

## **Heidi Biggs, HCI/d Research & Design**

**Assistant Professor**, Georgia Institute of Technology School of Literature, Media, and Communication; *Atlanta, GA*

### **Education**

**PhD in Human Computer Interaction** (Graduated 2023)

The Pennsylvania State University, College of Information Sciences and Technology (IST)

**Master of Design in Interaction Design** (Graduated 2019)

University of Washington, School of Art + Art History + Design

**Bachelor of Arts in English Literature** (Graduated 2007)

University of Washington, College of Arts and Sciences

### **Refereed Publications on Local Impacts of Tech and Data**

**Biggs, Heidi.** "Stitching Together Body, Land, and Data through Embroidered Geographies" *Proceedings of the Twentieth International Conference on Tangible, Embedded, and Embodied Interaction*. 2026.

**Biggs, Heidi.** "Fabulating Bog Girl: Queer Entanglements of Body and Land Histories in More-than-Human AutoFiction and Design" *Proceedings of the CHI Conference on Human Factors in Computing Systems*. 2025. (Honorable mention top 5% of papers)

**Biggs, Heidi.** "Soft Sound Geographies: Textile Maps of Land Body Data Entanglements." *Proceedings of the Nineteenth International Conference on Tangible, Embedded, and Embodied Interaction*. 2025.

**Biggs, Heidi,** and Shaowen Bardzell. "Thrown from Normative Ground: Exploring the Potential of Disorientation as a Critical Methodological Strategy in HCI." *Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems*. 2024.

**Biggs, H.,** Suttles, S., Bardzell, S. Redlining Maps and Terrains of Sustainability: Interdisciplinary Mapping of Racialized Redlining to Present-Day Sustainability Agendas in HCI *Proceedings of the 2021 Conference on Human Factors in Computing Systems (CHI 2023)*. ACM. (acceptance rate: 28.4%)

**Biggs, H.,** Bardzell, J., Bardzell, S. Watching Myself Watching Birds: Abjection, Ecological Thinking, and Posthuman Design. *Proceedings of the 2021 Conference on Human Factors in Computing Systems (CHI 2021)*. ACM. (acceptance rate: 26.3%)

**Biggs, H.,** Desjardins, A. High Water Pants: Designing Embodied Environmental Speculation. *Proceedings of the 2020 Conference on Human Factors in Computing Systems (CHI 2020)*. ACM. (acceptance rate 24%)

### **Refereed Publications on Artificial Intelligence and Critical Data Studies**

Wieczorek, Catherine, **Biggs, H.,** Payyapilly Thiruvengathan, K., Bardzell, S. "Architecting Utopias: How AI in Healthcare Envisions Societal Ideals and Human Flourishing" *Proceedings of the CHI Conference on Human Factors in Computing Systems*. 2025.

Benjamin, J., **Biggs, H.,** Berger, A., Rukanskaite, J., Heidt, M., Merrill, M., Pierce, J., Lindley, J. The Entoptic Field Camera as Metaphor-Driven Research-through-Design with AI Technologies *Proceedings of the 2021 Conference on Human Factors in Computing Systems (CHI 2023)*. ACM. (acceptance rate: 28.4%)

Desjardins, A., **Biggs, H.**, Viny, J., Key, C. IoT Data in the Home: Observing Entanglements and Drawing New Encounters. *Proceedings of the 2020 Conference on Human Factors in Computing Systems (CHI 2020)*. ACM. (acceptance rate 24%)

Desjardins, A., **Biggs, H.** Data Epics. *Proceedings of the 2021 Conference on Human Factors in Computing Systems (CHI 2021)*. ACM. (acceptance rate: 26.3%)

### **Creative Exhibitions**

S/TE 2025. Goat Farm Arts Center, Atlanta GA

Going There: Mixed Media GIS Quilts

Queer Ecologies. 2025. Fulton County Public Art Futures Lab, Atlanta, GA

Soft Sound Geographies: Textile Maps of Land Body Data Entanglements

Conference on Tangible, Embedded, and Embodied Interaction. 2025. Arts and Demos. Bordeaux, France.

Soft Sound Geographies: Textile Maps of Land Body Data Entanglements

Textile Intersections Conference Exhibition. 2020. London, UK

High Water Pants: Tangible Intersections of Everyday Cyclists and Climate Change

On the Boards Performance Lab, 2019; Seattle, WA

Racquetball Score Sound Performance