



Michele C. Weigle



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[Admin](#)

[Home](#)

[Research](#)

[Publications](#)

[Students](#)

[CV \(pdf\)](#)

[Resources](#)

[Working With Me](#)

[Research Methods](#)

[InfoVis](#)

[Teaching](#)

[Schedule/Travel](#)

[Personal](#)

Teaching/Admin News

Graduate Program Director, [MS Program](#)

- Spring 2016 office hours: Tues/Thurs 10:30am-12pm
- [Weekly meeting and travel schedule](#)

Spring 2016

- [CS 725/825](#) - Information Visualization - Wed 9:30am-12:15pm, E&CS 2120
- CS 595 - Topics in Cybersecurity - Wed 1:30-5:30pm, Constant 2003
short course for the [Government Sector Leadership Certificate](#)

Research News

Research Interests: web science, digital preservation, information visualization, mobile computing, wireless networks

[WS-DL Blog](#) - Recent Posts

- [2016-03-22: Language Detection: Where to start?](#)
- [2016-03-07: Archives Unleashed Web Archive Hackathon Trip Report \(#hackarchives\)](#)
- [2016-03-07: Custom Missions in the COVE Tool](#)
- [2016-02-24: Acquisition of Mementos and Their Content Is More Challenging Than Expected](#)
- [2016-01-28: January 2016 Federal Cloud Computing Summit](#)

InfoVis Gallery

Recent Publications and Talks

1. Shahram Mohrehkesh, Michele C. Weigle and Sajal Das, "Energy Harvesting in Electromagnetic Nanonetworks," *IEEE Computer*, 2016, to appear. ([BibTeX](#))
2. Justin F. Brunelle, Krista Ferrante, Eliot Wilczek, Michele C. Weigle and Michael L. Nelson, "[Leveraging Heritrix and the Wayback Machine on a Corporate Intranet: A Case Study on Improving Corporate Archives](#)," *D-Lib Magazine*, Vol. 22, No. 1/2, Jan/Feb 2016. ([BibTeX](#))
3. Justin F. Brunelle, Michele C. Weigle and Michael L. Nelson, "[Adapting the Hypercube Model to Archive Deferred Representations and Their Descendants](#)," Technical report arxiv:1601.05142, Old Dominion University. ([BibTeX](#))
4. Justin F. Brunelle, Michele C. Weigle and Michael L. Nelson, "[Archiving Deferred Representations Using a Two-Tiered Crawling Approach](#)," In *Proceedings of the International Conference on Digital Preservation (iPRES)*. Chapel Hill, NC, November 2015. ([BibTeX](#))
5. Mohamed Aturban, Michael L. Nelson and Michele C. Weigle, "Quantifying Orphaned Annotations in Hypothes.is," In *Proceedings of the Theory and Practice of Digital Libraries Conference (TPDL)*. Poznan, Poland, September 2015. ([PDF](#), [BibTeX](#))
6. Justin Brunelle, Mat Kelly, Hany SalahEldeen, Michele C. Weigle and Michael L. Nelson, "[Not All Mementos Are Created Equal: Measuring the Impact of Missing Resources](#)," *International Journal of Digital Libraries (IJDL)*, Vol. 16, No. 3-4, September 2015. ([BibTeX](#))
7. Yasmin Alnoamany, Michael L. Nelson and Michele C. Weigle, "Detecting Off-Topic Pages in Web Archives," In *Proceedings of the Theory and Practice of Digital Libraries Conference (TPDL)*. Poznan, Poland, September 2015. ([PDF](#), [BibTeX](#))
8. Yasmin Alnoamany, Michele C. Weigle and Michael L. Nelson, "Characteristics of

8. Yashmin AlNoamany, Michele C. Weigle and Michael L. Nelson, "Characteristics of Social Media Stories," In *Proceedings of the Theory and Practice of Digital Libraries Conference (TPDL)*. Poznan, Poland, September 2015. ([PDF](#), [BibTeX](#))
9. Shahram Mohrehkesh, Michele C. Weigle and Sajal Das, "DRIH-MAC: A Distributed Receiver-Initiated Harvesting-aware MAC for NanoNetworks," *IEEE Transactions on Molecular, Biological, and Multi-Scale Communications (T-MBMC)*, Vol. 1, No. 1, 2015, pp. 97-110. ([PDF](#), [BibTeX](#))

