006.
 - Content Management Standards -- Technical Standards Update. A joint program at the *2004 SLA Annual Conference*, Nashville, TN, June 5-10, 2004.
 - *3rd Seminar on Network Resources and Services*. Sponsored by China Society for Sci/Tech Information and Beijing Document Services. Supported by the Foreign Experts Bureau of the State Council of China. Beijing, China, August 1-5, 2004.
 - Metadata Standards: what's new & how will they impact your work. A joint program at the *2003 SLA Annual Conference*. New York. June 7-12, 2003.
 - Standards Updates and the Special Librarian. A program at the *2003 SLA Annual Conference*. New York. June 7-12, 2003.
 - Meaningful Interactions with Networked Resources: Implementing Knowledge Organization Systems on the Web. (Co-organized with Gail Hodge and Dagobert Soergel)
 - The 6th NKOS (Networked Knowledge Organization Systems) Workshop at *ACM-IEEE Joint Conference on Digital Libraries (JCDL)*, Houston, TX, May 31, 2003.
 - Standards Updates and the Special Librarian. A program at the *2002 SLA Annual Conference*. Los Angeles, CA. June 8-14, 2002.
 - Classification Crosswalks: Bringing Communities Together. The 4th NKOS (Networked Knowledge Organization Systems). (Co-organized with Gail Hodge, Paul Thompson, and Diane Vizine-Goetz). Workshop at *ACM-IEEE Joint Conference on Digital Libraries (JCDL)*, Roanoke, VA. June 28th, 2001.
 - Standards Updates and the Special Librarian. (Co-organized with Margie Hlava). A joint program at the *2001 SLA Annual Conference*. San Antonio, TX, June 2001.
 - Metadata for Libraries: The OCLC CORC Environment. A joint program at the *2000 SLA Annual Conference*. Minneapolis, Minnesota, June 2000.
 - *2nd Seminar on Network Resources and Services*, Beijing, August 1-5, 2000. Sponsored by China Society for Sci/Tech Information and Beijing Document Services. Supported by the Foreign Experts Bureau of the State Council of China.
 - *Symposium on Traditional and Alternative Medicine in the 21st Century*. Seoul, Korea, October 24, 1999. (Organizing Committee member)
 - *Seminar on Network Resources and Services*, Beijing, June 23-27, 1997. Sponsored by China Society for Sci/Tech Information and Beijing Document Services.
 - *Academic Libraries and Information Superhighway*. Presented in three cities in China in August for 14 working days. 1996. Supported by the China National Science Foundation and Chun-Hui Project of the Ministry of Personnel of PRC.
 - Standards for Electronic Documents. A joint program at the *1995 ASIS Mid-Year conference*, Minneapolis, Minnesota, May 24-26, 1995.

- China: Its Growing Economy and the Emerging Information Market. A program at the *1994 ASIS Annual Meeting*, Alexandria, VA, October 17-20, 1994. Papers are published in a special issue “Chinese Information Market” of the *Bulletin of the American Society for Information Science* 1995 June/July issue 21(5).
- *Workshop on Library Automation*, Sponsored by Peking University Library, May, 1994.

--Local

- Co-organized several NORASIS/SLA-CLE *Carrier Night* programs during each year, 1994--2004.
- Organized or coordinated several NORASIS and SLA-CLE Programs, 1995--2004.

Professional Membership

Association for Information Science & Technology (ASIS&T)
International Society for Knowledge Organization (ISKO)
Dublin Core Metadata Initiative (DCMI)