

Dr. Laura Osburn

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CURRICULUM VITAE

08/22/2019

EDUCATION

Ph.D., Communication, University of Washington, 2014

Dissertation: *Storytelling and Networking on Tibet: Relationships between Narratives, Framing and Networks within and between Two Oppositional Issue Networks*

Kirsten Foot and Philip Howard, Chairs

M.A., Comparative Religion, University of Washington, 2006

B.A., Liberal Arts, Sarah Lawrence College, 1999

PROFESSIONAL EMPLOYMENT

Research Scientist 3, Center for Education and Research in Construction (CERC), University of Washington, Sept 2016-Present.

Provide research support on government and industry funded CERC research projects. Responsibilities may include one or more of the following: data collection, analysis, project and data management, IRB consultation and development, and writing conference papers, industry reports, and academic publications. This position also involves supporting CERC research initiatives through MS and PhD methods coaching, IRB consultation, and grant proposal development. In this position I also apply for and lead grants as principal investigator

Research and Research Design Consultant, 2013- Present

I have worked in various capacities with clients from the University of Washington's College of Built Environments and Department of Communication, and the University of Minnesota's School of Architecture. My consulting work also included advising researchers on human subject research regulations, designing human subject protocols, and writing and reviewing human subject applications. Current work includes case study development and training based on case studies for General Services Administration.

Postdoctoral Research Associate, Center for Education and Research in Construction (CERC), University of Washington, Mar 2016- Sept 2016.

Provide research support on government and industry funded CERC research projects. Responsibilities may include one or more of the following: data collection, analysis, project and

data management, IRB consultation and development, and writing conference papers, industry reports, and academic publications. This position also involves supporting CERC research initiatives through MS and PhD methods coaching, IRB consultation, and grant proposal development.

Postdoctoral Research Associate, Department of Communication, University of Washington, 2014-Mar 2016.

Position provided through Communication and Technology Organizational Practices (CTOP) Lab, funded by National Science Foundation under Grant No. 1300271, "Reduce Energy Consumption through Integrated Design: How Do Engineers Translate and Teams Synthesize Energy Modeling in Successful High Performance Building Design?" For this project, I have been heavily involved in ethnographic and interview data collection. This work includes conducting over 300 hours of observations of AEC professionals' workplace practices (e.g. building design meetings, site visits, and planning presentations for clients), leading semi-structured interviews with AEC professionals about their collaborative communication practices, and conducting interviews with multiple stakeholders (AEC professionals and owners) to develop twelve high performance hospital case studies on their energy modelling and collaboration practices. My responsibilities also include writing up detailed ethnographic field notes and memos, ongoing analysis of our data, and presentation of analysis to the research team in weekly meetings. Other related responsibilities include project management, IRB protocol consultation and development, and leading and co-authoring conference papers, industry reports, and academic publications.

PUBLICATIONS

Peer-reviewed Journal Articles

Neff, Gina, Anissa Tanweer, Brittany Fiore-Gartland, and **Laura Osburn**. "Critique and Contribute: A Practice-Based Framework for Improving Critical Data Studies and Data Science." *Big Data* 5, no 1 (2017): 85-97.

Busch, Laura. "To 'Come to a Correct Understanding of Buddhism:' A Case Study on Spiritualizing Technology, Religious Authority, and the Boundaries of Orthodoxy and Identity in a Buddhist Web Forum." *New Media and Society* 13, no. 1 (2011): 58-74.

Howard, Phillip, **Laura Busch** and Penelope Sheets. "Comparing Digital Divides: Internet Access and Social Inequality in Canada and the United States." *Canadian Journal of Communication* 35, no. 1 (2010): 109-128.

Howard, Phillip, Ken Anderson, **Laura Busch**, and Dawn Nafus. "Sizing Up Information Societies: Toward a Better Metric for the Cultures of ICT Adoption." *The Information Society: An International Journal* 25, no. 3 (2009): 208-219.

