

**Lindsay Nicole Poirier**  
**Curriculum Vitae**  
**August 2019**

**EDUCATION**

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- 2018      Ph.D. in Science and Technology Studies (STS)  
Rensselaer Polytechnic Institute (RPI), Troy, NY  
*Dissertation Title: Knowledge Representation in Scruffy Worlds: An Ethnography of Semiotic Infrastructure Design*  
Committee: Kim Fortun (chair, STS), Mike Fortun (STS), Dean Nieuwsma (STS), and James Hendler (Computer Science)
- 2015      M.S. in Science and Technology Studies  
RPI, Troy, NY
- 2012      B.S. Dual major in Information Technology & Web Science and Science, Technology, & Society  
*Magna Cum Laude*  
RPI, Troy, NY

**ACADEMIC APPOINTMENTS**

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- 2019      Assistant Professor, Science and Technology Studies  
University of California, Davis

**PUBLICATIONS AND SCHOLARLY PRODUCTS**

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**Digital Humanities Distribution**

- 2016      **Lindsay Poirier**, Kim Fortun, Mike Fortun, Brian Callahan, Renato Gomes, Dominic DiFranzo, Luis Felipe Murillo. Platform for Experimental Collaborative Ethnography (PECE). *Distribution now supports over 500 users in four international research projects - The Asthma Files, the Disaster-STS-Network, STS Infrastructures, and Center for Ethnography*

**Edited Volumes**

- 2019      Jerome Crowder, Mike Fortun, Rachel Besara, and **Lindsay Poirier**. *Anthropological Data in the Digital Age: New Possibilities, New Challenges*. Palgrave.

**Peer-Reviewed Journal Articles**

- In review*      Lindsay Poirier. "Data(-)based Ambivalence: Public Dispositions(-) regarding NYC311 Data Infrastructure." *Cultural Studies*.

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- In review* Kim Fortun, Brian Callahan, Brandon Costelloe-Kuehn, Brad Fidler, Alison Kenner, Aalok Khandekar, Alli Morgan, **Lindsay Poirier**, Mike Fortun. "Hosting the Platform for Experimental Collaborative Ethnography." *American Anthropologist*.
- 2019 Lindsay Poirier. "Classification as Catachresis: Double Binds of Representing Difference with Semiotic Infrastructure." *Canadian Journal of Communication*. 44, 3. 357-367. doi: 10.22230/cjc.2019v44n3a3455
- 2017 Lindsay Poirier. "Devious Design: Digital Infrastructure Challenges of Experimental Ethnography." *Design Issues*, 33, 7. 70-83. Spring. doi: 10.1162/DESI\_a\_00440
- 2016 Kim Fortun, **Lindsay Poirier**, Alli Morgan, Brandon Costelloe-Keuhn, and Mike Fortun. "Pushback: Critical Data Designers and Pollution Politics." *Big Data and Society*, 3, 2. September. doi:10.1177/2053951716668903

### Book Chapters

- In press* Mike Fortun, **Lindsay Poirier**, Alli Morgan, Brian Callahan, and Kim Fortun. "What's so funny 'bout PECE, TAF, and data sharing?" In *Collaboration in Anthropology*. eds. George Marcus and Dominic Boyer. Cornell University Press.
- 2019 **Lindsay Poirier**, Kim Fortun, Brandon Costelloe-Kuehn, and Mike Fortun. "Metadata, Data Infrastructure, and the Data Ideologies of Cultural Anthropology." In *Anthropological Data in the Digital Age: New Possibilities, New Challenges*. eds. Jerome Crowder, Mike Fortun, Rachel Besara, and Lindsay Poirier. Palgrave.
- 2018 Lindsay Poirier. "Making the Web Meaningful: A History of Web Semantics." In *Sage Handbook of Web History*. eds. Niels Brügger and Ian Milligan. SAGE Publications.
- 2014 **Lindsay Poirier**, Ron Eglash and Bill Babbitt. "Ghana: Adinkra Symbols." In *Math is a Verb*. Jim Barta, Ron Eglash, and Cathy Barkley (eds.) National Council of Teachers of Mathematics.

### Peer-Reviewed Conference Proceedings

- 2017 Lindsay Poirier. "Thought Styles and Design Logics of Web Semantics: An Ethnographic Study of Web Architecture." *Web Sci '17*. Troy, NY. June.

### Essays

- In review* Lindsay Poirier and **Brandon Costelloe-Kuehn**. "Data Sharing at Scale: A Heuristic for Affirming Data Cultures." *Data Science Journal*.
- 2017 Laura Rabinow and **Lindsay Poirier**. "Mapping the Organized Ignorance of Data about Environmental Health Crises." *XRDS: Crossroads, The ACM Magazine for Students*, 23, 3. 16-19. April. doi: 10.1145/3055147 (peer-reviewed)
- 2014 Lindsay Poirier, Dominic DiFranzo, Kristine Gloria. "Light Structure in the Platform for Experimental Collaborative Ethnography." *Web Sci '14*. Bloomington, IN. June.

