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Professional Preparation

Postdoctoral	University of North Carolina, Chapel Hill	Information and Library Science	2000-2001
Ph.D.	Old Dominion University	Computer Science	2000
M.S.	Old Dominion University	Computer Science	1997
B.S.	Virginia Tech	Computer Science	1991

Appointments

Associate Professor	Old Dominion University, Computer Science Department	Norfolk VA	2008-
Assistant Professor	Old Dominion University, Computer Science Department	Norfolk VA	2002-2008
Computer Engineer	NASA Langley Research Center	Hampton VA	1991-2002
Principal	Unified Research Laboratories	Hampton VA	1995-1996
Summer Visiting Researcher	Air Force Research Laboratory	Albuquerque NM	1999, 2000

Publications

Five Relevant Publications

1. Frank McCown, Catherine C. Marshall, Michael L. Nelson, Why Websites Are Lost (and How They're Sometimes Found), *Communications of the ACM*, (accepted for publication).
2. Charles Cartledge, Michael L. Nelson, Unsupervised Creation of Small World Networks for the Preservation of Digital Objects, *Proceedings of JCDL 2009*, pp. 349-352.
3. Martin Klein, Michael L. Nelson, A Comparison of Techniques for Estimating IDF Values to Generate Lexical Signatures for the Web, *Proceedings of WIDM 2008*, pp. 39-46.
4. Michael L. Nelson, Frank McCown, Joan A. Smith, Martin Klein, Using The Web Infrastructure To Preserve Web Pages, *International Journal on Digital Libraries*, 6(4), pp. 327-349, 2007.
5. Frank McCown, Xiaoming Liu, Michael L. Nelson, Mohammad Zubair, Search Engine Coverage of the OAI-PMH Corpus, *IEEE Internet Computing*, 10(2), 2006, pp. 66-73.

Five Other Publications

1. Raia Haq, Michael L. Nelson, Using Timed-Release Cryptography to Mitigate The Preservation Risk of Embargo Periods, *Proceedings of JCDL 2009*, pp. 183-192.
2. Herbert Van de Sompel, Carl Lagoze, Michael L. Nelson, Simeon Warner, Robert Sanderson, Pete Johnston, Adding eScience Assets to the Data Web, *Proceedings of Linked Data on the Web (LDOW2009)*.

3. Johan Bollen, Michael L. Nelson, Gary Geisler, Raquel Araujo, Usage derived recommendations for a video digital library, *Journal of Network and Computer Applications*, 30(3), pp. 1059-1083, 2007.
4. Terry L. Harrison and Michael L. Nelson, Just-In-Time Recovery of Missing Web Pages, *Proceedings of Hypertext 2006*, pp. 157-168.
5. X. Liu, J. Bollen, M. L. Nelson and H. Van de Sompel, Co-authorship networks in the digital library research community, *Information Processing and Management*, 41(6), pp. 1462-1480, 2005.

Synergistic Activities

Open Archives Initiative Co-Editor

1. "ORE Specification and User Guide - Table of Contents", (co-editor with H. Van de Sompel, C. Lagoze, P. Johnston, R. Sanderson and S. Warner), <http://www.openarchives.org/ore/toc>
2. "The Open Archives Initiative Protocol for Metadata Harvesting", (co-editor with H. Van de Sompel, C. Lagoze & S. Warner), <http://www.openarchives.org/OAI/openarchivesprotocol.html>
3. "Specification for an OAI Static Repository and an OAI Static Repository Gateway", (co-editor with H. Van de Sompel, C. Lagoze, S. Warner, P. Hochstenbach & H. Jerez), <http://www.openarchives.org/OAI/2.0/guidelines-static-repository.htm>
4. "Implementation Guidelines for the Open Archives Initiative Protocol for Metadata Harvesting", (co-editor with H. Van de Sompel, C. Lagoze & S. Warner), <http://www.openarchives.org/OAI/2.0/guidelines.htm>
5. "Conveying rights expressions about metadata in the OAI-PMH framework", (co-editor with H. Van de Sompel, C. Lagoze & S. Warner), <http://www.openarchives.org/OAI/test/guidelines-rights.htm>

Five Recent Invited Presentations

1. "OAI-ORE: The Open Archives Initiative Object Reuse and Exchange Project", Keynote at RIBDA-2009, Lima Peru, October 29, 2009.
2. "OAI-ORE: The Open Archives Initiative Object Reuse and Exchange Project", Keynote at WCI-2009, Berlin Germany, October 15, 2009.
3. "(Re-)Discovering Lost Web Pages", Emory University Mathematics & Computer Science Department Seminar, October 2, 2009.
4. "Can't Find Your 404s?", Santa Fe Complex, Santa Fe NM, March 13, 2009.
5. "Synchronicity: Just-In-Time Discovery of Lost Web Pages", NDIIPP Partners Meeting, Washington DC, June 25, 2009.

Collaborators Not Listed Above

George Roncaglia (NASA LaRC), Mike Little (NASA LaRC), Ronnie Gillian (NASA LaRC).

Advisors

Graduate: Kurt Maly, Old Dominion University

Postdoctoral: Gary Marchionini, University of North Carolina