

# LAURA OSBURN

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I am a qualitative social scientist with over 10 years of work experience in academic and applied research. I have extensive expertise in qualitative methods and have worked primarily on teams that include academic and industry collaborators. I research topics related to organizations, culture, work practices, and new technologies. Specialty topics include team building and collaboration, data and design practices, cybersecurity in the built environment, and narratives and persuasion.

## SKILLS

- Ethnographic field work
- Semi-structured interviews
- Photo elicitation interviews
- Case Studies
- Focus Groups
- Surveys
- Narrative analysis
- Content analysis
- Hyperlink Network Analysis
- Project management
- Data management
- Grant development
- Writing for publication
- Public speaking
- Citation management

## EXPERIENCE

**OCTOBER 2020 – PRESENT**

### **SENIOR RESEARCH SCIENTIST, UNIVERSITY OF WASHINGTON**

Lead and assist on academic and applied research on cybersecurity in the built environment; equity, diversity, and inclusion in architecture; and designing for construction safety. Work funded by the National Science Foundation (NSF), the American Institute of Architects (AIA), and the Washington State Department of Labor & Industries. Primary responsibilities include:

- Lead and assist in grant writing development
- Design and carry out all phases of qualitative research.
- Project management, data management, and team management, including supervising and mentoring graduate and undergraduate students
- Publish and present research via conferences, industry reports, books, and journals.
- Identify and pursue research funding opportunities at private and public organizations.

#### **KEY ACCOMPLISHMENTS:**

- Continuing as Lead Principal Investigator (PI) on \$721,104, three-year NSF grant (#1932769) and author of two white papers created for an industry audience on IoT in the built environment.
- Received \$32,000 supplemental funding for grant (#1932769) through the NSF's Research Experience for Undergrads award. Awards have allowed the research team to hire and mentor four undergraduate students.
- Co-author and project manager of the revised Chapters 0-9 of *AIA's Guides for Equitable Practice* (2020 version), and on supplemental AIA guides, *Justice in the Built Environment* (2022), and *Equity in Architectural Education* (forthcoming).
- Co-creator and co-leader of the Cybersecurity in the Built Environment (Cyber-BE) lab.

**SEPTEMBER 2016 – SEPTEMBER 2020**

### **RESEARCH SCIENTIST 3, UNIVERSITY OF WASHINGTON**

Conducted and assisted on academic and applied research on architecture/engineering/construction (AEC) data practices, implementation of new technologies, team communication,

and Integrated Project Delivery (IPD). Work funded by the NSF, General Services Administration (GSA), U.S. Army Corps of Engineers, University of Washington, Sound Transit, Skanska, the Charles Pankow Foundation, and the AIA. Primary responsibilities included:

- Co-lead the [Communication, Organization, and Technology Practices \(CTOP\) lab](#).
- Design and carry out all phases of qualitative research.
- Manage research team, project logistics, and project data.
- Publish and present research via conferences, industry reports, books, and journals.
- Identify and pursue research funding opportunities at private and public organizations.

**KEY ACCOMPLISHMENTS:**

- Lead Principal Investigator (PI) on \$721,104, three-year NSF grant (#1932769) on how IT and facilities professionals collaborate on IoT security.
- Co-author of Chapters 4-9 of [AIA's Guides for Equitable Practice](#) (2019).
- Principal Investigator and co-editor for book, [Integrated Project Delivery: An Action Guide for Leaders](#) (2018).
- Keynote Speaker, BIM Expo/Digital Convention, Leibniz Universität Hannover, Germany, September 4th-8th, 2017.

**MARCH 2014 – SEPTEMBER 2016**

**POSTDOCTORAL RESEARCH ASSOCIATE, UNIVERSITY OF WASHINGTON**

National Science Foundation funded project, "Reduce Energy Consumption through Integrated Design." Project used ethnography, interviews, and case studies to research energy modeling data practices on collaborative design teams.

**2013 – 2021**

**RESEARCH CONSULTANT, OSBURN GROUP**

Owner, researcher, and project manager for research consultancy.

- Selected for \$107,480 General Services Administration contract to produce building project case studies and training for GSA's Learning from Our Legacy program.
- Survey consultant for GSA report, [Integration at Its Finest: Success in high-performance building design and project delivery in the federal sector](#) (2015).