### Research Reports

- 2018 **Lindsay Poirier**, Noel Hidalgo, and Emily Goldman. "Data Design Challenges and Opportunities for New York City Community Boards." *BetaNYC*. October. <https://beta.nyc/publications/data-design-challenges-and-opportunities-for-nyc-community-boards/> (peer-reviewed)

- 2018 Toly Rinberg, Maya Anjur-Dietrich, Marcy Beck, Andrew Bergman, Justin Derry, Lindsey Dillon, Gretchen Gehrke, Rebecca Lave, Chris Sellers, Nick Shapiro, Anastasia Aizman, Dan Allan, Madelaine Britt, Raymond Cha, Janak Chadha, Morgan Currie, Sara Johns, Abby Klionsky, Stephanie Knutson, Katherine Kulik, Aaron Lemelin, Kevin Nguyen, Eric Nost, Kendra Ouellette, **Lindsay Poirier**, Sara Rubinow, Justin Schell, Lizz Ultee, Julia Upfal, Tyler Wedrosky, Jacob Wylie, EDGI. “Changing the Digital Climate: How Climate Change Web Content is Being Censored Under the Trump Administration.” EDGI. January. <https://envirodatagov.org/publication/changing-digital-climate>

### Blog Posts and Op-Eds

- 2018 Lindsay Poirier. “Term Limits Heighten Need for Community Boards to Become Data Literate.” *Gotham Gazette*. November. <http://www.gothamgazette.com/opinion/8121-term-limits-heighten-need-for-community-boards-to-become-data-literate>
- 2016 Lindsay Poirier. “IDEA – Building Digital Infrastructure to Make Sense of Environmental Health.” *The Approach*. <http://approach.rpi.edu/2016/05/05/idea-building-a-digital-infrastructure-to-understand-environmental-health/>
- 2015 Lindsay Poirier. “The Stickiness of Difference in the Semantic Web.” *Cyborgology*. <https://thesocietypages.org/cyborgology/2015/07/20/the-stickiness-of-difference-in-the-semantic-web/>

### HONORS AND AWARDS

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- 2016 Rensselaer School of Humanities, Arts, and Social Sciences (HASS) Fellowship
- 2015 STS Comprehensive Exam, passed with distinction
- 2013 Rensselaer Fellowship (*\$73,000 award for first year of graduate study*)
- 2012 Rensselaer Founder’s Award for Excellence (*“Rensselaer’s highest student award”*)
- 2011 Gamma Nu Eta Honor Society
- 2011 Citation for Excellence, Web Science
- 2009 Rensselaer Medalist (*\$60,000 merit scholarship for “outstanding math and science students”*)

### GRANTS AND FELLOWSHIPS

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- 2016-2017 “Environmental Justice, Undocumented: A Cultural Analysis of Information Infrastructures in the Era of Big Data.” RPI School of Humanities, Arts, and Social Sciences. **PI: Lindsay Poirier**. \$75,000. *Supported dissertation research.*
- 2016-2017 “STEM + STS: Expanding and Showcasing Students’ Analytic and Collaboration Capacities.” Rensselaer’s Teaching and Learning Collaboratory. **PI: Mike Fortun, Kim Fortun, and Jim Hendler, Technical Project Lead: Lindsay Poirier**, \$20,000. *Supported course content design and digital infrastructure development to expand the use of PECE in several STS courses.*

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- 2016-2017 “Evaluating Research Data Infrastructure for the Empirical Humanities.” Research Data Alliance (RDA). **PI: Lindsay Poirier**, \$5000+travel to *DH2016 and RDA Plenary 8 and 9*. Supported an ethnographic study of digital humanities communities, resulting in a report to the RDA Technical Advisory Board and 2 plenary posters
- 2015-2016 “Semantic Digital Infrastructures for the Empirical Humanities: Enabling Engagement with Complex Global Challenges.” Rensselaer Office of Research, Knowledge and Innovation Program. PI: Mike Fortun and Kim Fortun (Science and Technology Studies)/Deborah McGuinness (Computer Science), **Research Assistant: Lindsay Poirier**. \$100,000. Supported the design and implementation of PECE information architecture and a workshop on semantic infrastructure in digital humanities research, leading to a major NSF-funded research grant.

## INVITED TALKS AND PARTICIPATION

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### Invited Talks

- 2019 “Critiquing (t)reason in Knowledge Representation: Historical Perspectives on Semantic Data Infrastructure.” *Data Then and Now Seminar*, University of Washington, Seattle, WA. April.
- 2019 “Data Analytics in the Real World: Opportunities, Challenges, and Risks.” With Diane Bryant. *Future of Work Series*, UC Davis, Davis, CA, April.
- 2017 “Double Binds of Information Sharing in the Human Services.” Drexel University, Philadelphia, PA. October.
- 2015 “Platform for Experimental Collaborative Ethnography.” With Mike Fortun and Dominic DiFranzo. *Building Digital Infrastructure, Empowering Citizen Scientists*, Drexel University, Philadelphia, PA. April.

