

Curriculum Vitae

Daniela K. Rosner

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EDUCATION

- Fall 2006 - 2012* **University of California Berkeley**, School of Information, M.I.M.S., Ph.D., Berkeley, CA
Dissertation Committee: Kimiko Ryokai (advisor, I-School), Jenna Burrell (I-School)
Elizabeth Churchill (Yahoo!), Rosemary Joyce (Anthropology)
Courses Include: Approaches to Materiality, Thinking with the Copy, Tangible User Interfaces
- Fall 2003 - Spring 2005* **University of Chicago**, M.S. in Computer Science, Chicago, IL
Courses Include: Databases, Scientific Visualization, Topics in Grid Computing
- Fall 1998 - Spring 2003* **Rhode Island School of Design**, B.F.A. Graphic Design, Providence, RI
Courses Include: Foundation Studies, Design Applications, Graduate Digital Media
Cross-registered courses at Brown University Include: Astronomy, Computer Science, Digital Media

PUBLICATIONS

- Journal Articles* **Rosner, D. K.** and S. Fox. "Legacies of Craft and the Centrality of Failure in a Women-Operated Hackerspaces in Northern California." *Journal of New Media & Society* 1 (2016): 23.
- Fox, S. E., and **D. K. Rosner**. "Inversions of Design: Examining the Limits of Human-Centered Perspectives in a Feminist Design Workshop" *Journal of Peer Production* (2016).
- Rosner, D. K.** "Making Citizens, Reassembling Devices: On Gender and the Development of Contemporary Public Sites of Repair in Northern California." *Public Culture* 26, no. 1 72 (2014): 51-77.
- Ames, M. G., and **D. K. Rosner**. "From drills to laptops: designing modern childhood imaginaries." *Information, Communication & Society* (2013): 1-14.
- Rosner, D. K.**, and A. S. Taylor. "Binding and aging." *Journal of Material Culture* 17, no. 4 (2012): 405-424.
- Book Chapters* **Rosner, D. K.** and F. Turner. "Theaters of Alternative Industry: Hobbyist Repair Collectives and the Legacy of the 1960s American Counterculture." In *Design Thinking Research*, eds. C. Meinel and L. Leifer, pp. 59-69. Springer International Publishing, 2015.
- Rosner, D. K.** "Conflicting Ideologies of the Digital Hand: Locating the Material in a Digital Age. In *Critical Craft: Technology, Globalization, and Capitalism* (2016).
- Rosner, D. K.**, and M. Foster. "Woven Futures: Inscribed Material Ecologies of Critical Making." In *DIY Citizenship: Critical Making and Social Media*, eds. Boler, M and Ratto, M. (2014).

PUBLICATIONS, CONT.

Refereed Conference Papers **Rosner, D. K.**, Morris, M., Duncan, A., Fox, S. E., Kitner, K. R., Agrawal, A., and M. Chen. "Design for Movement in Public Life with Itinerant Probes." To appear in *Proceedings of the Designing Interactive Systems Conference (DIS'16)*. (In Press).

Bennett, C., Cen, K., Steele, K., and **D. K. Rosner**. "An Intimate Laboratory: Prostheses as a Tool for Experimenting with Identity and Normalcy". To appear in *Proceedings of the ACM conference on Human Factors in Computing (CHI'16)*. (In Press).

Houston, L., Jackson, S.J., **Rosner, D.K.**, Ahmed, I., Young, M., and L Kang. "Values in Repair". To appear in *Proceedings of the ACM conference on Human Factors in Computing (CHI'16)*. (In Press).

Saegusa, K., Trans, T. and **D. K. Rosner**. "Mimetic Machines: Collaborative Interventions in Digital Fabrication with Arc." To appear in *Proceedings of the ACM conference on Human Factors in Computing (CHI'16)*. (In Press).

Honorable Mention Award.

Fox, S. and **D. K. Rosner**. "Continuing the Dialogue: Bringing Research Accounts Back into the Field." To appear in *Proceedings of the ACM conference on Human Factors in Computing (CHI'16)*. (In Press).

Honorable Mention Award.

Rosner, D. K., S. Kawas, W. Li, N. Tilly, and Y. Sung. "Out of Time, Out of Place: Reflections on Design Workshops as a Research Method." In *Proceedings of the 19th ACM conference on Computer supported cooperative work & social computing*, pp. 1129-1139. ACM, 2016. **Honorable Mention Award.**

Rosner, D. K., H. Saegusa, J. Friedland, and A. Chambliss. "Walking by Drawing" In *Proceedings of the ACM conference on Human Factors in Computing Systems (CHI'15)*.

Fox, S., R. R. Ulgado, and **D. K. Rosner**. "Hacking Culture, Not Devices: Access and Recognition in Feminist Hackerspaces." In *Proceedings of the 18th ACM conference on Computer supported cooperative work & social computing*.

Ames, M. G., **D. K. Rosner** and I. Erickson. "Worship, Faith, and Evangelism: Religion as an Ideological Lens for Engineering Worlds." To appear in *Proceedings of the 18th ACM conference on Computer supported cooperative work & social computing*.

