

# ERIC PAULOS

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## EMPLOYMENT

- 2016 – Present Associate Professor  
University of California, Berkeley  
Electrical Engineering and Computer Science  
Berkeley Center for New Media
- 2012 – 2016 Assistant Professor  
University of California, Berkeley  
Electrical Engineering and Computer Science  
Berkeley Center for New Media
- 2012 – Present Adjunct Professor  
Carnegie Mellon University
- 2011 – 2012 Cooper-Siegel Endowed Chair  
Carnegie Mellon University
- 2011 – 2012 Associate Professor  
Human Computer Interaction Institute  
School of Computer Science  
Carnegie Mellon University
- 2008 – 2012 Affiliated Faculty Member  
Robotics Institute  
School of Computer Science  
Carnegie Mellon University
- 2008 – 2012 Affiliated Faculty Member  
Entertainment Technology Center (ETC)  
Carnegie Mellon University
- 2008 – 2012 Affiliated Faculty Member  
Master of Tangible Interaction Design (mTID)  
School of Architecture  
Carnegie Mellon University
- 2008 – 2011 Assistant Professor  
Human Computer Interaction Institute  
School of Computer Science  
Carnegie Mellon University
- 2002 – 2008 Senior Research Scientist  
*Intel Research*
- Spring 2005 Visiting Professor  
*San Francisco Art Institute*

2001 – 2002      President and CTO  
*Tmote Incorporated*

## EDUCATION

- 2001    PhD Electrical Engineering and Computer Sciences  
Dissertation: *Personal Tele-embodiment*  
University of California, Berkeley
- 1999    M.S. Electrical Engineering and Computer Sciences  
Thesis: *Fast Construction of Near Optimal Probing Strategies*  
University of California, Berkeley
- 1991    B.A. Letters and Science, Computer Science  
University of California, Berkeley

## HONORS AND AWARDS

- 2017    Best Paper Award, ACM SIGCHI, *Exploring Light as Material: Computational Design and Fabrication of Secondary Optics for Illumination Aesthetics*
- 2016    Best Paper Honorable Mention Award, ACM DIS, *Skintillates*
- 2016    Best Paper Honorable Mention Award, ACM DIS, *ProxyPrint*
- 2016    Best Paper Award, ACM SIGCHI, *"I Don't Want to Wear a Screen": Probing Perceptions of and Possibilities for Dynamic Displays on Clothing*
- 2012    Honorary Mention, Prix Ars Electronica, *Energy Parasites*
- 2011    Cooper-Siegel Endowed Chair, Carnegie Mellon University
- 2011    Best Paper Award, ACM Ubiquitous Computing Conference, *Nurturing Natural Sensors*
- 2011    Best Note Nomination Award, ACM SIGCHI, *A Phenomenology of Human-Electricity Relations*
- 2010    Best Paper Award, Design and Emotion Conference, *Designing Emotional Attachment to Energy*
- 2009    Best Paper Nomination Award, ACM SIGCHI, *A Vehicle for Research: Using Street Sweepers to Explore the Landscape of Environmental Community Action*
- 2009    Carnegie Mellon University Dean's Innovation Fund Award
- 2006    Design Award by the design firm Protocase for *Hullabaloo* research project
- 2005    Nominated finalist, *\$100,000 Edge of Computation Science Prize* by Edge Foundation
- 2005    Included in the History of Interactive Art Archive SIGGRAPH 1982-1996
- 1999    Honorary Mention, Prix Ars Electronica, *Dispersion*
- 1987    McDonnell Douglas Academic Scholarship

## PROFESSIONAL ACTIVITIES (CURRENT)

- 2016- **Associate Chair**, ACM SIGCHI 2017
- 2016- **Chief Learning Officer**, Jacobs Institute for Design Innovation
- 2016- **Committee**, *Campus Wide Undergraduate Design Certificate*, UC Berkeley
- 2016- **Committee**, UC Berkeley, EECS Graduate Matters

- 2016- **Subcommittee Chair**, *ACM DIS 2016*
- 2016- **Director** CITRIS Connected Communities Initiative
- 2016 **Committee**, *International Advisory Committee of the Digital Communities category at Prix Ars Electronica*
- 2015- Acting **Chief Learning Officer**, Jacobs Institute for Design Innovation
- 2015- **Berkeley Campus Lead** CITRIS Connected Communities Initiative
- 2015- **Director**, *CITRIS Invention Lab, UC Berkeley*
- 2015 **Committee**, *Doctoral Symposium, ACM UIST 2015*
- 2014- **Affiliate Faculty Member** Arts Research Center at UC Berkeley (ARC)
- 2014- **Committee**, College of Engineering UC Berkeley Art, Technology and Culture
- 2013- **Co-Director**, *Swarm Lab, UC Berkeley*
- 2013- **Advisor** European Research Council project, Citizen Sense
- 2013- **Interviewer**, UC Berkeley, Regents' and Chancellor's Scholarships
- 2012- **Co-Director**, *CITRIS Invention Lab, UC Berkeley*
- 2012- **Committee**, UC Berkeley, EECS Graduate Admissions
- 2012- **Committee**, UC Berkeley, EECS External Relations
- 2012- **Associate Director**, *Art Technology Culture (ATC) Program, UC Berkeley*
- 2008- **Founder/Director**, Living Environments Laboratory
- 2002- **Founder/Director**, *Urban Atmospheres*
- 1998- **Member**, *ACM*
- 1996- **Founder/Director**, *Experimental Interaction Unit (EIU)*
- 1994- **Member**, *Survival Research Laboratories (SRL)*
- 1993- **Member**, *IEEE*

## PROFESSIONAL ACTIVITIES (PAST)

- 2013 – 2014 **Program Co-Chair**, *ACM DIS 2014*
- 2013 – 2014 **Co-Editor**, IEEE Pervasive Computing Special issue on Pervasive Analytics and Citizen Science
- 2012 – 2013 **Associate Chair**, *ACM SIGCHI 2013*
- 2012 – 2013 **Advisor**, *MediaCity Conference*
- 2012 – 2015 **Affiliated Faculty**, UC Berkeley, Data and Democracy Initiative
- 2012 **Co-Organizer**, Workshop, (DIY)biology: Designing for Open Source Science (ACM DIS)
- 2011 – 2012 **Design Subcommittee Chair**, *ACM SIGCHI 2012*
- 2011 – 2012 **Associate Chair**, *ACM SIGCHI 2012*
- 2011 – 2012 **Advisory Board**, Nucleus
- 2011 **External Reviewer**, Interactive Multimedia Program, Art Department, The College New Jersey
- 2010 – 2011 **Associate Chair**, *ACM SIGCHI 2011*
- 2010 – 2011 **Associate Chair**, *ACM DIS 2011*
- 2010 – 2011 **Associate Chair**, *ACM UIST 2011*
- 2010 – 2012 **Committee**, Carnegie Mellon University HCII, Curriculum