Peer-reviewed Conference Proceedings

- Dossick, Carrie, **Laura Osburn**, and Bitu Astaneh Asl. "Measuring Shared Understanding: Developing Research Methods for Empirical Research on Interdisciplinary Engineering Team Practices." *Proceedings of the 15th Engineering Project Organization Conference*, Stanford, CA, June 5-7, 2017.
- Anderson, Anne, Carrie Sturts Dossick, and **Laura Osburn**. "Lessons Learned from a BIM-Enabled, Multi-Disciplinary Global Team Student Project." *International Proceedings of the 53rd Annual Conference*, Seattle WA, April 5-8, 2017.
- Dossick, Carrie Sturts, Anne Anderson, and **Laura Osburn**. "Curriculum to prepare students for BIM-Enabled Globally Distributed Teamwork." *Academic Interoperability Coalition*, Boston, MA, April 3-4, 2017.
- Dossick, Carrie, Gina Neff, **Laura Osburn** Chris Monson, and Heather Burpee. "Technical Boundary Spanners and Translation: A study of energy modeling for high performance hospitals." Working Paper Series, *Proceedings of the 14th Engineering Project Organization Conference*, Cle Elum, June 28-30, 2016.
- Monson, Christopher, Carrie Sturts Dossick, Gina Neff, **Laura Osburn**, and Heather Burpee. "Finding Connections between Design Processes and Institutional Forces on Integrated AEC Teams for High Performance Energy Design." Working Paper Series, *Proceedings of the Engineering Project Organization Conference*, Cle Elum, June 28-30, 2016.
- Monson, Chris, **Laura Osburn**, Carrie Sturts Dossick, and Gina Neff. "Shifting Logics of Constructability and Design: A study of emerging AEC integrated practices for energy performance," *The Canadian Society for Civil Engineering (CSCE) International Construction Specialty Conference*, Vancouver, WA, June, 2015.

Book Chapters

- Osburn, Laura. "Between Network and Story: Analyzing Hyperlinks and Narratives on Websites about Tibet." In *Buddhism, the Internet, and Digital Media: The Pixel in the Lotus*, edited by Gregory Grieves and Daniel Veidlinger, 40-57. New York: Routledge, 2014.

Applied Research Technical Reports

- Osburn, Laura**, Nancy Alexander, and Renee Cheng. *AIA Guides For Equitable Practice, Chapters 4-6*, American Institute of Architects, <https://www.aia.org/resources/6076046-guides-for-equitable-practice>, 2019.
- Borhani, Alireza, Carrie Sturts Dossick, Hyun Woo Lee, and **Laura Osburn**. *MBEst: A Technical Report on Model-Based Estimating*. Seattle: Center for Education and Research in Construction, 2017.

Dossick, Carrie Sturts, Bitu Astaneh Asl, and **Laura Osburn**. *Record Modeling Industry Practices*. Seattle: Center for Education and Research in Construction, 2017.

Dossick, Carrie Sturts, and **Laura Osburn**. *Building Strong Teams: A Guide to Effective AEC Communication and Collaboration with BIM*. Seattle: Center for Education and Research in Construction, 2017.

Datasets

Howard, Philip, **Laura Busch**, and Spencer Cohen. "ICT Diffusion and Distribution Dataset, 1990–2007." ICPSR Public Dataset #9908 (2008, with 2010 revision)

Public Writing

Busch, Laura. "Iran, Burma, and Global Cybersangha." In *Bearing Witness: Newsletter for Western Socially Engaged Buddhism* (2010). <http://zenpeacemakers.org/2010/05/iranburma-and-global-cybersanga-by-laura-busch/> (accessed 3/25/2016).

TALKS, PAPERS, AND PRESENTATIONS

Invited Talks

Keynote Speaker: "Innovation through Practice: The messy work of making technology useful for architecture, engineering, and construction firms and teams." *BIM Expo (Digital Convention)*, Leibniz Universität Hannover, Hannover, Germany, September 4th-8th, 2017.

