SHAWN WALKER

School of Social and Behavioral Sciences
Arizona State University, West Campus
4701 W. Thunderbird Rd., MC 3051
Phoenix, AZ 85069

shawn.w@asu.edu | http://shawnw.io | @walkeroh

ACADEMIC POSITIONS

2017   -   Assistant Professor, School of Social and Behavioral Sciences, Arizona
                State University

EDUCATION

2017   Ph.D. Information Science University of Washington
                    Dissertation: "The Complexity of Collecting Digital and Social
                                Media Data in Ephemeral Contexts"
                Advisor: Emma Spiro
2011   M.S.I.S.   University of Washington
2008   M.A. Liberal Studies   Northern Kentucky University
2005   B.A. International Studies Northern Kentucky University

PUBLICATIONS

Peer-Reviewed Journals

Driscoll, K., & **Walker, S**. (2014). Big Data, Big Questionsl Working Within a Black Box:
Transparency in the Collection and Production of Big Twitter Data. International Journal
Of Communication, 8, 20.

Bennett, W. L., Segerberg, A., & **Walker, S**. (2014). Organization in the crowd: peer
production in large-scale networked protests. Information, Communication & Society,
17(2), 232–260. doi:10.1080/1369118X.2013.870379.

Agarwal, S. D., Bennett, W. L., Johnson, C. N., & **Walker, S**. (2014). A Model of Crowd
Enabled Organization: Theory and Methods for Understanding the Role of Twitter in the
Occupy Protests. International Journal of Communication, 8(0), 27.

Nahon, K., Hemsley, J., **Walker, S**. and Hussain, M. (2011). Fifteen Minutes of Fame: The Power of Blogs in the Lifecycle of Viral Political Information. Policy & Internet, 3, 1–28. doi: 10.2202/1944-2866.1108.

Peer-Reviewed Conference Proceedings

Nahon, K., Hemsley, J., Mason, R.M., **Walker, S.**, Eckert, J. (2013). Information Flows in Events of Political Unrest. Note presented at the iConference, Ft. Worth, TX.

Hafedh, C., Nam, T., **Walker, S**., Gil-Garcia, J. R., Mellouli, S., Nahon, K., Pardo, T., Scholl, J. (2012). Understanding Smart Cities: An Integrative Framework. Paper presented at the 45th Hawaii International Conference on System Sciences, Mauai, HI.

Nahon, K., Hemsley, J., **Walker, S**., Hussain, M. (2011). Blogs: Spinning a Web of Virality. Paper presented at the iConference, Seattle, WA.

Ostergren, M., Hemsley, J., Belarde-Lewis, M., **Walker, S**. (2011). A vision for Information Visualization in Information Science. Paper presented at the iConference, Seattle, WA. (Best paper award)

Nahon, K., Hemsley, J., **Walker, S**., Hussain, M. (2010). Fifteen Minutes of Fame: The Place of Blogs in the Life Cycle of Viral Political Information. Presented at Internet, Politics, Policy 2010: An Impact Assessment, Oxford, UK.

Walker, S. (2010). Budget Mapping: Increasing Citizen Understanding of Government via Interactive Design. Paper presented at the 43rd Hawaii International Conference on System Sciences, Kauai, HI.

Dolive, L., **Walker, S**. (2008). New Relationships: The Potential and Reality of E-Government. Paper presented at the Eighth International CISS Millennium Conference, Paris, France.

Peer-Reviewed Conference Extended Abstracts and Presentations

Walker, S. (2015). The Complexity of Collecting Social Media Data in Ephemeral Contexts. Presented at the #FAIL! workshop, Internet Research 16, Phoenix, AZ.

Walker, S. (2013). Occupies, Generators, and Tents: Resource Mobilization. Presented at the International Communication Association, London, UK.

Walker, S. (2012). Social Media Confidential: Addressing SoMe Challenges of Big Data Analysis. Presented at the Internet, Politics, Policy 2012: Big Data, Big Challenges?, Oxford, UK.

Walker, S. (2008). The E-Government Path: A Comparison of the U.S. and U.K. Paper presented at the Annual Meeting of the Western Social Science Association, Denver, CO.

Walker, S. (2006). The Development of Russian Drug Policy. Paper presented at the Annual Meeting of the Southwestern Social Science Association, San Antonio, TX.

Walker, S. (2005). Privacy and Transparency in Homeland Security. Paper presented at the Annual Meeting of the Southwestern Social Science Association, New Orleans, LA.

Walker, S. (2005). Privacy in the European Union. Paper presented at the Annual Meeting of the Southwestern Social Science Association, New Orleans, LA.

Walker, S. (2004). Technology and the Doctrine of Preemption. Paper presented at the Annual Meeting of the Southwestern Social Science Association, Corpus Christi, TX.