- 2010 – 2012 **Committee**, Carnegie Mellon University HCII, Masters HCII Student Admissions
- 2010 – 2012 **Advisor**, *Giraff Technologies AB*, Sweden
- 2009 – 2012 **Advisor**, Samsung Electronics Corporation's Advanced Institute of Technology (SAIT)
- 2009 **Co-Organizer**, Workshop DIY for CHI: Methods, Communities, and Values of Reuse and Customization (ACM SIGCHI)
- 2009 – 2012 **Advisory Board**, Studio for Creative Inquiry, School of Art, Carnegie Mellon University
- 2009 **Committee**, Carnegie Mellon University HCII, Undergraduate Admissions
- 2008 – 2012 **Committee**, Carnegie Mellon University HCII, PhD Admissions
- 2008 – 2012 **Committee**, Carnegie Mellon University, Masters of Tangible Interaction Design, Admissions
- 2008 – 2012 **Jury**, *Carnegie Mellon University*, Smily Awards
- 2009 **Co-Organizer**, Workshop, DIY for CHI: Methods, Communities, and Values of Reuse and Customization (ACM SIGCHI)
- 2008 – 2010 **Advisor**, *HeadThere, Inc.*, San Francisco, CA
- 2008 **Co-Organizer**, Workshop Ubiquitous Sustainability: Citizen Science & Activism, International Conference on Ubiquitous Computing (UbiComp)
- 2008 **Co-Organizer**, Workshop Pervasive Persuasive Technology and Environmental Sustainability (6th International Conference on Pervasive Computing)
- 2008 **Jury**, Climate Clock International public art competition, City of San Jose, Montalvo Arts Center, the San Jose Redevelopment Agency, San Jose State University and ZER01.
- 2007 – 2008 **Associate Chair**, *ACM SIGCHI 2008*
- 2007 **Co-Editor**, IEEE Pervasive Computing special issue on Urban Computing
- 2006 **Chair**, International Symposium on Electronic Art (ISEA) Interactive City
- 2006 **Program Committee, Symposium Jury**, International Symposium on Electronic Art (ISEA)
- 2006 **Chair**, Interactive City Summit International Symposium on Electronic Art (ISEA)
- 2006 **Program Committee**, Demonstrations, International Conference on Ubiquitous Computing (UbiComp)
- 2006 **Host Committee**, International Symposium on Electronic Art (ISEA)
- 2006 **Co-Organizer**, Workshop Ex-Urban Noir, International Conference on Ubiquitous Computing (UbiComp)
- 2006 **Program Committee**, ACM Multimedia, Interactive Arts
- 2006 **External Committee**, UK Engineering and Physical Sciences Research Council
- 2006 – 2008 **Board Member**, California College of Art's Graduate Design Pro Council
- 2006 – 2008 **Senior Research Advisor**, *Physicality Research Theme* for Intel Corporation

- 2005 **Co-Organizer**, Workshop Metapolis and Urban Life, International Conference on Ubiquitous Computing (UbiComp)
- 2005 **Program Committee**, Demonstrations, International Conference on Ubiquitous Computing (UbiComp)
- 2005 – 2006 **Associate Chair**, *ACM SIGCHI 2006*
- 2005 – 2008 **Advisor**, San Francisco International Film Festival Urban and Mobile New Media Program
- 2005 – 2008 **Member**, San José International Airport Art Program Oversight Committee (AAPOC)
- 2005 – 2008 **Advisor**, Southern Exposure Organization for Interactive Urban Projects, San Francisco, CA
- 2005 – 2008 **Advisor**, The Fourth Screen: a global festival of art and innovation for mobile phones
- 2004 **Chair**, Street Talk Symposium: An Urban Computing Happening
- 2004 **Organizer**, *Urban After*
- 2004 – 2012 **Board Member**, UC Berkeley's Art Technology Culture Board of Advisors
- 2003 – 2008 **Advisor**, Artistic Programming Board for the Beall Center, UC Irvine
- 2002 – 2008 **Board Member**, The Kitchen's National Art and Technology Network Advisory Board
- 2003 **Co-Organizer**, Workshop UbiComp in the Urban Frontier, International Conference on Ubiquitous Computing (UbiComp)
- 2004 **Program Committee**, Demonstrations, International Conference on Ubiquitous Computing (UbiComp)
- 2003 **External Committee**, UK Engineering and Physical Sciences Research Council
- 2003 **Co-Chair**, Demonstrations, International Conference on Ubiquitous Computing (UbiComp)
- 2003 **Organizer**, Panel, Mobile Play: Blogging, Tagging, and Messaging, International Conference on Ubiquitous Computing (UbiComp)
- 2003 **Co-Organizer**, Workshop, Intimate Computing, International Conference on Ubiquitous Computing (UbiComp)
- 2003 **Organizer**, Intel Invited Distinguished Lecture Series
- 2002 – 2008 **Member**, *Arts and Entertainment Committee* for Intel Corporation
- 2002 – 2008 **Member**, *Community and Trust Committee* for Intel Corporation
- 2002 – 2008 **Member**, *Human Computer Interaction Committee* for Intel Corporation
- 2001 **Founder/Member**, Technical Committee on Online Robots for IEEE Robotics and Automation
- 2000 **Judge**, 8th Annual New York Digital Art Salon, School of Visual Arts
- 1999 **Co-Organizer**, Workshop, Current Challenges in Internet Robotics, IEEE International Conference on Robotics and Automation
- 1999 **Co-Founder** Human Centered Computing, HCC Reading Group, UC Berkeley

- 1998      **Invited, Keynote Panel**, Displaced Perceptions: Intriguing Questions on the Desires of Uninhibited Technology, Web98 Design and Development Conference and Exposition
- 1997      **Organizer**, Panel, Interfacing Reality: Exploring Emerging Trends between Humans and Machines, ACM SIGGRAPH

## TECHNICAL REVIEWER

*ACM SIGCHI, ACM Ubiquitous Computing, ACM CSCW, ACM UIST, ACM DIS, ACM DUX, TEI, Mobile HCI, MIT Press, Transactions on Computer-Human Interaction, IEEE Pervasive, Journal of Human Robot Interaction, Design and Emotion, Tangible and Embodied Interaction (TEI), IEEE Computer, International Journal of Robotics Research, Autonomous Robotics Journal, IEEE Transactions on Robotics and Automation, Journal of Robotics Systems, IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), IEEE International Conference on Robotics and Automation (ICRA), ACM Multimedia, ACM Multimedia Interactive Arts, International Symposium on Electronic Art (ISEA) Interactive City, International Symposium on Electronic Art (ISEA), Media Architecture Biennale, and Kluwer Academic Publishers.*

## TEACHING

- 1998 FL    Computer Science 284: Advanced Computer Graphics (Teaching Assistant)  
*UC Berkeley*
- 2003 FL    Computer Science 160: Human Computer Interaction  
*UC Berkeley*  
with Assistant Professor Jen Mankoff
- 2005 SP    Digital Media 150: Activating Environments and Objects (**designed new course**)  
*San Francisco Art Institute*
- 2006 FL    Center for New Media 290 / Architecture 290x: Metapolis: Urban Computing  
*UC Berkeley (co-designed new course)*  
with Assistant Professor Anthony Burke
- 2007 FL    Architecture 201 Studio: Digital Atmospheres (**co-designed new course**)  
*UC Berkeley*  
with Assistant Professor Nicholas de Monchaux
- 2009 SP    CMU HCII 05-650 Basic Interaction Design  
*Carnegie Mellon University*
- 2009 FL    CMU HCII 05-899 Activating Environments (**designed new course**)  
*Carnegie Mellon University*
- 2010 SP    CMU HCII 05-650 Basic Interaction Design  
*Carnegie Mellon University*

- 2011 SP CMU HCII 05-650 Basic Interaction Design  
*Carnegie Mellon University*
- 2011 FL CMU SCS 62-661 & ART 15-661 Interaction and Expression using the  
Pausch Bridge Lighting (Art and Technology Course) (**designed new course**)  
*Carnegie Mellon University*
- 2011 FL CMU HCII 05-899 Activating Objects (**designed new course**)  
*Carnegie Mellon University*
- 2012 SP CMU SCS 62-661 & ART 15-661 Interaction and Expression using the  
Pausch Bridge Lighting (Art and Technology Course)  
*Carnegie Mellon University*
- 2012 SP CMU HCII 05-650 Interaction Design Studio  
*Carnegie Mellon University* (**co-designed new course**)
- 2013 SP NWMEDIA 290 & COMPSCI 294-85 Critical Making  
*UC Berkeley* (**designed new course**)
- 2013 FL COMPSCI 160 User Interface Design and Development  
*UC Berkeley*
- 2014 SP NWMEDIA 290 & COMPSCI 294-85 Critical Making  
*UC Berkeley*
- 2014 FL COMPSCI 160 User Interface Design and Development  
*UC Berkeley*
- 2015 SP NWMEDIA 203 & COMPSCI 294-85 Critical Making  
*UC Berkeley*
- 2015 FL COMPSCI 160 User Interface Design and Development  
*UC Berkeley* (**significant course re-design**)
- 2015 FL NWMEDIA 190 & 290 Critical Practices: People, Places, Participation  
*UC Berkeley* (**designed new course**)
- 2016 SP NWMEDIA 203 & COMPSCI 294-85 Critical Making  
*UC Berkeley*
- 2017 SP NWMEDIA 203 & MEC EMG 205 Critical Making  
*UC Berkeley*