**SEPTEMBER 2011- SEPTEMBER 2012**

**MINIMAL RISK ADMINISTRATOR, UNIVERSITY OF WASHINGTON**

**JUNE 2009- AUGUST 2009**

**RESEARCH INTERN, INSTITUTE ON RELIGION AND PUBLIC POLICY**

**2007- 2010**

**RESEARCH ASSISTANT, UNIVERSITY OF WASHINGTON**

**EDUCATION**

**JUNE 2014**

**PHD, COMMUNICATION, UNIVERSITY OF WASHINGTON**

**JUNE 2006**

**MA, COMPARATIVE RELIGION, UNIVERSITY OF WASHINGTON**

**JUNE 1999**

**BA, SARAH LAWRENCE COLLEGE**

## SELECTED ACADEMIC AND INDUSTRY WORKS

### WHITE PAPERS AND REPORTS

*Internet Of Things and Cybersecurity Risk: Core Issues for The Building Industry.*

**Laura Osburn**, Jessica Beyer, Carrie Sturts Dossick, and Chuck Benson.

Seattle, WA: University of Washington, February 2021.

<https://cyber.be.uw.edu/2021/02/24/part-i-iot-and-cybersecurity-risk/>.

*IoT Policy Landscape: Implications for Managing Security in The Built Environment.*

Jessica Beyer, **Laura Osburn**, Chuck Benson, and Carrie Sturts Dossick, and Madison Snider.

Seattle, WA: University of Washington, February 2021.

<https://Cyber.Be.Uw.Edu/2021/02/24/Part-li-lot-Policy-Landscape/>.

*Integration At Its Finest: Success in High-Performance Building Design And Project Delivery In The Federal Sector*

Renée Cheng, **Laura Osburn**, and Carrie Sturts Dossick. Washington D.C.: General Services Administration, April 14, 2015.

<https://Www.Gsa.Gov/Cdnstatic/Integration%20at%20its%20finest%20vol2-508.Pdf>.

### INDUSTRY GUIDES

*Justice In the Built Environment*

Renée Cheng, Nancy Alexander, Cozy Hannula, **Laura Osburn**, and Karen Williams.

American Institute of Architects, 2021.

*AIA Guides for Equitable Practice*, Chapters 4-9

Renée Cheng, Nancy Alexander, and **Laura Osburn**. American Institute of Architects, 2019 and 2020 (2<sup>nd</sup> edition). <https://www.aia.org/resources/6076046-guides-for-equitablepractice>.

*Prevention Through Design for MEP Worker Safety*

Hyun Woo “Chris” Lee, **Laura Osburn**, John Gambatese, Jamie Stuart, and Kyle Foley.

Seattle, WA: Washington State Department of Labor and Industries and University of Washington, 2021. <https://cm.be.uw.edu/news/prevention-through-design-ptd/>.

### JOURNAL ARTICLES AND CONFERENCE PROCEEDINGS

“Narrative Infrastructure in Decision-Making: How Teams Use Stories And Sensemaking For Strategy.”

**Laura Osburn**; Gina Neff, Carrie Sturts Dossick, Chris Monson, and Heather Burpee.

*Proceedings of the 17<sup>th</sup> Annual Engineering Project Organization Conference*, Vail, CO, 2019.

[https://img1.wsimg.com/blobby/go/19ec593e-0c9c-4cf8-a445-b774ad9dacfa/downloads/Osburn\\_Neff\\_Dossick\\_Monson\\_Burpee.pdf?ver=1606349774995](https://img1.wsimg.com/blobby/go/19ec593e-0c9c-4cf8-a445-b774ad9dacfa/downloads/Osburn_Neff_Dossick_Monson_Burpee.pdf?ver=1606349774995).

“Process Innovation Through Practice: The Messy Work Of Making Technology Useful for Architecture, Engineering And Construction Teams.”

Carrie Sturts Dossick, **Laura Osburn**, and Gina Neff. *Engineering, Construction and Architectural Management*, February 28, 2019. <https://doi.org/10.1108/ECAM-12-2017-0272>.

“Critique and Contribute: A Practice-Based Framework for Improving Critical Data Studies and Data Science.”

Gina Neff, Anissa Tanweer, Brittany Fiore-Gartland, and **Laura Osburn**. *Big Data* 5, no. 2 (June 2017): 85–97. <https://pubmed.ncbi.nlm.nih.gov/28632445/>.