Walker, S. (2004). If I Start a Revolution Will I Get Extra Credit? A College Student's Guide to Activism. Presentation at the NKU's Celebration of Student Research and Creativity.

Walker, S. (2003). AIDS in Sub-Saharan Africa. Presentation at the Annual Meeting of the Southwestern Social Science Association, San Antonio, TX.

Walker, S. (2002). The Impossible Task: Public Administration & Terrorism With Respect to Critical Infrastructure Protection. Paper presented at the Annual Meeting of the Southwestern Social Science Association, New Orleans, LA. (best undergraduate paper)

Panels and Roundtables

Walker, S., Hoffmann, A., Thatcher, J. (2015). Teaching Ethics in Big Data and Social Media: Bridging Theory and Practice in the Classroom. Roundtable at Internet Research 16, Phoenix, AZ.

Woodford, D., **Walker, S.**, Pau, A. (2013). "Slicing Big Data: Gambling, Twitter & Time Sensitive Information." Panel presentation at Internet Research 14, Denver, CO.

Hoffmann, A., Thatcher, J., **Walker, S**. (2015). Academic Researchers on Social Data's Critical Frontiers: A Conversation. Invited panel at Big Boulder 2015. Boulder, Colorado.

Refereed Posters

Walker, S., Agarwal, S. (2016). The Missing Link: A Preliminary Typology for Understanding Link Decay in Social Media. Poster presented at the iConference, Philadelphia, PA.

Eckert J., Hemsley, J., **Walker, S.**, Mason, R. M., Nahon, K. (2013). SoMe Tools for Social Media Research. Poster presented at the iConference, Fort Worth, TX.

Eckert J., Hemsley, J., **Walker, S.**, Mason, R. M., Nahon, K. (2012). SoMe Tools for Social Media Research. Poster presented at the Internet, Politics, Policy 2012: Big Data, Big Challenges?, Oxford, UK. (Best Poster Award)

Invited Talks

Walker, S. (2017). Are you collecting social media data? You're doing it wrong. Ignite talk at the 50th Hawaiian International Conference on Systems Science, Waikola Village, HI, January 2017.

Walker, S. (2016). Examining the Authenticity and Reliability of Social Media Datasets. Presentation at GESIS Leibniz Institute for the Social Sciences, Köln, Germany, October, 2016.

Walker, S. (2014). The Missing Link: Link and Image Decay in Social Media. Presentation at Picturing the Social, University of Sheffield, Sheffield, UK, November 2014.

Mason, R. M., **Walker, S.**, J. Eckert, J. Hemsley. (2012). SoMe Lab, Twitter, and Occupy: Purple and Orange Go Well Together. Presentation to the Cyberinstitute at the Clemson University, Clemson, SC, May 3, 2012. (http://cyberinstitute.clemson.edu/content/article/56)

Workshops

Co-organized (with Mary Gray, T.L. Taylor, Sheetal Agarwal, and Robert Mason) "Digital Methods Best Practices," workshop coordinated at the 50th Hawaii International Conference on System Sciences, Waikola Village, HI, January 2017.

Selected Participant, Archives Unleashed 2.0: Web Archive Datathon, Library of Congress, Washington D.C., June 2016.

Co-organized (with Jeff Hemsley, Jason Thatcher, Jim Thatcher, and Robert Mason) "Social Media Research," workshop coordinated at the 49th Hawaii International Conference on System Sciences, Kauai, HI, January 2016.

Co-organized (with Jeff Hemsley, Jason Thatcher, and Robert Mason) "Social Media Research," workshop coordinated at the 48th Hawaii International Conference on System Sciences, Kauai, HI, January 2015.

Co-organized (with Megan Finn and Ryan Shaw) "Changing Publishing Practices in iSchools," workshop coordinated at the iConference, Berlin, Germany, October 2014.

Co-organized (with Joe Eckert) "Social Media Research and Ethics," workshop coordinated at Internet Research 14, Denver, CO, October 2013.

Co-organized (with Joe Eckert, Jeff Hemsley, and Robert Mason) "Research on Social Media," tutorial presented at the 46th Hawaii International Conference on System Sciences, Maui, HI, January 2013.

Selected Participant, Doctoral Colloquium, iConference, Berlin School of Library and Information Science, Humboldt-Universität zu Berlin, Germany, March, 2014.

Selected Participant, Oxford Internet Institute Summer Doctoral Programme, Oxford Internet Institute. University of Oxford, Oxford, UK, July 9-20, 2012.