Conference Papers and Panels

Busch, Laura. "What's So Special about Tibetan Buddhism? Situating Tibetan Buddhism Narratives within Oppositional Networks about Tibetan Refugees and the Tibet Autonomous Region," *Association of Internet Researchers*, Seattle, WA, October, 2011.

Busch, Laura. "Collaborating and Contesting Buddhist Protests: Networking Buddhist Activists and Debating Religious Narratives During the 2007 Monastic Protests in Burma," *International Communication Association*, Chicago, IL, May 2009.

Busch, Laura. "Saffron Revolution 2.0: Online Buddhist Responses to the 2007 Burma Protests," *Media, Religion and Social Change*, Boulder, CO, June 2008.

Busch, Laura. "Global Cybersangha: Strategies for Constructing Global Buddhist Community in Cyberspace," *National Communication Association*, Chicago, IL, November 2007.

Underwood, Doug and **Laura Busch**. "Religion's Traditional Pathways into the News Pages and the Transformation of the Environment for the Communication of Spiritual Matters in the Modern Media," *Society for the Scientific Study of Religion*, Portland, OR, October 2006.

Busch, Laura. "Cyber-Gohonzons: Functions of an Online Scripture," *Western Conference for the Association of Asian Studies*, Seattle, WA, October 2004.

Campus Talks

Laura Osburn, "Storytelling and Networking on Tibet: Relationships between narratives and networks on Tibet Movement and Chinese propaganda websites," Information Strategies for Societies in Transition: Myanmar Fellows Program, University of Washington, August 2014.

Laura Busch, "Internet Research, Human Subjects, and the IRB," University of Washington, March 2012.

Laura Busch, "Online Buddhist Community, Authority and Identity: A Case Study on How the Process of Spiritualising Technology Impacts Religious Identity and Authority in a Buddhist Web Forum," Center for Information & Society (CIS) Lecture Series, University of Washington, 2009.

Poster Sessions

Dossick, Carrie Sturts, Gina Neff, Heather Burpee, **Laura Osburn**, and Chris Monson, "Talking to Non-Experts about Data: Translation and Synthesizing Modeling Data in Design Teams," *UW Data Science Poster and Networking Session*, University of Washington, 2016.

Dossick, Carrie Sturts, Gina Neff, Heather Burpee, **Laura Osburn**, and Chris Monson, "Talking to Non-Experts about Data: Translation and Synthesizing Modeling Data in Design Teams," *CERC New Frontiers in Construction Conference*, University of Washington, 2016.

AWARDS AND HONORS

2017 Best Paper Award, *Engineering Project Organizations Conference*, for a paper by Carrie Sturts Dossick, Laura Osburn, and Bitu Astaneh Asl, "Measuring Shared Understanding: Developing Research Methods for Empirical Research on Interdisciplinary Engineering Team Practices." Stanford, CA, June 5-7, 2017.

Best Poster Design Award, Digital Media Working Group Poster Session (for "Networking the Mahasangha: Investigation of Online Communication at the Northwest Dharma Association"), 2012.

The Eugene and Marilyn D. Webb Scholarship, 2004 and 2005.

GRANTS

Received

Principal Investigator, *Knowledge Work and Coordination to Improve O&M and IT Collaboration to Keep Our Buildings Smart AND Secure*. Funded by National Science Foundation (Award #1932769). Budget: \$721,104. Award dates 10/1/2019-9/30/2022.

Principal Investigator, *Integrated Project Delivery (IPD) Practitioners Guide*. Funded by Charles Pankow Foundation. Budget: \$150,000. Award Dates: 2/1/2017-1/1/2018.

The Graduate School, University of Washington, grant award \$127 for organization and development of conference, *Communicating the Sacred: Religion at the Academic Crossroads*, 2008.

Learning for Leadership Council, University of Washington, grant award, \$127 for organization and development of conference, *Communicating the Sacred: Towards an Interdisciplinary Dialogue on Religion*, 2007.

Recommended

Principal Investigator, *Knowledge Work and Coordination to Improve O&M and IT Collaboration to Keep Our Buildings Smart AND Secure*. The National Science Foundation. Budget: \$721.104. Award dates forthcoming, anticipated October 2019-2022.