#### **DEMOCRATIC CAL (DECAL) UC BERKELEY COURSES SPONSORED**

- 2015 SP Working with Typography, taught by Shana Hu
- 2015 FL Working with Typography, taught by Jason Ma

#### **CURRENT PHD STUDENTS**

- 2013- Cesar Torres (UC Berkeley)

- 2014- Rundong “Kevin” Tian (UC Berkeley)
- 2014- Christie Dierk (UC Berkeley)
- 2016- Sarah Sterman (UC Berkeley)
- 2016- Molly Nicholas (UC Berkeley)

## PREVIOUS PHD STUDENTS

- 2008-2014 **Stacey Kuznetsov** (Carnegie Mellon University)  
Assistant Professor at the School of Arts, Media, and Engineering  
Arizona State University
- 2008-2014 **Sunyoung Kim** (Carnegie Mellon University)  
Assistant Professor in the School of Communication and Information  
Rutgers University  
Previously — Postdoctoral Fellow at Center for Research on Computation and  
Society at Harvard School of Engineering and Applied Sciences
- 2009-2015 **James Pierce** (Carnegie Mellon University)  
Researcher and Lecturer at UC Berkeley
- 2013-2015 **Tim Campbell** (UC Berkeley)  
Tim passed away as a third year PhD student after his battle with cancer on 15  
September, 2015
- 2013-2016 **Joanne Lo** (UC Berkeley)  
Founder and CEO, Eleysian, Inc.

## THESIS COMMITTEES

- 2004 **Alison Sant**, MA Design Thesis Committee, Visual Studies in the Architecture  
Department, UC Berkeley
- 2009 Opponent for **Maria Håkansson** PhD Thesis Defense, *Playing with Context:  
Explicit and Implicit Interaction in Mobile Media Applications in Man-Machine  
Interaction*, Stockholm University.
- 2011 **Asa Foster**, BFA Advisor, School of Art, Carnegie Mellon University.
- 2011 **Oscar Peters**, MFA Thesis Committee, School of Art, Carnegie Mellon  
University.
- 2011 **Ronit Slyper**, PhD Thesis Committee, Robotics Institute, Carnegie Mellon  
University.
- 2012 **Audrey Desjardins**, MS Thesis Committee, School of Interactive Arts and  
Technology, Simon Frasier University.
- 2012 **Tawanna Dillahunt**, PhD Thesis Committee, Carnegie Mellon University  
Human-Computer Interaction Institute, *Using Social Technologies to Increase  
Sharing and Communication around Household Energy Consumption in Low-  
Income and Rental Communities*.



- 2012 **Siamak Faridani**, MS Thesis Committee, EECS, UC Berkeley, *A Succinct Control Theory Derivation and New Experiments with the Square-Root Variant of Fitts' Law for Heterogeneous Targets.*
- 2012 **David Sun**, MS Thesis Committee, EECS, UC Berkeley, *A High Accuracy, Low-latency, Scalable Microphone-array System for Conversation Analysis.*
- 2013 **Andrew Krioukov**, PhD Thesis Committee, EECS, UC Berkeley, *Building Application Stack.*
- 2013 **Stuart Geiger**, PhD Thesis Committee, School of Information, UC Berkeley.
- 2015 **Oscar Segovia**, Masters Thesis Second Reader, ME, M.Eng., UC Berkeley.
- 2015 **Lee Hamstra**, Masters Thesis Second Reader, ME, M.Eng., UC Berkeley.
- 2015 **Laura Devendorf**, PhD Thesis Committee, Information School, UC Berkeley.
- 2015 **Michael Karlesky**, PhD Thesis Committee, NYU Polytechnic School of Engineering, New York City.
- 2015 **Valkyrie Savage**, PhD Thesis Committee Chair, EECS, UC Berkeley.
- 2015 **Stephen McKinley**, PhD Thesis Committee, ME, UC Berkeley.
- 2015 **Peggy Chi**, PhD Thesis Committee Chair, EECS, UC Berkeley.
- 2016 **Saurabh Mitra**, Masters Thesis, M.Eng., UC Berkeley.
- 2016 **Tong Yi**, Masters Thesis, M.Eng., UC Berkeley.
- 2016 **Yuhao Liu**, Masters Thesis, M.Eng., UC Berkeley.
- 2016 **Michelle Nguyen**, Masters Thesis Second Reader, M.Eng., UC Berkeley
- 2016 **Jasper O'Leary**, Undergraduate Thesis Advisor, EECS, UC Berkeley.
- 2016 **Yen-Chia Hsu**, PhD Thesis Committee, Carnegie Mellon University.
- 2017 **Amy Paval**, PhD Thesis Committee Chair, EECS, UC Berkeley.
- 2017 **K. Shankari**, PhD Thesis Committee, EECS, UC Berkeley.
- 2017 **Zilun Gong**, PhD Thesis Committee, Material Science and Engineering, UC Berkeley.
- 2017 **Antonio Gamba-Bari**, PhD Thesis Committee, University of Toronto.

## POST DOCTORAL, VISITORS, UNDERGRADUATE STUDENTS, AND INTERNS

### Intel Research 2002 – 2008

- 2002 Elizabeth Goodman (NYU Interactive Telecommunication Program), later at UCB
- 2006 Parul Vora (Stanford), now at Wikipedia  
August Joki (UCLA) now at Nokia Research Palo Alto  
Jason LeBrun (UC Davis)  
Tom Jenkins (Royal College of Art, Interaction Design), now at Google

Linda Nielsen (Cultural Anthropologist, University of Copenhagen, Denmark)  
 Mamie Rheingold (Stanford), now at Google  
 Chris Beckmann (UC Berkeley), now at Google  
 Alison Sant, Thesis Committee, (Visual Studies in the Architecture Department,  
 UC Berkeley), now co-founder Studio for Urban projects  
 Elizabeth Goodman (UC Berkeley)  
 Ben Hooker, Visiting Faculty, (Royal College of Art, Interaction Design), now  
 Associate Professor, Media Design Program, Art Center College of Design,  
 Pasadena, CA

2007 RJ Honicky (PhD UC Berkeley), now at Nokia Research

#### **Carnegie Mellon University 2008 – 2012**

2011 Sai Ram Yamanoor (MS Mechanical Engineering, Carnegie Mellon University)  
 2010 Craig Fahner (MFA School of Art, Carnegie Mellon University)  
 2010 George Davis (BS Electrical Engineering, Carnegie Mellon University)  
 2009 Paul Shen (BS Carnegie Mellon University) (now at Facebook)  
 2008-12 Tawanna Dillahunt (PhD Carnegie Mellon University) (with Jen Mankoff)

#### **UC Berkeley 2012 – 2015 Undergraduate Students**

Achal Dave, Jasper O’Leary, Akhila Raju, Atash Parakh, Andrew Kim, Rundong  
 Tian, Kenny Wang, Allen Li, Elizabeth Lin, Sangeetha Alagappan, Jung-Lin Lee,  
 Deborah Ma, Utkarsh Dalal, Ryo Mayes, Serena Chang, Andrew Fang, Neil  
 Kumar, Vivek Srivatsa, David Bui, Nathan Wong, Lesley Chiang, JJ Kuwata, Eric  
 O’Neil, Anthony Bailey, Nicholas Firmani, Tomas Vega, Jessica Chiu, Lydia Lee,  
 Soham Shah, Eric O’Neill, Maxwell Rutman, Ethan Chiou.

#### **REFEREED ARCHIVAL JOURNALS**

1. *A World Wide Web Telerobotics Remote Environment Browser*, Eric Paulos and John Canny, **World Wide Web Journal**, 1996.
2. *Fast Construction of Near Optimal Probing Strategies*, Eric Paulos and John Canny, **Algorithmic Foundations of Robotics**, 1996.
3. *Ubiquitous Tele-embodiment: Applications and Implications*, Eric Paulos and John Canny, **International Journal of Human-Computer Studies**, Special Issue on Innovative Applications of the World Wide Web, Volume 46, Issue 6, 1997.
4. *Social Tele-embodiment: Understanding Presence*, Eric Paulos and John Canny, **Autonomous Robotics**, Volume 11, Issue 1, July 2001.
5. *Optimal Probing Strategies*, John Canny and Eric Paulos, **International Journal of Robotics Research**, 2001.