### Invited Workshop Participation (travel paid by organizer)

- 2019 International Network of Networks: Data Experts Workshop, Philadelphia, PA. April.
- 2016 Collaboration as Big Data Ethics Workshop, Arlington, VA. September.
- 2015 RDA Digital Humanities Workshop, Johns Hopkins University, Baltimore, MD. May.

### Invited Testimony

- 2018 New York City Council Technology Committee Open Data Hearing and Review of Int. No. 1137-2018. New York City, NY. October.

## CONFERENCE PARTICIPATION

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### Conference Presentations

- 2019 “Enactments of Semantics: How Beliefs about Language Shape Data Infrastructure.” Delivered at *45 Annual Meeting*. New Orleans, LA. September.
- 2018 “Helping District Offices Streamline License Reviews with SLAM.” Delivered at *Spatial Data Science Conference*. Brooklyn, NY. October.
- 2017 “Translation Work in the Archives: The Semiotics of Environmental Health Data Integration.” Delivered at *AAA Annual Meetings*. Washington DC. November.

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- 2017 “Data Management in the Platform for Experimental Collaborative Ethnography.” Delivered at *SHOT Annual Meeting*. Philadelphia, PA. October.
- 2017 “Designing At and Against the Limits of Information Infrastructure.” Delivered at *4S Annual Meeting*. Boston, MA. August.
- 2017 “Experimental Systems for Data Justice: an Examination of Semantic Web Data Infrastructure.” Delivered at *Data Power Conference*. Ottawa, Canada. May.
- 2016 “Data Friction in Air Quality Monitoring.” Delivered at *Dupont Policy Summit*. Washington DC. December.
- 2016 “Tricky Collaboration: Delimiting a Middle Ontology for Schema.org.” Delivered at *New England Science and Technology Studies Graduate Conference*, Troy, NY. March.
- 2016 “OWL:sameAs and the Politics of Identity in Linked Data.” Delivered at *Capital District Feminist Studies Conference*, Troy, NY. January.
- 2015 “Reading Invisible Infrastructures, Revealing Ethnography’s Invisible Work.” Delivered at *AAA Annual Meeting*, Denver, CO. November.
- 2015 “Chess and the Epistemology of Social Computing.” Delivered at *4S Annual Meeting*, Denver, CO. November.
- 2015 “Schema.org as Hegemony: The Politics of Linked Data Formats.” Delivered at *Data Power Conference*, Sheffield, United Kingdom. June.
- 2015 “Stepping Through the Looking Glass: Displacing Alice in Chess and Web Science.” Delivered at *Capital District Feminist Studies Conference*, Albany, NY. January.
- 2014 “Informating the Social Sciences: Thought Styles, Standpoints, and Politics.” Delivered at *Changing Worlds Conference*, Vienna, Austria. November.
- 2014 “Light Structure in the Platform for Experimental Collaborative Ethnography.” Delivered at *WebSci '14*, Bloomington, IN. June.

### **Poster Presentations**

- 2017 “A Proposal for an Empirical Humanities and Creative Social Science Research Infrastructure Initiative.” Delivered at *Research Data Alliance Plenary 9*. Barcelona, Spain. April.
- 2016 “Scales of Data Sharing Challenges in the Digital Humanities.” Delivered at *Research Data Alliance Plenary 8*. Denver, CO. September.
- 2016 “A Cultural Analysis of Semantic Web Architecture: Legacies, Limits, and Politics.” Delivered at *Web Science Summer School*. Koblenz, Germany. June.
- 2015 “Cyberinfrastructure for STS.” With Dominic DiFranzo, Luis Felipe Murillo, Brandon Costelloe-Kuehn, Alli Morgan, Alison Kenner, Sharon Traweek, Pedro de la Torre, Kim Fortun, Mike Fortun. Delivered at *4S Annual Meeting* as a part of the Making and Doing Program, Denver, CO. November.

### **Session and Workshop Organizing**

- 2019 Session co-chair with Brandon Costelloe-Kuehn, “Working Group Session: Metadata for the Empirical Humanities” at *Research Data Alliance Plenary 13*. Philadelphia, PA, April.
- 2018 Session co-chair with Mike Fortun, “Working Group Session: Metadata for the Empirical Humanities” at *Research Data Alliance Plenary 12*. Gaborone, Botswana. November.
- 2018 Session co-chair with Brad Fidler, “Research Infrastructures, Digital Tools and New Directions in STS Research” at *4S Annual Meeting*. Virtual. August.