Applied

Co-Principal Investigator, *Collaborative Research: Micro and Meso Convergence by Overcoming Conflicting Imperatives and Information System Mismatches in Interdisciplinary Science and AEC Teams*. Submitted to National Science Foundation, 2019.

Principal Investigator, *Persuasive Power in Data Visualization Practices: Understanding the Nuanced Dynamics of Decision-Making in Building Design and Construction Teams*. Submitted to National Science Foundation, 2018.

Co-Principal Investigator, *Technical Decision-Making in Participatory Infrastructure Design*, Submitted to National Science Foundation, 2017.

Co-Principal Investigator, *Towards a Holistic View of Collaborative Information Sharing: How Do Social, Organizational, and Communicative Practices Shape Cybersecurity Information Sharing?* Submitted to National Science Foundation, 2017.

EMPLOYMENT: RESEARCH

Research Assistant, Nursing Program, University of Washington, Autumn 2010

Assisted Cynthia Perry, FCN and Cathryn Booth-LaForce, Ph.D., FAPS, RYT for “Sensor-based Technology: Measuring Adherence to Home Yoga Practice.” Duties included testing the sensor system, and liaison to our research partner at Intel Labs.

Research Intern, Institute on Religion and Public Policy, Summer 2009

Intern for a Washington, D.C. non-profit organization. Designed survey and collected archival data on faith-based HIV/AIDS programs in Vietnam.

Research Assistant, Department of Communication, University of Washington, 2007-2010 Research

Assistant for Kirsten Foot (University of Washington), Spring 2009

Research Assistant for Leilani Nishimi (University of Washington), Autumn 2008

Research Assistant for Doug Underwood (University of Washington), Autumn 2008

Research Assistant for Philip Howard (University of Washington), “World Information Access Project,” Winter-Autumn 2008

Research Assistant for Mitsuharu Watanabe (University of Washington), “Dialogue and Co-editing on the Internet Regarding Value Systems,” Spring 2007-2008

EMPLOYMENT: TEACHING

Instructor

Ritsumeikan Computers and Society, Educational Outreach at University of Washington, Summer 2010

Advanced Public Speaking, Winter 2010

Basic Concepts of New Media, Winter 2009

Introduction to World Traditions: Eastern Religions, Summer 2007 and Summer-Autumn 2005

Teaching Assistant

Social Scientific Approaches to Communication Research, Winter 2011

The Business of Media in the Digital Age, Spring 2010

Introduction to Public Speaking, Autumn 2009, Autumn 2008, and Spring 2007

Introduction to Communication II, Winter 2007

Basic Concepts of New Media, Autumn 2006

Introduction to World Religions: Eastern Traditions, Winter 2006 and Winter 2005

EMPLOYMENT: OTHER

IRB Consultant, self-employed, 2013-2015

Activities as a consultant include writing and pre-reviewing minimal risk human subjects applications, including assisting in the development of consent and recruitment protocols and materials.

Minimal Risk Administrator, University of Washington, Autumn 2011- Autumn 2012

As a Human Subject Division's Minimal Risk Administrator, I pre-reviewed and reviewed minimal risk human subject applications, including new applications, modifications, research determinations, and human subject determinations for a variety of departments in the bio-medical, social science, and humanities disciplines.

SERVICE

Technical Chair, New Frontiers in Construction Conference at the Center for Education and Research in Construction, Autumn 2016- Winter 2017.

Peer Reviewer, Engineering Project Organizations Conference, 2016

Member of "Interdisciplinary Committee" at Department of Communication, 2008

Lead organizer for conferences, *Communicating the Sacred: Religion at the Academic Crossroads* and *Communicating the Sacred: Towards an Interdisciplinary Dialogue on Religion*, 2006-2008

Group leader for workshops on media, race and stereotypes at Seattle Teen Summit and Cleveland High School entitled, "Talking Back: Race in Media and What You Can Do About It," Spring 2008