Rosner, D. K. "The material practices of collaboration." In *Computer Supported Cooperative Work, ACM (2012)*: 1155-1164. **Honorable Mention Award.**

Rosner, D. K., M. Ikemiya, and T. Regan. "Resisting Alignment: Code and Clay." In *Proceedings of the ACM conference on Tangible Embedded Embodied Interaction*.

Rosner, D. and F. Turner. "Theaters of Alternative Industry: Hobbyist Repair Collectives and the Legacy of the 1960s American Counterculture." In *Design Thinking Research*, eds. C. Meinel and L. Leifer, pp. 59-69. Springer International Publishing, 2015.

Rosner, D. K., and M. G. Ames. Designing for Repair? Infrastructures and Materialities of Breakdown. In *Computer Supported Cooperative Work & Social Computing, ACM (2014)*: 319-331.

PUBLICATIONS, CONT.

Ikemiya, M., and **D. K. Rosner**. "Broken probes: toward the design of worn media." *Personal and ubiquitous computing* 18, no. 3 (2014): 671-683.

Rosner, D. K., M. Ikemiya, D. Kim, and K. Koch. "Designing with traces." In *Conference on Human Factors in Computing Systems*. ACM (2013): 1649-1658.

Rosner, D. K., and A. S. Taylor. "Binding and aging." *Journal of Material Culture* 17, no. 4 (2012): 405-424.

Bardzell, S., **D. K. Rosner**, and J. Bardzell. "Crafting quality in design: integrity, creativity, and public sensibility." In *Proceedings of the Designing Interactive Systems Conference*. ACM (2012): 11-20.

Rosner, D. K., "Mediated Craft: Digital Practices around Creative Handwork." In *Textile Messages: Dispatches from the World of Education and E-textiles*, eds. Buechley, B., et al. *Invited book chapter, in press*.

Rosner, D. K. "The material practices of collaboration." In *Computer Supported Cooperative Work*, ACM (2012): 1155-1164. **Honorable Mention Award.**

Rosner, D. K., and A. S. Taylor. "Antiquarian answers: book restoration as a resource for design." In *Conference on Human Factors in Computing Systems*. ACM (2011): 2665-2668. **Honorable Mention Award.**

Goodman, E., **Rosner, D. K.** "From Garments to Gardens: Negotiating Material Relationships Online and 'By Hand.'" In *Proc. of CHI'11*, ACM Press, New York, NY, USA, (2011), 2257-2266.

Rosner, D. K., Ryokai, K. 2010. "Spyn: Augmenting the Creative and Communicative Potential of Craft." In *Proc. of CHI'10*, ACM Press, New York, NY, USA, (2011), 2407-2416.

Rosner, D. K., Ryokai, K. 2009. "Reflections on Craft: Probing the Creative Process of Everyday Knitters." In *Proc. Creativity and Cognition '09*. ACM Press, New York, NY, USA, (2009), 195-204.
Best Student Paper Award.

Rosner, D. K., Bean, J. 2009. "Learning from IKEA Hacking: 'I'm Not One to Decoupage a Tabletop and Call It a Day.'" In *Proc. of CHI'09*, ACM Press, New York, NY, USA, (2011), 419-422.

Rosner, D. K., Ryokai, K. 2008. "Spyn: Augmenting Knitting to Support Storytelling and Reflection." In *Proc. of Ubicomp'08*. ACM Press, New York, NY, USA (2008), 340-349.

Rosner, D. K., Ryokai, K., (2008) "Weaving Memories into Handcrafted Artifacts with Spyn." CHI Interactivity. In *Extended Abstracts of CHI'08*. ACM Press, New York, NY, USA (2008), 2331-2336.

Hearst, M., **Rosner, D. K.** (2008), "Tag Clouds: Data Analysis Tool or Social Signaller?" In HICSS'08, Social Spaces minitrack, 160-169.

OTHER PUBLICATIONS

- Bean, J., **D. K. Rosner**, and D. Cuartielles. "Conversations on Making" interactions 22.1 (2015), 22-24.
- Rosner, D. K.**, and J. Bean. "Big data, diminished design?." interactions 21, no. 3 (2014): 18-19.
- Bean, J., and **D. K. Rosner**. "Making: movement or brand?." interactions 21, no. 1 (2014): 26-27. Rosner, D. D. K.
- Rosner, D. K.**, and J. Bean. "The weapons factory in the den." interactions 20, no. 3 (2013): 80-81.
- Bean, J., and **D. K. Rosner**. "Taking the new neologisms offline." interactions 20, no. 1 (2013): 78-80.
- Bean, J., and **D. K. Rosner**. "Demo or die?: the role of video demonstrations in the public domain." interactions 20, no. 5 (2013): 80-81.
- Rosner, D. K.** "The digital apprentice." interactions 19, no. 5 (2012): 72-73.
- Bean, J., and **D. K. Rosner**. "Old hat: craft versus design?." interactions 19, no. 1 (2012): 86-88.
- Rosner, D. K.** "Tracing provenance." interactions 18, no. 5 (2011): 32-37.
- Bean, J., and **D. K. Rosner**. *Ikea Hacking*. Ambidextrous Magazine. Issue 12, Spring 2010.
- Rosner, D. K.**, and K. Ryokai. **Knitting Scarves and Stories Together**. Ambidextrous Magazine. Issue 9, 2008.

