

# STACY M. BRANHAM

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## EDUCATION

**Ph.D. in Computer Science**, Center for Human-Computer Interaction, Virginia Tech  
Spring 2014

**Dissertation:** Designing Technologies for Empathic Communication

**Advisor:** Steve Harrison

**Committee:** Christopher Hoadley, Fred Piercy, Dennis Kafura, Manuel Pérez-Quiñones

**B.S. in Computer Science, minor in Mathematics**, Virginia Tech  
Spring 2007

## RESEARCH EXPERIENCE

**Lecturer, UMBC** - Baltimore, MD

Fall 2015 - current

*Currently exploring design of navigational technology for people who are visually impaired.  
Engaged in efforts to increase diversity in computing through computational thinking in CS1.*

**Funding:** TEMA Grant

**Products:** two conference papers (CHI '17); two posters (CHI '16, ASSETS '16)

**Postdoctoral Researcher, UMBC** - with Shaun Kane, Baltimore, MD

Spring 2014 - Summer 2015

*Explored the social, experiential aspects of assistive technology use by people who are visually impaired and their sighted companions.*

**Funding:** NSF EAGER Award IIS-1353312

**Products:** two conf. papers (CHI '15a, CHI '15b, ASSETS '15); journal article (TACCESS '15)

**Research Intern, FXPal** - with Scott Carter, Palo Alto, CA

Summer 2012

*Investigated situated values, tools, and techniques of novice DIY and How-to content creators in online communities.*

**Products:** journal article (EITJ '13); workshop position paper (Stanford, '12)

**Research Intern, Intel** - with Tad Hirsch, Portland, OR

Summer 2010

*Explored the process of intimate partner connection and technology's role in mediating empathy when partners are colocated.*

**Products:** conference paper (DIS '12), workshop position paper (GROUP '10)

**Research Intern, FXPal** - with Scott Carter, Gene Golovchinsky, Jacob Biehl, Palo Alto, CA  
Summer 2009

*Investigated the work, play, and reflection activities supported by a networked whiteboard capture and reuse system in an office setting.*

Products: [two conference papers \(CHI '10, DIS '12\)](#)

**Usability Engineer, Meridium** - Roanoke, VA  
Summer 2008

*Worked with a team of engineers, quality assurance specialists, technical writers, and project managers to design a touchscreen display for mechanics on the shop floor; conducted site visits, user interviews, generated usability requirements, created UI mock-ups, ran usability tests.*

**Undergraduate Researcher** - with Scott McCrickard, Blacksburg, VA  
Spring 2007

*Investigated incongruence of reusable text-based design rationale tools and “designerly ways of knowing,” leading to development of a picture-based “collaborative storyboarding” activity.*

Research products: [journal article \(HT '11\)](#), [two conference papers \(INTERACT '09, DIS '10\)](#), [poster paper \(CSCW '08\)](#), [three workshop papers \(C&C '07, Penn State '08, CHI '10\)](#)

## GRANTS

**Co-PI, Toyota Engineering and Manufacturing North America (TEMA), 2016-17.** “Hardware Design and Field Evaluation of an Ultra-Mobile Navigation Aid for Blind People.” (\$190,000)

**PI, NSF EAGER Award (IIS-1353312).** “Understanding Barriers to Workplace Collaboration for People with Visual Impairments.” (\$164,982)

## SPECIAL ISSUES, WORKSHOPS & PANELS ORGANIZED

Waycott, J., Munteanu, C., Davis, H., Thieme, A., **Branham, S.M.**, Moncur, W., McNaney, R., Vines, J. “Ethical Encounters in Human-Computer Interaction.” *In Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI '17)*, Denver, CO, May 6-11, 2017. 8 pages. *(to appear)*

Waycott, J., Munteanu, C., Davis, H., Thieme, A., Moncur, W., McNaney, R., Vines, J., **Branham, S.M.** “Ethical Encounters in Human-Computer Interaction.” *In Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI '16)*, San Jose, CA, May 7-12, 2016. 8 pages.

**Branham, S.M.**, Thieme, A., Nathan, L., Tatar, D., eds. Special Issue: “Co-constructing Meaning: Ethics Matter(s) in Design Research.” *Interacting with Computers*. Oxford Journals, due out late 2015. (5-year impact factor: 1.365)

Waycott, J., Davis, H., Thieme, A., **Branham, S.**, Vines, J., Munteanu, C. “Ethical Encounters in HCI: Research in Sensitive Settings.” *In Extended Abstracts, ACM SIGCHI Conference on Human Factors in Computing Systems (CHI '15)*, Seoul, Korea, April 18-23, 2015.