Award Papers

1. Lulwah Alkwai, Michael L. Nelson and Michele C. Weigle, "How Well Are Arabic Websites Archived?" In *Proceedings of the ACM/IEEE Joint Conference on Digital Libraries (JCDL)*. Knoxville, TN, June 2015, **Best Student Paper Award**. ([PDF](#), [BibTeX](#))
2. Wesley Jordan, Mat Kelly, Justin F. Brunelle, Laura Vobrak, Michele C. Weigle and Michael L. Nelson, "Mobile Mink: Merging Mobile and Desktop Archived Webs," In *Proceedings of the ACM/IEEE Joint Conference on Digital Libraries (JCDL)*. Knoxville, TN, June 2015, **Best Poster Award**. ([PDF](#), [BibTeX](#))
3. Shahram Mohrehkesh, Aaron Walden, Xianping Wang, Michele C. Weigle and Stephan Olariu, "[Towards Building Asset Registry in Emergency Response](#)," In *Proceedings of the ACM Annual International Workshop on Mission-Oriented Wireless Sensor Networking (MiSeNet)*. Philadelphia, PA, October 2014, **Best Paper Award**. ([PDF](#), [BibTeX](#))
4. Justin Brunelle, Mat Kelly, Hany SalahEldeen, Michele C. Weigle and Michael L. Nelson, "[Not All Mementos Are Created Equal: Measuring the Impact of Missing Resources](#)," In *Proceedings of the ACM/IEEE Joint Conference on Digital Libraries (JCDL)*. London, September 2014, pp. 321-330, **Best Student Paper Award**. ([PDF](#), [BibTeX](#))
5. Stephan Olariu, Shahram Mohrehkesh and Michele C. Weigle, "[Toward Aggregating Time-Discounted Information](#)," In *Proceedings of the ACM Annual International Workshop on Mission-Oriented Wireless Sensor Networking (MiSeNet)*. Miami, FL, October 2013, **Best Paper Award**. ([PDF](#), [BibTeX](#))
6. Yasmin AlNoamany, Ahmed AlSum, Michele C. Weigle and Michael L. Nelson, "[Who and What Links to the Internet Archive](#)," In *Proceedings of the International Conference on Theory and Practice of Digital Libraries (TPDL)*. Valletta, Malta, September 2013, **Best Student Paper Award**. ([arXiv](#), [BibTeX](#))
7. Gongjun Yan, Michele C. Weigle and Stephan Olariu, "[A Novel Parking Service Using Wireless Networks](#)," In *Proceedings of the IEEE International Conference on Service Operations, Logistics and Informatics*. Chicago, July 2009, pp. 406-411, **Best Student Paper Award**. ([PDF](#), [BibTeX](#))

Current Funding

- Michael L. Nelson and Michele C. Weigle, [Increasing the Value of Existing Web Archives](#), National Science Foundation, III 1526700, Sep 2015 - Aug 2018, \$481,780.
- Michael L. Nelson and Michele C. Weigle, [Combining Storytelling with Web Archives](#), Institute of Museum and Library Services (IMLS), National Leadership Grant LG-71-15-0077-15, May 2015 - April 2018, \$468,618.
- Michele C. Weigle and Michael L. Nelson, [Archive What I See Now: Bringing Institutional Web Archiving Tools to the Individual Researcher](#), National Endowment for the Humanities (NEH), Digital Humanities Implementation Grant HK-50181-14, Sep 2014 - Aug 2017, \$342,634. (With [Liza Potts](#) @ Michigan State)
- Michele C. Weigle and Stephan Olariu, [An Architecture for the Emergency Re-tasking of Wireless Sensor Networks \(ALERT\)](#), National Science Foundation, CNS 1116238, Aug 2011 - Jul 2016, \$472,000. (With [Jason Hallstrom](#) @ Clemson)

My full funding list is available in my [CV](#).

Service

- Graduate Program Director, [MS Program](#)
- Faculty Advisor, [ACM-W @ ODU](#)
- Faculty Representative, [NCWIT Academic Alliance](#)

Academic Timeline

- July 2012 - present, Associate Professor, [Computer Science](#), [Old Dominion University](#)
- July 2006 - July 2012, Assistant Professor, Computer Science, Old Dominion University
- July 2004 - July 2006, Assistant Professor, [Computer Science](#), [Clemson University](#)
- August 2002 - June 2004, Visiting Assistant Professor, Computer Science, University

- August 2003 - June 2004, visiting Assistant Professor, Computer Science, University of North Carolina
- August 2003, Ph.D., [Computer Science](#), [University of North Carolina](#)
- May 1998, M.S., Computer Science, University of North Carolina
- May 1996, B.S., [Computer Science](#) ([Honors Program](#)), Northeast Louisiana University (now [UL-Monroe](#))