WORK EXPERIENCE

- 2013 - present* **Assistant Professor**, Department of Human Centered Design and Engineering, University of Washington.
- 2012 - 2013* **Postdoctoral Fellow**, Program in Science, Technology and Society (STS), Stanford University, Stanford, CA
Research with Prof. Fred Turner on the role of repair practices in generating changes in design and engineering developments. Research is funded by a grant from the Hasso Plattner Design Thinking Research Program.
- Summer 2010* **Intern**, *Microsoft Research*, Cambridge, UK
Socio-Digital Systems intern under Alex Taylor. As technologies age, they experience wear, sometimes resulting in loss of functionality. This research aimed to enrich human computer interaction (HCI) design practices by considering the production of value in book restoration.
- Summer 2008* **Intern**, *Nokia Research Center*, Palo Alto, CA
Social Proximity Networks Team intern under Peter Boda. Designed and implemented software that integrates communication functionality (calling & SMS) with digital photo albums. Patent pending.
- Summer 2007* **Intern**, *Adobe User Research*, Adobe Systems Inc., San Jose and San Francisco, CA
Awarded "**Most Innovative Intern Award**" for work on two projects: 1) design, implementation and evaluation of functional Photoshop plug-in that provided users with a novel contextual tool palette; 2) use of qualitative research methods to understand the needs of first-time users of Adobe Flash and Photoshop and the development of designs for integrated "start-up" support.
- Fall 2006 - Fall 2008* **Graduate Research Assistant**, *School of Information*, UC Berkeley, Berkeley, CA
Prof. Kimiko Ryokai, Fall 2007, Fall 2008
Design research and fieldwork investigating the integration of digital practices and creative handwork.
Prof. Bob Glushko, Spring 2006
User-centered design and development of UC Berkeley Web Design Pattern Library.
Research with Prof. Marti Hearst, Fall 2006
Examined use of tag-clouds and how people talk about tag clouds' informational efficacy.
- 2004 - 2006* **Exhibit Design and Interactive Media Development**, *Adler Planetarium*, Chicago, IL
Led digital design and interactive media development for museum exhibitions.

TEACHING EXPERIENCE

HCDE 508, HCDE 308 - Visual Communication

Department of Human Centered Design and Engineering, University of Washington.

HCDE 548 - Advanced Topics, Department of Human Centered Design and Engineering, Univ. of Washington.

HCDE 546 - Design Thinking, Department of Human Centered Design and Engineering, Univ. of Washington.

(Extra)ordinary Materials, California College of the Arts, San Francisco, CA

Graduate Student Instructor, Graduate Course, Information School, UC Berkeley, CA

Theory and Practice of Tangible User Interfaces with Prof. Kimiko Ryokai, 2011

Interface Aesthetics, Prof. Kimiko Ryokai, 2007, 2008, 2009, 2010

Workshop Co-Instructor,

2013 *E(text)iles: New Material Explorations*, Columbia College, Chicago, IL

2011 *Fine Bookbinding Meets Electronics*, TEI Conference, Madeira, Portugal

2010 *Wii mote Hackery*, TEI Conference, MIT Mediat Lab, Cambridge, MA

2009 *Wii mote Weekend*, Concordia University, Montreal, QC

2006 *TeraGrid Conference*, Indianapolis, IN

2006, 2007, *Image and Meaning (IM) Workshops 2.2, 2.3, 2.4*

PROFESSIONAL ACTIVITIES

Associate Chair

ACM SIGCHI Conference on *Pervasive Computing* 2012.

ACM SIGCHI Conference on *Ubiquitous Computing* 2013, 2014.

ACM SIGCHI Conference on *Human Factors in Computing Systems* 2013, 2015, 2016 (CHI).

ACM SIGCHI Conference on *Computer Supported Cooperative Work & Social Computing* 2015, 2016 (CSCW).

Columnist and forum editor, Interactions Magazine, ACM. 2012-present.

Conference Co-Chair / Co-organizer organization

Materiality of Information: Documents and Work, Mini-Track Co-Chair, HICSS, 2014, 2015, 2016.

ALT.CHI Track, ACM SIGCHI Conference on Human Factors in Computing Systems 2013, 2014.

What's New about New Materialisms? Center for Science, Technology, Medicine & Society (CSTMS), 2012.

ACM SIGCHI *Creativity & Cognition Conference*, Local Conference Chair, UC Berkeley, 2009.

Panelist

Society for Social Studies of Science Annual Meeting (4S), 2012, 2015

Society For Cinema and Media Studies (SCMS), 2013.

American Anthropological Association (AAA) Annual Meeting, 2012, 2013.

iConference 2012. *Is Information Material? Digital Materialities and Mediated Logics*, 2012.