AWARDS & HONORS

2017	Travel Award, Archives Unleashed Hackathon, London, UK
2016	Travel Award, Archives Unleashed Hackathon, Washington, DC
2012	Best Poster Award, Internet, Politics, Policy 2012: Big Data, Big Challenges?
2011	Best Paper, iConference
2005	Robert E. Ward Award, Outstanding Senior in International Studies, 2004-2005
2003	Honorable Mention, International Studies Association Southwest
2002	Best Undergraduate Research Paper, International Studies Association Southwest

GRANTS & FELLOWSHIPS

Student Participation in Grant Writing

2013	NSF RAPID Award (#1342252, PI: Robert Mason, Kate Starbird) Social Media: Learning from the Boston Marathon Bombing Award: $72,879.00
2013	Microsoft Research unrestricted grant of $24,000 (PI: Robert Mason) 2012 NSF INSPIRE Award (#1243170, PI: Robert Mason) Tools, Models, and Innovation Platforms for Research on Social Media Award: $997,118.00
2012	Amazon Web Services (AWS) in Education research grant award Project on Occupy Wall Street: $5,000
2010	RetroV Virality Research Group, Information School, University of Washington Google Research Award (PI: Karine Nahon) $30,000 Gift

TEACHING EXPERIENCE

Instructor of Record

	Date	Program	Format
Methods in Applied Communication	Fall 2017	MA Communication	On Campus
Introduction to Relational Databases	Fall 2016	BS Informatics	On Campus
	Fall 2014	BS Informatics	On Campus
Social Media Analysis and Data Mining	Winter 2015	MS Information Management	On Campus
Server-Side Web Development	Summer 2016	BS Informatics	On Campus
	Summer 2015	BS Informatics	On Campus
Information Retrieval	Fall 2010	cross-program	On Campus

Teaching Assistant (TA)

	Date	Program	Format
Social Network Analysis	Winter 2017	MS Information Management	On Campus
Research Methods	Spring 2012	MS Information Management	On Campus
Management of Information Organizations	Winter 2012	MS Library Science	On Campus
Input and Interaction	Spring 2011	BS Informatics	On Campus
Intellectual Foundations of Information Science	Winter 2010	BS Informatics	On campus
	Summer 2010	BS Informatics	On campus
Front-End Web Development	Summer 2009	BS Informatics	On Campus
	Winter 2009	BS Informatics	On Campus
Server-Side Web Development	Summer 2009	BS Informatics	On Campus
	Spring 2009	BS Informatics	On Campus
Information Behavior	Fall 2008	MS Library Science	Online

Summer Faculty Institute, Northern Kentucky University, (2003 - 2005)
Introduction to Digital Media, Digital Photography, Visualizing Information (05), Digitizing PowerPoint, Mac OS X Tiger, Electronic Collaboration, DVD Production, Microsoft Office for the Macintosh (03, 04), PowerPoint Design (04), Turbo-Charging PowerPoint (04, 05), Introduction to Mac OS X, Macintosh Email (Microsoft Entourage)

[Digital]LiTERACy: ReTHINKING Education & Training in a Digital World,
Portland State University, July 2002 (http://digitalliteracy.mwg.org/)

RESEARCH EXPERIENCE

Founding Member   Social Media (SoMe) Lab @ UW, http://www.somelab.net/

Member   DataLab, Data Science and Analytics Lab, University of Washington Information School, http://datalab.ischool.uw.edu

| 2012 - 2016 | Research Assistant, Social Media Lab, University of Washington |
| 2012 | Intern, Social Media Collective, Microsoft New England |

PROFESSIONAL EXPERIENCE

Graduate Assistant, Northern Kentucky University — July 2006 - August 2008

Apple Campus Rep, Apple Computer, Inc. — Mar 2002 - August 2008

Web/Data Support, Northern Kentucky University — Sep 2005 - June 2006

Lab Technician, Northern Kentucky University — Jan 2000 - Mar 2002

SERVICE

| 2010-2012 | PhD Student Representative, PhD Committee, University of Washington |
| Reviewing | Conference on Web and Social Media (ICWSM), Communication Theory, iConference, Association of Internet Researchers (AoIR), Hawaii International Conference on System Sciences (HICSS), Computer-Supported Cooperative Work and Social Computing (CSCW), ACM CHI, Social Media and Society International Conference (SMS), Social Informatics (SocInfo) |

MEMBERSHIPS

| 2010-present | Association of Internet Researchers |
| 2002-2006 | Southwestern Social Sciences Association, International Studies |

TECHNICAL SKILLS

Technical Skills

Python, R, Ruby, HTML, CSS, SQL, JavaScript, Java, C, C++, Perl, PHP, Amazon Web Services (AWS), Hyak (HPC)

Software

MS Office (Win/Mac), iWork (Pages/Keynote), OpenOffice, Emacs, vi, PostgreSQL DBMS, MySQL, SQL Server, MongoDB, ElasticSearch, Spark, Hadoop, Apache,

Sendmail, Postfix, bind, WordPress, X-Windows, Dreamweaver, Fireworks, Adobe Photoshop, Adobe Acrobat, iMovie, iPhoto, iDVD, Final Cut Pro, Filemaker Pro