- 2018 Session co-chair with Brandon Costelloe-Keuhn, “Working Group Session: Metadata for the Empirical Humanities” at *Research Data Alliance Plenary 11*. Berlin, Germany. March.
- 2017 Session co-chair with Brandon Costelloe-Keuhn, “Working Group Session: Metadata for the Empirical Humanities” at *Research Data Alliance Plenary 10*. Montreal, Canada. September.
- 2017 Session chair. “Short Session 1” at *WebSci 2017*. Troy, NY. June.
- 2017 Session co-chair with Brandon Costelloe-Keuhn, “Joint meeting of the Working Group for Empirical Humanities Metadata and the Working Group for Metadata Standards Catalog” at *Research Data Alliance Plenary 9*. Barcelona, Spain. April.
- 2016 Session chair, “Evaluating Barriers to Digital Humanities Adoption of Data Infrastructure” at *Research Data Alliance Plenary 8*. Denver, CO. September.
- 2016 Moderator and session co-organizer with Kim Fortun, Mike Fortun, and Jason Baird Jackson, “Joint meeting of the Interest Group for Digital Practices in History and Ethnography and Working Group for Empirical Humanities Metadata” at *Research Data Alliance Plenary 8*. Denver, CO. September.
- 2016 Workshop co-organizer with Bridget Almas, Kim Fortun, Natalie Harrower, and Eveline Waldl-Vogt, “RDA/ADHO Workshop: Evaluating Research Data Infrastructure Components and Engaging in their Development” at *DH2016*, Krakow, Poland. July.
- 2015 Session co-organizer, “Data Cultures, Practices, and Ethics” at *Research Data Alliance Plenary 6*. Paris, France. September.
- 2015 Workshop co-organizer with Elzabi Rimington and Katharina Kinder-Kurlanda, “Divides: Inclusion and Representation on the Web” at *Web Sci '15*, Oxford University, Oxford, UK. June.

## PROJECTS

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- 2013-2019 Lead Platform Architect, Platform for Experimental Collaborative Ethnography (PECE)
- 2019 Faculty Lead, Civic Data Design Cluster, UC Davis DataLab
- 2019 Co-convener with Emily Merchant and Pamela Reynolds, Data Feminism Working Group, UC Davis Feminist Research Institute
- 2018 Ethnographer and Lab Manager, NYC Community Board Data Workflows, BetaNYC
- 2018 Lead Developer, Boundaries Map (<https://boundaries.beta.nyc/>), SLA Mapper (<https://slam.beta.nyc/>), and After-Hours Variance Dashboard (<https://betanyc.github.io/AHV/>), BetaNYC
- 2017 Website Monitoring Analyst, Web Monitoring Team, Environmental Data Governance Initiative

## UNIVERSITY TEACHING

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### STS, University of California Davis

- 2019 STS 115: Data Sense and Exploration (Spring Quarter)  
STS 101: Introduction to Data Studies (Winter and Fall Quarter)  
STS 001: Introduction to Science and Technology Studies (Fall Quarter)

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### **STS, Rensselaer Polytechnic Institute**

- 2016 STSS 4962: Critical Data Mapping (Fall Semester – instructor)  
IHSS 02: Information Technology and Society (Spring Semester – co-instructor)
- 2014 STSS 1110/STSH 1110: Introduction to Science and Technology Studies (Fall Semester – teaching assistant)

### **PROFESSIONAL SERVICE**

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#### **Conference and Workshop Organizing**

- 2017 Assistant Chair, *Web Science Conference 2017*, Troy, NY.
- 2013 Coordinator, Disaster Science and Technology Studies (DSTS): Advancing an Emerging Subfield: National Science Foundation, Arlington, VA.

#### **Scholarly Infrastructure and Journal Support**

- 2017-pres. Co-chair, Working Group for Metadata in the Empirical Humanities, Research Data Alliance
- 2019-pres. Co-chair, Interest Group for Digital Practices in History and Ethnography, Research Data Alliance
- 2012-2015 Contributing Editor, *Journal of Cultural Anthropology*, Society of Cultural Anthropology

#### **Ad Hoc Book and Journal Reviewing**

MIT Press; *Big Data and Society*; *Information, Communication, and Society*

### **UNIVERSITY AND DEPARTMENT SERVICE**

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- 2019 Data Science Major Committee, UC Davis
- 2019 Data Studies Minor Committee, UC Davis STS Department
- 2016-2017 RPI STS Department Graduate Student Representative
- 2016-2017 Task Force to update *Rensselaer Policy on Electronic Citizenship*
- 2013-2017 RPI STS K-12 EcoEd Program Registrar
- 2014-2016 Undergraduate Research Advisor
- 2013-2016 RPI STS Department Social Media Coordinator
- 2013 RPI Earth Week Organizer