**REFEREED CONFERENCE PROCEEDINGS**

1. *Informed Pen-in-Hole Insertion Using Optical Sensors*, Eric Paulos and John Canny, **SPIE Sensor Fusion VI**, Boston, MA, 1993, (Full Paper).
2. *Accurate Insertion Strategies Using Simple Optical Sensors*, Eric Paulos and John Canny, **IEEE International Conference on Robotics and Automation**, San Diego, CA, 1994, (Full Paper).
3. *A World Wide Web Telerobotic Remote Environment Browser*, Eric Paulos and John Canny, **Fourth International World Wide Web Conference**, Boston, MA, 1995, (Full Paper).
4. *Delivering Real Reality to the World Wide Web via Telerobotics*, Eric Paulos and John Canny, **IEEE International Conference on Robotics and Automation**, Minneapolis, MN, 1996, (Full Paper).
5. *PRoP: Personal Roving Presence*, Eric Paulos and John Canny, **ACM SIGCHI**, Los Angeles, CA, 1998, (Full Paper, 23% acceptance rate).
6. *Designing Personal Tele-embodiment*, Eric Paulos and John Canny, **IEEE International Conference on Robotics and Automation**, Luven, Belgium, 1998, (Full Paper).
7. *Collaborative Online Teleoperation with Spatial Dynamic Voting and a Human Tele-Actor*, K. Goldberg, D. Song, Y. Khor, D. Pescovitz, A. Levandowski, J. Himmelstein, J. Shih, A. Ho, E. Paulos, and J. Donath), **IEEE International Conference on Robotics and Automation**, Washington D.C., 2002, (Full Paper).
8. *Connexus: A Communal Interface*, **ACM DUX: Designing for User Experiences**, Eric Paulos, San Francisco, CA, June 2003, (Short Paper).
9. *Mobile Play: Blogging, Tagging, and Messaging*, Eric Paulos, Panel Paper at **Ubiquitous Computing Conference**, Seattle, WA, October 2003.
10. *The Familiar Stranger: Anxiety, Comfort, and Play in Public Places*, Eric Paulos and Elizabeth Goodman, **ACM SIGCHI**, Vienna, Austria, April 2004, (Full Paper, 16% acceptance rate).
11. *Urban Probes: Encountering Our Emerging Urban Atmospheres*, Eric Paulos and Tom Jenkins, **ACM SIGCHI**, Portland, OR, April 2005, (Full Paper, 25% acceptance rate).
12. *Sashay: Designing for Wonderment*, Eric Paulos and Chris Beckmann, **ACM SIGCHI**, Montreal, Canada, April 2006, (Short Paper, 23% acceptance rate).
13. *AnyPhone: Mobile Applications for Everyone*, Eric Paulos, August Joki, Parul Vora, and Anthony Burke, **ACM DUX: Designing for User Experiences**, November 2007, (Short Paper).
14. *180 x 120: Designing Alternate Location Systems*, Eric Paulos, Anthony Burke, Tom Jenkins, and Karen Marcelo, **ACM DUX: Designing for User Experiences**, November 2007, (Short Paper).

15. *Objects of Wonderment*, Eric Paulos, Tom Jenkins, August Joki, and Parul Vora, **ACM DIS: Designing Interactive Systems**, February 2008, (Full Paper).
16. *A Vehicle for Research: Using Street Sweepers to Explore the Landscape of Environmental Community Action*, Paul Aoki, R.J. Honicky, Alan Mainwaring, Chris Myers, Eric Paulos, Sushmita Subramanian, and Allison Woodruff, **ACM SIGCHI**, Boston, USA, April 2009, (Full Paper, 25% acceptance rate), (**Nominated for Best Full Paper**) .
17. *inAir: Measuring and Visualizing Indoor Air Quality*, Sunyoung Kim and Eric Paulos, **Ubiquitous Computing Conference**, September 2009, (Note, 12% acceptance rate).
18. *It's Not All About Green: Energy Use in Low-income Communities*, Tawanna Dillahunt, Jennifer Mankoff, Eric Paulos, and Susan Fussell, **Ubiquitous Computing Conference**, September 2009, (Full Paper, 12% acceptance rate).
19. *Designing for Doubt Citizen Science and the Challenge of Change*, Eric Paulos, **Engaging Data**, Cambridge, October 2009.
20. *WearAir: Expressive T-shirts for Air Quality Sensing*, Sunyoung Kim, Eric Paulos, and Mark Gross, **Tangible Embedded and Embodied Interaction (TEI)**, Cambridge, January 2010, pp. 295-296.
21. *Home, Habits, and Energy: Deconstructing Domestic Interactions and Energy Consumptions*, James Pierce, Diane Schiano, and Eric Paulos, **ACM SIGCHI**, Atlanta, USA, April 2010, pp. 1985-1994, (Full Paper, 22% acceptance rate).
22. *inAir: Sharing Indoor Air Quality Measurements and Visualizations*, Sunyoung Kim and Eric Paulos, **ACM SIGCHI**, Atlanta, USA, April 2010, pp. 1861-1870, (Full Paper, 22% acceptance rate).
23. *UpStream: Motivating Water Conservation with Low-Cost Water Flow Sensing and Persuasive Displays*, Stacey Kuznetsov and Eric Paulos, **ACM SIGCHI**, Atlanta, USA, April 2010, pp. 1851-1860, (Full Paper, 22% acceptance rate).
24. *Personal, Public: Using DIY to explore citizen-led efforts in urban computing*, Solomon Bisker, Mark Gross, Donald Carter, Eric Paulos, Stacey Kuznetsov, **ACM SIGCHI**, Atlanta, USA, April 2010, pp. 3547-3552, (Extended Abstracts Paper).
25. *Materializing Energy: Designing Emotional Attachment to Energy*, James Pierce and Eric Paulos, **Design and Emotion (DE2010)**, 2010, (Poster/Paper) (**Best Paper Award**)
26. *Materializing Energy*, James Pierce and Eric Paulos, **ACM Designing Interactive Systems (DIS)**, August 2010, pp. 113-122, (Full Paper, 15% acceptance rate)
27. *Some Considerations on the (in)effectiveness of Residential Energy Feedback Systems for Interaction Design and HCI Energy*, James Pierce, Chloe Fan, Derek Lomas, Gabi Marcu, and Eric Paulos, **ACM Designing Interactive Systems (DIS)**, August 2010, pp. 244-247, (Short Paper, 15% acceptance rate)

