Richard J. Urban

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College of Communication and Information
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Education

PhD, Library and Information Science, University of Illinois at Urbana-Champaign, May 2012

Dissertation Title: Principle Paradigms: Revisiting the Dublin Core 1:1 Principle

Committee: Dr. Michael B. Twidale, Chair; Dr. Allen H. Renear, Director of Research; Dr. Carole L. Palmer; Dr. Jonathan Furner

MS Library and Information Science, University of Illinois at Urbana-Champaign, May 2006

MA History with Certificate in Museum Studies, University of Delaware, May 1997

BA History with Honors, Pennsylvania State University, May 1993

Research Areas

My research interests include knowledge organization for cultural heritage materials with a focus on metadata, ontology development and descriptive standards for cultural heritage collections; the use and users of cultural heritage information (including cultural heritage professionals); and human-computer interaction and user experience in cultural heritage settings.

Publications

Conference Proceedings

Renear, A.H., Urban, R.J. & Wickett, K.M. (2011). Meditations on the logical form of a metadata record. In Proceedings of Balisage: The Markup Conference 2011. Balisage Series on Markup Technologies, vol. 7.

Wickett, K.M., Renear, A.H., & Urban, R.J. (2010). Rule Categories for Collection/Item Metadata Relationships. *Proceedings of the 73rd ASIS&T Annual Meeting.*

Urban, R.J, Adamcyck, P., & Twidale, M.B. (2010). Designing and Developing a Collections Dashboard. In J. Trant and D. Bearman (eds). *Museums and the Web 2010: Proceedings*. Toronto: CA Archives & Museum Informatics.

Wickett, K.M., Urban, R.J., Zheng, W., & Renear, A.H. (2009). A testbed approach for metadata inference rule development. Workshop On Integrating Digital Library Content with Computational Tools and Services. ACM/IEEE Joint Conference on Digital Libraries (JCDL 2009), June 2009, Austin, TX.

Renear, A.H., Wickett, K.M., Urban, R.J., Dubin, D., & Shreeves, S.L. (2008). Collection/Item Metadata Relationships. In *Proceedings of the International Conference on Dublin Core and Metadata Applications*, Berlin, Germany, September 22-26, 2008.

Renear, A.H., Wickett, K.M., Urban, R.J., & Dubin, D. (2008). The Return of the Trivial: Problems Formalizing Collection-Level/Item-Level Metadata Relationships. In *Proceedings of the ACM/IEEE Joint Conference on Digital Libraries, JCDL 2008*, Pittsburgh, PA, USA, June 16-20, 2008.

Renear, A.H., Urban, R. J., Wickett, K.M., Palmer, C.L., & Dubin, D. (2008). Sustaining Collection Value: Managing Collection/Item Metadata Relationships. *Digital Humanities 2008,* Oulou, Finland.

Urban, R., Marty, P. & Twidale, M. (2007). A Second Life for Your Museum: 3D Multi-User Virtual Environments and Museums. In J. Trant and D. Bearman (eds.*). Proceedings of the Museums and the Web*: Toronto, CA: Archives & Museum Informatics.

Refereed Journal Articles

Bailey-Hainer, B. & Urban, R. (2004). The Colorado Digitization Program: a collaboration success story. *Library Hi Tech,* 22, 254-262.

Invited Articles

Misunas, M. & Urban, R. (2010). The Museum Computer Network. In Bates, M.J. & Maack, M.N. (Eds.) *Encyclopedia of Library and Information Science. 3rd Edition.* New York: Taylor & Francis, Inc.

Urban, R. (2007). Second Life, Serious Leisure and LIS. *Bulletin of the American Society for Information Science & Technology*. http://www.asist.org/Bulletin/Aug-07/urban.html

Books

Urban, R. J. (2001). *Reflections of Dravo: The Dravo Oral History Project*. Wilmington, DE: Historical Society of Delaware.

Urban, R. (1999). *The City That Launched a Thousand Ships: Shipbuilding in Wilmington 1644-1997.* Wilmington, DE: Cedar Tree Books.

Book Reviews

Callery, B.G. (2006). Collaborative Access to Virtual Museum Collection Information: Seeing Through the Walls. Binghamton, NY : Haworth Information Press. In *Museum, Arts and Humanities Division Bulletin*, 36(3).

Levy, D. M. (2001). *Scrolling Forward: Making Sense of Digital Documents in the Digital Age*. New York: Arcade. In *Pennsylvania Magazine of History and Biography*, 127(1), 123-24.

Presentations

Conference Presentations

Urban, R.J., Adamczyk, P., & Twidale, M.B. (2010). Cultural Heritage Information Dashboards. iConference 2010, Champaign, IL.

Urban, R. (2007). Museum Metaverses. *Museum Computer Network Annual Meeting*, Chicago, IL. November 7-10, 2007.

