

# SHAWN WALKER

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## EDUCATION

2017 (expected)	Ph.D. Information Science University of Washington
	Dissertation title: "The Complexity of Collecting Digital and Social Media Data in Ephemeral Contexts"
	Co-Advisors: Emma Spiro and Karine Nahon
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 Questions! 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, Maui, 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.** (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 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**

- 2005 Robert E. Ward Award, Outstanding Senior in International Studies, 2004-2005
- 2003 Honorable Mention, International Studies Association Southwest, April 2003
- 2002 Best Undergraduate Research Paper, International Studies Association Southwest, April 2002

## **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
<b>Introduction to Relational Databases</b>	Fall 2016	BS Informatics	On campus
	Fall 2014	BS Informatics	On campus
<b>Social Media Analysis and Data Mining</b>	Winter 2015	MS Information Management	On Campus
<b>Server-Side Web Development</b>	Summer 2016	BS Informatics	On Campus
	Summer 2015	BS Informatics	On Campus
<b>Information Retrieval</b>	Fall 2010	cross-program	On Campus

### Teaching Assistant (TA)

	Date	Program	Format
<b>Research Methods</b>	Spring 2012	MS Information Management	On Campus
<b>Management of Information Organizations</b>	Winter 2012	MS Library Science	On Campus
<b>Input and Interaction</b>	Spring 2011	BS Informatics	On Campus
<b>Intellectual Foundations of Information Science</b>	Winter 2010	BS Informatics	On campus
	Summer 2010	BS Informatics	On campus
<b>Front-End Web Development</b>	Summer 2009	BS Informatics	On Campus
	Winter 2009	BS Informatics	On Campus
<b>Server-Side Web Development</b>	Summer 2009	BS Informatics	On Campus
	Spring 2009	BS Informatics	On Campus
<b>Information Behavior</b>	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 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

### **Software**

MS Office (Win/Mac), iWork (Pages/Keynote), OpenOffice, Emacs, vi, PostgreSQL DBMS, MySQL, SQL Server, MongoDB, ElasticSearch, Apache, Sendmail, Postfix, bind, WordPress, X-Windows, Dreamweaver, Fireworks, Adobe Photoshop, Adobe Acrobat, iMovie, iPhoto, iDVD, Final Cut Pro, Filemaker Pro