28. *WallBots: Interactive Wall-Crawling Robots In the Hands of Public Artists and Political Activists*, Stacey Kuznetsov, Mark Gross, and Eric Paulos, **ACM Designing Interactive Systems (DIS)**, August 2010, pp. 208-217, (Full Paper, 15% acceptance rate)
29. *Participatory Sensing in Public Spaces: Activating Urban Surfaces with Sensor Probes*, Stacey Kuznetsov and Eric Paulos, **ACM Designing Interactive Systems (DIS)**, August 2010, pp. 21-30, (Full Paper, 15% acceptance rate)
30. *Understanding Conflict Between Landlords and Tenants: Implications for Energy Sensing and Feedback*, Tawanna Dillahunt, Jennifer Mankoff, Eric Paulos, **Ubiquitous Computing Conference**, September 2010, pp. 149-158, (Full Paper, 19% acceptance rate).
31. *Rise of the Expert Amateur: DIY Projects, Communities, and Cultures*, Stacey Kuznetsov and Eric Paulos, **ACM NordiCHI**, October 2010, pp. 295-304, (Full Paper, 27% acceptance rate)
32. *Citizen Energy: Towards Populist Interactive Micro-Energy Production*, Eric Paulos and James Pierce, Hawaii International Conference on System Science (HICSS) Kauai, USA, 2011, pp. 1-10, (Full Paper).
33. *Ceci N'est Pas Une Pipe Bombe: Challenges to Urban Authoring and Participatory Sensing*, Stacey Kuznetsov, George Noel Davis, Jian Chiu Cheung, and Eric Paulos, **ACM SIGCHI**, Vancouver, BC, May 2011, pp. 2375-2384, (Full Paper, 25% acceptance rate).
34. *Breaking Boundaries: Mentoring with Wearable Computing*, Stacey Kuznetsov, C. Kute, L Trutoiu, Iris Howley, Dan Siewiorek, and Eric Paulos, **ACM SIGCHI**, Vancouver, BC, May 2011, pp. 2957-2966, (Full Paper, 25% acceptance rate).
35. *Second-Hand Interactions: Investigating Re-acquisition and Dis-possession Practices around Domestic Possessions*, James Pierce and Eric Paulos, **ACM SIGCHI**, Vancouver, BC, May 2011, pp. 2385-2394, (Full Paper, 25% acceptance rate).
36. *A Phenomenology of Human-Electricity Relations*, James Pierce and Eric Paulos, **ACM SIGCHI**, Vancouver, BC, May 2011, pp. 2405-2408, (Short Paper, 25% acceptance rate) (**Best Note Nomination Award**).
37. *Practices in the Creative Reuse of e-Waste*, Sunyoung Kim and Eric Paulos, **ACM SIGCHI**, Vancouver, BC, May 2011, pp. 2395-2404, (Full Paper, 25% acceptance rate).
38. *Nurturing Natural Sensors*, Stacey Kuznetsov, William Odom, James Pierce, Eric Paulos, **Ubiquitous Computing Conference**, September 2011, pp. 227-236, (Full Paper, 16% acceptance rate), (**Best Paper Award**).
39. *Red Balloon, Green Balloon, Sensors in the Sky*, Stacey Kuznetsov, George Noel Davis, Eric Paulos, Mark Gross, Jian Chiu Cheung, **Ubiquitous Computing Conference**, September 2011, pp. 237-246, (Full Paper, 16% acceptance rate).

40. *Beyond Energy Monitors: Interaction, Energy, and Emerging Energy Systems*, James Pierce and Eric Paulos, **ACM SIGCHI**, Austin, TX, May 2012, pp. 665-674, (Full Paper, 23% acceptance rate).
41. *TimeBlocks: “Mom, can I have another block of time?”*, Eiji Hayashi, Nastasha Tan, Zhe Han Neo, Sriram Ramasubramanian, Martina, Rau, and Eric Paulos, **ACM SIGCHI**, Austin, TX, May 2012, pp. 1713-1716, (Note, 23% acceptance rate).
42. *A Subscription-based Authoring Tool for Mobile Citizen Science Campaigns*, Sunyoung Kim and Eric Paulos, **ACM SIGCHI**, Austin, TX, May 2012, pp. 2135-2140, (Extended Abstracts Paper).
43. *At the seams: DIYbio and opportunities for HCI*, Stacey Kuznetsov, Alex Taylor, Nick Villar, Tim Regan, and Eric Paulos, **ACM DIS**, Newcastle, UK, June 2012, pp. 258-267, (Full Paper, 20% acceptance rate).
44. *The Local Energy Indicator: Designing for Wind and Solar Energy Systems in the Home*, James Pierce and Eric Paulos, **ACM DIS**, Newcastle, UK, June 2012, pp. 631-634, (Full Paper, 20% acceptance rate).
45. *Designing Everyday Technologies with Human-Power and Interactive Microgeneration*, James Pierce and Eric Paulos, **ACM DIS**, Newcastle, UK, June 2012, pp. 602-611, (Full Paper, 20% acceptance rate).
46. *Sensr: Evaluating A Flexible Framework for Authoring Mobile Data-Collection Tools for Citizen Science*, Sunyoung Kim, Jennifer Mankoff, and Eric Paulos, **ACM Conference on Computer Supported Cooperative Work (CSCW)**, San Antonio, TX, USA, February 2013, Pages 1453-1462, (Full Paper, 35% acceptance rate).
47. *Electric Materialities: Approaching Electric Technology through the Theoretical Lens of Experience and Tangible Artifacts of Design*, James Pierce and Eric Paulos, **ACM SIGCHI**, Paris, France, April 2013, pp. 119-128, (Full Paper, 20% acceptance rate).
48. *inAir: A Longitudinal study of Indoor Air Quality Measurements and Visualizations*, Sunyoung Kim, Jen Mankoff, and Eric Paulos, **ACM SIGCHI**, Paris, France, April 2013, pp. 2745-2754, (Full Paper, 20% acceptance rate).
49. *Community Engagements with Living Sensing Systems*, Stacey Kuznetsov, Will Harrigan-Anderson, Haakon Faste, Scott E. Hudson, and Eric Paulos, **ACM Creativity and Cognition**, Sydney, Australia, June 2013, (Full Paper, 29% acceptance rate).
50. *A Low-Tech Sensing System for Particulate Pollution*, Stacey Kuznetsov, Scott Hudson, and Eric Paulos, **ACM Tangible, Embedded and Embodied Interaction (TEI)**, Munich, Germany, February 2014. (Full Paper, 27% acceptance rate)
51. *Exploring the Opportunities of Mobile Technology Use in Nonprofit Organizations*, Sunyoung Kim, Jennifer Mankoff, and Eric Paulos, **ACM SIGCHI**, Toronto, Canada, May 2014. (Work in Progress Paper)

52. *Counterfunctional Things: Exploring Possibilities in Designing Digital Limitations*, James Pierce and Eric Paulos, **ACM DIS**, Vancouver, B.C., Canada, June 2014. (Full Paper, 26% acceptance rate)
53. *Some Variations on a Counter-Functional Digital Camera*, James Pierce and Eric Paulos, **ACM DIS**, Vancouver, B.C., Canada, June 2014. (Pictorial Paper, 16% acceptance rate)
54. *ShrinkyCircuits: Sketching, Shrinking, and Formgiving for Electronic Circuits*, Joanne Lo and Eric Paulos, **ACM UIST**, Honolulu, Hawaii, October 2014. (Full Paper, 22% acceptance rate)
55. *Sensory Triptych: Here, Near, Out There*, Eric Paulos, Rundong Tian, Chris Myers, and Paxton Paulos, **ACM UIST**, Honolulu, Hawaii, October 2014. (Full Paper, 22% acceptance rate)
56. *Fl.UIs : Liquid-Mediated Vision Based Touch Surfaces*, Tim Campbell, César Torres, and Eric Paulos, **ACM TEI**, Stanford, CA, January 2015. (Note, 28% acceptance rate)
57. *The Obscura IC Digital Camera: A Counterfuntional Device*, James Pierce and Eric Paulos, **Biennial Research Through Design (RTD) Conference**, April 2015, (Full Paper, 15% acceptance rate).
58. *Making Multiple Uses of the Obscura IC Digital Camera: Reflecting on the Design, Production, Packaging and Distribution of a Counterfunctional Device*, James Pierce and Eric Paulos, **ACM SIGCHI**, April 2015, (Full Paper, 23% acceptance rate).
59. *DIYBio Things: Open Source Biology Tools as Platforms for Hybrid Knowledge Production and Scientific Participation*, Stacey Kuznetsov, Nathan Wilson, Scott Hudson, Carrie Doonan, Swarna Mohan Eric Paulos, **ACM SIGCHI**, April 2015. (Note, 23% acceptance rate).
60. *Exploring Barriers to the Adoption of Mobile Technologies for Volunteer Data Collection Campaigns*, Sunyoung Kim, Jen Mankoff, and Eric Paulos, **ACM SIGCHI**, April 2015, (Full Paper, 23% acceptance rate).
61. *Biological Citizen Publics: Personal Genetics as a Site of Scientific Literacy and Action*, Stacey Kuznetsov and Eric Paulos, **ACM Creativity & Cognition**, Glasgow, Scotland, June 2015. (Full Paper, 28% acceptance rate)
62. *MetaMorphe: Designing Dynamic 3D Models for Digital Fabrication*, César Torres and Eric Paulos, **ACM Creativity & Cognition**, Glasgow, Scotland, June 2015. (Full Paper, 28% acceptance rate)
63. *HapticPrint: Designing Feel Aesthetics for Digital Fabrication*, César Torres, Tim Campbell, Neil Kumar, and Eric Paulos, **ACM UIST**, November 2015, (Full Paper, 23% acceptance rate).
64. *I Don't Want to Wear a Screen: Probing Perceptions of and Possibilities for Dynamic Displays on Clothing*, Laura Devendorf, Joanne Lo, Noura Howell, Jung Lin Lee, Nan-Wei Gong, Mustafa Karagozler, Shiho Fukuhara, Ivan Poupyrev, Eric Paulos, and Kimiko