Urban, R., Marty, P., & Twidale, M. (2007). A Second Life for Your Museum: The 3D Multi-User Environments and Museums. *Museums & the Web 2007*, San Francisco, CA. April 12, 2007.

Urban, R. (2007). From Fair Use to Fair Trading: Creating a Digital Image Matchmaking Commons. *Visual Resources Association Annual Conference.* Kansas City, MO. March 28, 2007.

Urban, R. (2007). What is a Work? *Visual Resources Association Annual Meeting*. Kansas City, MO. March 29, 2007.

Workshops

Adamczyk, P. Urban, R.J., & Twidale, M.B. (2010). Building and Evaluating Collections Dashboards. *Museums and the Web 2010*, Denver, CO.

Urban, R. (2007). Second Life Museums. Learning and Research in Second Life Workshop, *Internet Research 2008*, Vancouver, BC.

Urban, R. (2007). Virtual Worlds for the Humanities, Arts and Social Sciences. High Performance Computing in the Humanities, Arts and Social Sciences: Supercomputing Education 2007 Summer Workshop, July 29-August 4 2007. San Diego, CA.

Urban, R. (2006). Folio Metaphysics. Workshop Exploring the Limits of Global Models for Integration and Use of Historical and Scientific Information. *ICS-FORTH,* Heraklion, Crete, Greece, October 23-24, 2006

Poster Sessions

Wickett, K.M., Urban, R.J. & Renear, A.H. (forthcoming) Towards a Logical Form for Descriptive Metadata. iConference 2012, Toronto, Canada, February 7-10, 2012.

Urban, R.J. (2010). Principle Violations: Revisiting the Dublin Core 1:1 Principle. *Proceedings of the 73rd Annual ASIS&T Meeting*.

Urban, R.J., &Twidale, M.B. (2010). Patchwork Prototyping a Collections Dashboard. Presented at ALISE 2010, Boston, MA January 12-15, 2010 Available at: http://hdl.handle.net/2142/15069

Urban, R. (2009). Modeling CDWA Lite as and OWL-DL Ontology. iConference 2009, Chapel Hill, N.C., February 8-11, 2009.

Urban, R. (2009). Blended Methods for Ontology Development. Association for Library and Information Science Education(ALISE), Denver, CO, January 20-23, 2009.

Renear, A.H., Wickett, K. M., Urban, R. J. & Dubin, D. (2008). The Return of the Trivial: Problems Formalizing Collection/Item Metadata Relationships. In *JCDL 2008: Proceedings of the 8th ACM/IEEE-CS Joint Conference on Digital Libraries.* ACM Press.

Urban, R., Twidale, M., & Marty, P. (2007). Second Life Museums & Archeological Modeling. *Digital Humanities 2007*, Champaign, IL. June 2-5, 2007.

Rani, S., Goodkin, J., Cobb, J., Habing, T., Urban, R, Eke, J., & Pearce-Moses, R. (2006). Technical Architecture Overview: Tools for Acquisition, Packaging and Ingest of Web Objects into Multiple Repositories. *JCDL 2006: Proceedings of the 6th ACM/IEEE Joint Conference on Digital Libraries*. (pp. 360), Chapel Hill, NC.: ACM Press.

Demonstrations

Urban, R.J. & Twidale, M.B. (2009). Patchwork Prototyping a Collections Dashboard THATCamp 2009, Fairfax, VA.

Twidale, M. & Urban R. (2009). Patchwork Prototyping a Collections Dashboard. *Humanities, Arts, Sciences and Technology Advanced Collaboratory (HASTAC) III*, Urbana, IL.

Urban, R. & M. Twidale. (2009). Patchwork Prototyping a Collections Dashboard. *Museums & the Web 2009*, Indianapolis, IN.

Teaching

University of Illinois at Urbana-Champaign, Graduate School of Library and Information Science, Spring 2011

Instructor – LIS490MUL Museum Informatics

University of Illinois at Urbana-Champaign, Graduate School of Library and Information Science, 2010

Instructor – LIS310 Computing in the Humanities

University of Illinois at Urbana-Champaign, Graduate School of Library and Information Science, 2008

Graduate Teaching Assistant – LIS 502LE Libraries, Information and Society

University of Denver, College of Education, Library and Information Science Program

Adjunct Faculty, 2005 -- LIS 4700 Special Topics: Collaborative Digitization.

Collaborative Digitization Program Workshops, 2002-2006

Instructor -- Introduction to Digitization; Project Management; Digital Imaging; Digital Audio; Dublin Core Metadata; Quality Control for Digital Imaging

University of Delaware, Department of History, 1995-1996

Graduate Teaching Assistant, United States History to 1860

Graduate Teaching Assistant, Western Civilization 1648 to Present

Graduate Teaching Assistant, United States Since 1945

Professional Experience

Graduate Research Assistant. IMLS Digital Collections and Content Project: Collection/Item Metadata Relationships Group, September 2007 – 2009

Participates in ongoing research to characterize relationships between item-level and collection-level metadata.