- Ryokai, **ACM SIGCHI**, May 2016, (Full Paper, 23% acceptance rate). **(Best Paper Award)**.
65. *MyPart: Personal, Portable, Accurate, Airborne Particle Counting*, Rundong Tian, Christine Dierk, Chris Myers, and Eric Paulos, **ACM SIGCHI**, May 2016, (Full Paper, 23% acceptance rate).
66. *ProxyPrint: Supporting Crafting Practice through Physical Computational Proxies*, César Torres, Eric Paulos, and Wilmont Li, **ACM DIS**, June 2016, (Full Paper, 23% acceptance rate). **(Best Paper Honorable Mention Award)**.
67. *Skin Conductance Display as Social Performance*, Noura Howell, Laura Devendorf, Rundong Tian, Tomás Vega Galvez, Nan-Wei Gong, Ivan Poupyrev, Eric Paulos, and Kimiko Ryokai, **ACM DIS**, June 2016, (Full Paper, 26% acceptance rate).
68. *Skintillates: Towards Epidermal Electronic Interactions*, Joanne Lo, Jung-Lin Lee, and Eric Paulos, **ACM DIS**, June 2016, (Full Paper, 26% acceptance rate). **(Best Paper Honorable Mention Award)**.
69. *Aesthetic Electronics: Designing, Sketching, and Fabricating through Digital Exploration*. Joanne Lo, César Torres, Isabel Yang, Jasper O’Leary, Mira Dontcheva, Wilmot Li, Danny Kaufman, and Eric Paulos. **ACM UIST**, October 2016, (Full Paper, 20% acceptance rate)
70. *Crowdclass: Designing Classification-based Citizen Science Learning Modules*, Doris Jung-Lin Lee, Joanne Lo, Moonhyok Kim, and Eric Paulos, **AAAI Conference on Human Computation and Crowdsourcing (HCOMP)**, November 2016, (Full Paper, 30% acceptance rate).
71. *AlterNail: Ambient, Batteryless, Stateful, Dynamic Displays at your Fingertips*, Christine Dierk, Tomás Vega Galvez, Eric Paulos, **ACM SIGCHI**, May 2017, (Note, 25% acceptance rate). \*\*\*\*\*
72. *Light as Material: An Aesthetic Development Tool for Physical Illumination Design*, César Torres, Jasper O’Leary, Molly Nicholas, and Eric Paulos, **ACM SIGCHI**, May 2017, (Full Paper, 25% acceptance rate).

## REFEREED CONFERENCE VIDEOS

1. *PRoP: Personal Roving Presence*, Eric Paulos and John Canny, Video Technical Program, **ACM SIGCHI**, Los Angeles, CA, 1998.
2. *Enabling Personal Tele-embodiment*, Eric Paulos and John Canny, Video Technical Program, **ACM Conference on Computer Supported Cooperative Work (CSCW)**, Seattle, WA, 1998.
3. *TimeBlocks: “Mom, can I have another block of time?”*, Eiji Hayashi, Nastasha Tan, Zhe Han Neo, Sriram Ramasubramanian, Martina, Rau, and Eric Paulos, **ACM SIGCHI**, Austin, TX, May 2012, (Full Video, 30% acceptance rate).



## REFEREED DEMONSTRATION AND INTERACTIVE PROJECTS

1. *Space Browsers: A Tool for Ubiquitous Tele-embodiment*, Eric Paulos and John Canny, **The Digital Bayou at ACM SIGGRAPH**, New Orleans, LA, August 1996.
2. *PRoP: Personal Roving Presence*, Eric Paulos and John Canny, **Electric Garden at ACM SIGGRAPH**, Los Angeles, CA August 1997.
3. *Jetsam: Exposing our Everyday Discarded Objects*, Eric Paulos and Tom Jenkins, Demonstration at **Ubiquitous Computing Conference**, Orange County, California, September 2006.
4. *Objects of Wonderment: Hullabaloo*, Eric Paulos and Tom Jenkins, Demonstration at **Ubiquitous Computing Conference**, Orange County, California, September 2006.
5. *Common Sense: Mobile Environmental Sensing Platforms to Support Community Action and Citizen Science*, Paul Aoki, R.J. Honicky, Alan Mainwaring, Chris Myers, Eric Paulos, Sushmita Subramanian, and Allison Woodruff, Demonstration at **Ubiquitous Computing Conference**, September 2008.

## DEMONSTRATION AND INTERACTIVE PROJECTS (NON-REFEREED)

1. *PRoPs: The Avatars Are Loose in the Hauptplatz!*, Eric Paulos and John Canny, **FleshFactor at Ars Electronica**, Linz, Austria, September 1997.
2. *Jabberwocky*, Eric Paulos and Elizabeth Goodman, **Spectropolios**, Lower Manhattan Cultural Council on Digital Futures, New York, October 2004.
3. *Critical Making*, Maker Faire, 18-19 May 2013.
4. *Critical Making*, **Best in Class Award**, Maker Faire, 18-19 May 2014.
5. *Critical Making*, **Three Editors Choice Awards**, Maker Faire, 15-17 May 2015.
6. *Critical Making*, **Maker of Merit Award**, National Maker Faire, 12-13 June 2015.
7. *HapticPrint: Designing Feel Aesthetics for Digital Fabrication*, César Torres, Tim Campbell, Neil Kumar, and Eric Paulos, **ACM UIST**, November 2015 (Demo).
8. *LiveObjects: Leveraging Theatricality for an Expressive Internet of Things*, César Torres, Jasper O’Leary, and Eric Paulos, **ACM DIS**, June 2016 (Demo).

## WORKSHOP PAPERS AS ORGANIZER (NON-REFEREED)

1. *Intimate Computing*, Genevieve Bell, Tim Brooke, Elizabeth Churchill, and Eric Paulos, Workshop organized at **Ubiquitous Computing Conference**, Seattle, WA, October 2003.
2. *UbiComp in the Urban Frontier*, Eric Paulos, Ken Anderson and Anthony Townsend, Workshop organized at **Ubiquitous Computing Conference**, Nottingham, UK, September 2004.

3. *Metapolis and Urban Life*, Eric Paulos, Ken Anderson, Michele Chang, and Anthony Burke, Workshop organized at **Ubiquitous Computing Conference**, Tokyo, Japan, September 2005.
4. *Ex-Urban Noir*, Ken Anderson, Anthony Burke, Eric Paulos, and Amanda Williams, Workshop organized at **Ubiquitous Computing Conference**, Orange County, California, September 2006.
5. *Pervasive Persuasive Technology and Environmental Sustainability*, Marcus Foth, Christine Satchell, Eric Paulos, Tom Igeo, and Carlo Ratti, Workshop **6th International Conference on Pervasive Computing**, Sydney, Australia, May 2008.
6. *Ubiquitous Sustainability: Citizen Science & Activism*, Eric Paulos, Marcus Foth, Christine Satchell, Younghui Kim, Paul Dourish, and Jaz Hee-jeong Choi Workshop organized at **Ubiquitous Computing Conference**, Seoul, South Korea, September 2008.
7. *DIY for CHI: Methods, Communities, and Values of Reuse and Customization*, Leah Buechley, Eric Paulos, Daniela Rosner, and Amanda Williams, Workshop organized at **ACM SIGCHI**, Boston, USA, April 2009.
8. *HCI, Politics and the City: Engaging with Urban Grassroots Movements for Reflection and Action*, Stacey Kuznetsov, William Odom, Eric Paulos, Carl DiSalvo, Vicki Moulder, and Ron Wakkary, Workshop organized at **ACM SIGCHI**, Vancouver, B.C., May 2011

#### **WORKSHOP PAPERS (NON-REFEREED)**

1. *Connexus: An Evocative Interface*, Eric Paulos, Workshop position paper for *Ad hoc Communications and Collaborations in Ubiquitous Computing Environments* at **ACM Conference on Computer Supported Cooperative Work (CSCW)**, New Orleans, LA, November 2002.
2. *Urban Atmospheres: Proactive Archeology of Our Urban Landscapes and Emerging Technology*, Eric Paulos and Tom Jenkins, Workshop position paper for *Representations of Digital Identities* at **ACM Conference on Computer Supported Cooperative Work (CSCW)**, Chicago, USA, November 2004.
3. *Volume 1, Issue 1, Urban Atmospheres*, Eric Paulos and Tom Jenkins, Workshop position paper for *Engaging the City: Public Interface and Civic Intermediary* at **ACM SIGCHI**, Portland, OR, April 2005.
4. *HCI Cannot be used to Evaluate Art*, Eric Paulos, Workshop position paper for *HCI and New Media Arts: Methodology and Evaluation* at **ACM SIGCHI**, April 2007.
5. *Place Based Ringtones*, Eric Paulos and Tom Jenkins, Workshop position paper for *Imaging the City* at **ACM SIGCHI**, April 2007.
6. *Urban Score: Measuring Your Relationship with the City*, Eric Paulos, Ian Smith, and Ben Hooker, Workshop position paper for *Design and Evaluation of Ambient Information Systems* at **Pervasive Computing Conference**, May 2007.

7. *RE: REempower and Recycle*, Eric Paulos, Ian Smith, and RJ Honicky, Workshop position paper for *Ubiquitous Sustainability: Technologies for Green Values* at **Ubiquitous Computing Conference**, September 2007.
8. *Sensing Atmosphere*, Eric Paulos, RJ Honicky, and Elizabeth Goodman, Workshop position paper for *Sensing on Everyday Mobile Phones in Support of Participatory Research* at **ACM SenSys**, November 2007.
9. *N-smarts: networked suite of mobile atmospheric real-time sensors*, Richard Honicky, Eric A. Brewer, Eric Paulos, Richard White, **Networked Systems for Developing Regions (NSDR) at SIGCOMM**, August 2008.
10. Building a simple, low-cost air quality sensor for monitoring indoor air quality, Sunyoung Kim and Eric Paulos, Workshop position paper for *DIY for CHI: Methods, Communities, and Values of Reuse and Customization* at **ACM SIGCHI**, April 2009.
11. Low-cost Water Sensor to Motivate Sustainable Water Use, Stacey Kuznetsov and Eric Paulos, Workshop position paper for *DIY for CHI: Methods, Communities, and Values of Reuse and Customization* at **ACM SIGCHI**, April 2009.
12. Listening to Air Quality, Sunyoung Kim and Eric Paulos, Workshop position paper for *Expressive Interactions for Sustainability and Empowerment Workshop*, October 2009.
13. Understanding e-Waste: How to Encourage Re-use and Longevity-of-use of Domestic e-Waste, Sunyoung Kim and Eric Paulos, Workshop position paper for *Examining Appropriation, Re-use, and Maintenance for Sustainability* at **ACM SIGCHI**, April 2010.
14. Materializing Energy in Everyday Life, James Pierce and Eric Paulos, Workshop position paper for *Examining Appropriation, Re-use, and Maintenance for Sustainability* at **ACM SIGCHI**, April 2010.

#### **POSITION PAPERS (NON-REFEREED)**

1. *Familiar Strangers: Pervasive Urban Computing*, Eric Paulos, **IEEE Pervasive**, February 2004.
2. Our Emerging Urban Atmospheres: Urban Probes and Familiar Strangers, Eric Paulos, **IEEE Pervasive Computing**, April 2005.
3. *Re-designing Everyday Interactions, Relationships, and Practices with Energy*, James Pierce and Eric Paulos, **Behavior, Energy and Climate Change Conference (BECC)**, November 2010.
4. *Pervasive Analytics and Citizen Science*. Cecilia Mascolo, Eric Paulos, John Canny, Editors and Introduction for *IEEE Pervasive Computing* special issue on Citizen Science 13(2): 18-19 (2014).

**CONFERENCE PRESENTATIONS: ABSTRACTS ONLY (NON-REFEREED)**

1. *Deconstructing Our Relationship with Familiar Strangers*, Eric Paulos and Elizabeth Goodman (Abstract Only), **Approaching the City**, University of Surrey, UK, January 2004.
2. *Participatory Urbanism*, Eric Paulos (Abstract Only), *Ubiquitous Media: Asian Transformations Theory, Culture and Society*, July 2007.

**INVITED PUBLICATIONS**

1. Our Emerging Urban Computing Landscape: Familiar Strangers, Eric Paulos, **Receiver Magazine**, Vodafone, UK, May 2004.
2. *Jabberwocky: Your Personal Compass*, Eric Paulos and Elizabeth Goodman, **Where 2.0**, San Francisco, USA, O'Reilly Network, June 2005.
3. *Urban Atmospheres*, Eric Paulos, Make Fest at the **Emerging Technologies Conference (ETech)**, O'Reilly Network, March 2006.
4. *Ex-Urban Noir Workshop Review*, Ken Anderson, Anthony Burke, Eric Paulos, and Amanda Williams, **IEEE Pervasive Computing**, Vol 6, Num 1, January-March 2007.
5. *Pervasive Computing and Environmental Sustainability: Two Conference Workshops*, Marcus Foth, Eric Paulos, Christine Satchell, Paul Dourish, **IEEE Pervasive Computing**, vol. 8, no. 1, pp. 78-81, January-March, 2009.
6. *Energy Mementos*. James Pierce and Eric Paulos, In Demo Hour. **ACM Interactions**. Volume 18 Issue 1, January + February 2011, Editors, Eric Stolterman and Ron Wakkary. ACM Press, New York, NY.
7. *Materializing energy and smart energy systems*, James Pierce and Eric Paulos, WiP in **IEEE Pervasive special issue on Smart Energy Systems**. January-March 2011 (vol. 10 no. 1) pp. 63-65.
8. *You Amateur!*, Eric Paulos, Featured Article, **ACM Interactions**. Volume 19 Issue 1, January + February 2012 . ACM Press, New York, NY.

**TECHNICAL REPORTS**

1. *On-line Collision Avoidance for Multiple Robots Using B-Splines*, Eric Paulos, Computer Science Technical Report (UCB/CSD-98-977), UC Berkeley, 1994.
2. *Tele-Actors: Tools for Collaborative Telepresence*, Eric Paulos, Ken Goldberg, David Pescovitz, UC Berkeley, Computer Science Technical Report (UCB/CSD-01-1135), 27 February 2001.
3. *Towards Digital Apprenticeship: Wearable Activity Recognition in the Workshop Setting*, Tim Campbell, Jonathan Harper, Bjoern Hartmann, and Eric Paulos, EECS Department, University of California, Berkeley, Tech. Rep. UCB/EECS-2015-172, July 2015.

**BOOK CHAPTERS**

1. *PRoPs: The Avatars Are Loose in the Hauptplatz!*, Eric Paulos and John Canny, **FleshFactor - Ars Electronica Festival 97**, SpringerWien, New York, 1997.
2. *Dispersion*, Eric Paulos, **CyberArts99, Prix Ars Electronic**, SpringerWien, New York, 1999.
3. *Tele-embodiment and Shattered Presence: Reconstructing the Body for Online Interaction*, John Canny and Eric Paulos, chapter contribution in **The Robot in the Garden: Telerobotics and Telepistemology in the Age of the Internet**, MIT Press, June 2000.
4. *Personal Tele-embodiment*, Eric Paulos and John Canny, chapter contribution in **Beyond Webcams: An Introduction to Online Robots**, MIT Press, Spring 2001.
5. *Mobile Persuasion for Everyday Behavior Change*, Sunny Consolvo, Ian Smith, and Eric Paulos, chapter contribution in **Mobile Persuasion: Perspectives on the Future of Influence**, Edited by B.J. Fogg, Captology Media Press, 2007.
6. *Citizen Science: Enabling Participatory Urbanism*, Eric Paulos, RJ Honicky, and Ben Hooker, chapter contribution in **Handbook of Research on Urban Informatics: The Practice and Promise of the Real-Time City**. Edited by Marcus Foth, Hershey, PA: Information Science Reference, IGI Global, 2008.
7. *Towards a Societal Scale Scientific Instrument*, RJ Honicky, Eric Brewer, and Eric Paulos, chapter contribution in **m-Science: Sensing, Computing and Dissemination**, Edited by Enrique Canessa, Marco Zennaro, International Center for Theoretical Physics, 2010.
8. *The Rise of the Expert Amateur: Citizen Science and Micro-Volunteerism*, Eric Paulos, Sunyoung Kim, and Stacey Kuznetsov, chapter contribution in **From Social Butterfly to Engaged Citizen**. Edited by Marcus Foth, MIT Press, 2012.