Project Coordinator, Metadata for You & Me: A Training Program for Shareable Metadata, University of Illinois Library, September 2006- February 2009

Coordinates workshop schedules and facilitates creation of training materials. Assists principal investigators with management of grant activities. Responsible for maintenance of project websites and development of WebCT course modules. http://images.library.uiuc.edu/projects/mym.

Metadata Ecologist, WILL Radio/TV, University of Illinois at Urbana-Champaign, June 2006 – August 2006

Conducts assessment of information workflows for public broadcasting. Develops recommendations for metadata standards and content management systems implementation.

Graduate Assistant, Illinois Digitization Institute, University of Illinois Library, October 2005 – August 2006

Conducts evaluation of IDI workshops. Participates in ongoing IDI workshops related to digital audio best practices. Assists with management of IDI websites.

Graduate Research Asst., ECHO Depository Project, University of Illinois at Urbana-Champaign, June 2005-August 2006

Assists in the evaluation of digital repository systems, including DSpace, Fedora, EPrints and Greenstone. Develops training materials for OCLC Web Archives Workbench. Assists project partners submit content for repository evaluation. Participates in the development and evaluation of METs profiles for digital preservation workflows.

Operations Coordinator, Collaborative Digitization Program, Denver, CO, March 2002-June 2005

Responsible for day-to-day management of the Collaborative Digitization Program (formerly the Colorado Digitization Project) grant projects. Served as liaison between grant recipients and Executive Director. Contributed to grant writing and strategic planning. Collaborated with museum and library professionals to maintain the *Western States Digital Imaging Best Practices*, *Dublin Core Metadata Best Practices*, and *Digital Audio Best Practices*. Consulted with participants and partners on digitization of museum and library collections. Conducted training related to CDP activities. Responsible for content management of project web sites at www.cdpheritage.org

Web Site Coordinator, Historical Society of Pennsylvania, Philadelphia, PA, March 2000- March 2002

Responsible for development of technology plans and budgets in collaboration with President and staff committees. Coordinated technology purchases and outsourced technology support. Administered Society technology assets. Provided technical and desktop application support for a forty-user workgroup. Responsible for design and development of the Society's website at www.hsp.org.

Assistant Curator, Historical Society of Delaware, Wilmington, D, May 1997- March 2000

Team member for the development and installation of the permanent exhibition *Distinctively Delaware*. Coordinated the design and implementation of web-based intranet and educational multimedia kiosks. Wrote scripts and developed content for educational kiosks. Maintained the Society's online presence at www.hsd.org.

Library Technician, Smithsonian Institution Libraries, Washington, D.C. , November 1993 – June 1995

Managed and maintained Gift and Exchange records. Programmed new database search tools for dBase III. Created new statistical reports using database records. Responded to correspondence from international exchange partners. Responsible for ordering serial and monograph titles using NOTIS library system.

Junior Fellow, Library of Congress, Manuscripts Division, Washington, D.C., June 1993 – August 1993

Responsible for the processing of personal papers and corporate records. Assisted in the creation of archival finding aids for processed collections.

Professional Activities

Professional Affiliations

American Association of Museums (AAM)

American Association of State and Local History (AASLH)

American Library Association (ALA)

American Society of Information Science & Technology (ASIS&T)

Association of Computer Machinery (ACM) - Computer-Human Interaction SIG (SIG CHI)

Association of Library and Information Science Educators (ALISE)

Museum Computer Network (MCN)

Research & Professional Service

Co-Convener, ALISE Doctoral SIG (2009)

IMLS Grant Review Panel (2004, 2009, 2010)

HICCS Reviewer (2007, 2008, 2009)

Advisory Board member, *ASIS&T Bulletin (2007-present)*

NEH/IMLS Digital Initiatives Grant Review Panel (2007)

Student Representative, *ASIS&T Bulletin* (2006-2007)

CSCW Reviewer (2006)

NISO Standards Committee. Z39.87 *Technical Metadata for Still Images* (2004-2005)

Museum Computer Network (Board Member 2004-2010)

University and Departmental Service

Graduate School of Library and Information Science

- Doctoral Student Representative, Faculty Committee (2009-2010)
- Doctoral Studies Committee (2008-2009)
- Curriculum Committee (2007-2008)
- President, ASIS&T Student Chapter (2007-2008)
- LEEP Next Generation Advisory Committee (2006-2007)

e-Research Roundtable (ERRT)

Metadata Roundtable (MDRT)

Eclectic Design Research Group (EDRG)

Electronic Publishing Research Group (EPRG)

Conceptual Foundations Research Group (CFG)

Honors and Awards

Beta Phi Mu (October 2010)

Graduate School of Library and Information Science, Jane B. and Robert B. Downs Professional Promise Award (May 2006)

Rare Books and Manuscripts Section (RBMS) Preconference Scholarship (April 2006)