**BOOK CONTRIBUTIONS (NON-CHAPTERS)**

1. *Participatory Sensing*, contributed text and images for **Situated Technologies Pamphlet Series: Urban Computing and Its Discontents**, edited by Adam Greenfield and Mark Shepard, The Architectural League NY, 2007.
2. *Participatory Sensing*, contributed text and images for **Digital Art**, edited by Christiane Paul, Adjunct Curator of New Media Arts at the Whitney Museum of American Art in New York and lecturer in the Computer Arts department at the School of Visual Arts, New York, Thames Hudson, 2008.

**PATENTS (ISSUED)**

1. *Remote Collaborative Control and Direction* (with Ken Goldberg, Judith Donath, and David Pescovitz), 3 May 2011, U.S. Pat. No. 7,937,285.
2. *Portable Airborne Particle Counting Systems and Methods*, (with Rundong Tian, Chris Myers, Christie Dierk), U.S. Patent No.62/096,371, Dec 2014.

3. *Skintillates: Towards Epidermal Electronics Interactions*, (with Joanne Lo and Jung-Lin Lee), U.S. Provisional Patent Application No.62/174,735, June 2015.

#### **PATENTS (DISCLOSED)**

1. *Individually Addressable, Highly Efficient, Trifunctional Conductive Thread.*, (with Kimiko Ryokai, Joanne Lo, Laura Devendorf, Jung-Lin Lee, Nan-wei Gong, Karen Robinson, Ivan Poupyrev), June 2015.

#### **PATENTS (EXPIRED PROVISIONAL)**

1. *A System to Enhance Security of a Tele-Collaboration System* (with Mathew Fogarty and Chris Myers), 2001. (provisional patent)
2. *Remote Controlled Persistent Laser Pointer Imagery* (with Mathew Fogarty), 2001. (provisional patent)
3. *A System to Macro-Steer Movements from a Remote Location* (with Mathew Fogarty), 2001. (provisional patent)
4. *A System to Stabilize a Wearable Pointer* (with Mathew Fogarty), 2001. (provisional patent)
5. *A System to Coordinate a Zooming Camera with a Tele-Collaboration System Incorporating a Remote Laser Pointer* (with Mathew Fogarty), 2001. (provisional patent)
6. *A System to Control a Wearable Laser Pointer from a Remote Location* (with Mathew Fogarty), 2001. (provisional patent)
7. *A System to Control the Movements of a Remote Control Pointer* (with Mathew Fogarty), 2001. (provisional patent)
8. *Ambient Local and Remote Threat Indicator System*, 2002. (provisional patent)

#### **PHD DISSERTATION**

*Personal Tele-embodiment*, Eric Paulos, Ph.D. dissertation, University of California, Berkeley, Electrical Engineering and Computer Science, 2001.

#### **MS THESIS**

*Fast Construction of Near Optimal Probing Strategies*, Eric Paulos, M.S. Thesis, University of California, Berkeley, Electrical Engineering and Computer Science, 1999.

#### **JURIED AND INVITED ART EXHIBITIONS**

1. *Legal Tender* (with Ken Goldberg, Judith Donath, Mark Pauline, and John Canny), The Bridge Art Show, **SIGGRAPH**, New Orleans, USA, 4-9 August 1996.
2. *Legal Tender* (with Ken Goldberg, Judith Donath, Mark Pauline, and John Canny), Digital Dive, **Dutch Electronic Arts Festival (DEAF)**, Rotterdam, The Netherlands, September 1996.

3. *Personal Tele-embodiment Blimps*, Inaugural Opening Performance, **Whitney Biennial**, New York, USA, 19 March 1997.
4. *Inevitable Dilemmas of the Human Condition*, **New Fangle**, San Francisco, USA, 6-22 October 1998.
5. *Dispersion*, **Ars Electronica, Prix Award: Honorary Mention (2% acceptance rate)**, Linz, Austria, 4-7 September 1999.
6. *Limelight*, **International Symposium on Electronic Art (ISEA)**, Helsinki, Finland, August 2004.
7. *Limelight: Seeing is Deceiving*, **Chelsea Art Museum**, New York, USA, September – October 2004.
8. *Jabberwocky*, **Orange County Museum of Arts: New Media Lounge**, July – October 2004.
9. *Waiting for Bigfoot*, (Creative Technical Director with Jill Miller), Norwich Gallery's EAST 05 International Exhibition, (2 July – 20 Aug 2005).
10. *180x120* (with Anthony Burke and David Ross), **San Francisco Museum of Modern Art (SFMOMA)**, Performance, San Francisco, USA, 27 October 2005.
11. *Objects of Wonderment*, Urban Networks at **Art Interactive**, Cambridge, MA, USA, 9 June – 20 August 2006.
12. *Empowering Computing for Activism*, **Arte.Mov**, Brazil, November 2007.
13. *Citizen Science*, **MobileFest**, Brazil, December 2007.
14. *Collectors*, (Creative Technical Director with Jill Miller), 2nd Floor Projects, San Francisco, CA, (17 Nov 2007 – 6 Jan 2008).
15. *Atmosphere*, **VAPOR at Southern Exposure (SoEx)**, San Francisco, March 2008.
16. *Citizen Science*, **Toward the Sentient City** curated by Mark Shepard and organized by the Architectural League of New York at The Urban Center, New York City (17 Sep – 7 Nov 2009).
17. *The Milk Truck*, (Creative Technical Director with Jill Miller), 2011 Pittsburgh Biennial at the Andy Warhol Museum, (17 Sept – 10 Dec 2011).
18. *Energy Parasites*, *Ecologias Correlativas*, curated by chimera+, 319 Scholes Gallery, Brooklyn, New York (13 Oct – 27 Oct 2011).
19. *Energy Parasites*, **Ars Electronica, Prix Award: Honorary Mention (2% acceptance rate)**, Linz, Austria, 30 Aug – 6 Oct 2012.
20. *Energy Parasites*, **Artefact Art+Media Festival 2013**, Luven, Belgium (13 Feb – 24 Feb 2013).
21. *One Brown Shoe* (with Jill Miller), Artist Residency in Motherhood curated by Lenka Clayton, Pittsburgh, PA, USA, June-August 2013.

22. *Energy Parasites*, Artist as Catalyst, Alóndiga Exhibition in Bilbao, Spain, (5 July – 1 Oct 2013).
23. *Energy Parasites*, The Lab ITU Exhibition in Doha, Qatar, (7 – 10 Dec 2014).
24. *Sensory Triptych* (with Rundong Tian and Chris Myers), Pier 50 San Francisco, December 2013.
25. *The Free Speech Campanile* (with César Torres and Chris Myers), BCNM Salon, 11 September 2014.
26. *Sensory Triptych, MyPart, and Spectacle Computing* (with Rundong Tian, Stacey Kuznetsov, and Chris Myers), World Health Organization (WHO) Traveling Exhibition, Geneva, Manilla, Mexico City, and Addis Ababa, (June 2015 – October 2015).

### **ART PERFORMANCES (SELECTED)**

1. *Another One Bites the Dust*, John F. Land Jr., Orange County, CA, USA, April 1979.
2. *A Calculated Forecast of Ultimate Doom: Sickening Episodes of Widespread Devastation Accompanied by Sensations of Pleasurable Excitement* (with Mark Pauline / SRL), San Francisco, 28 May 1994.
3. *Live Riot at 10 Reasons to Riot* (with Kal Spelletich / Seemen), DNA Lounge, San Francisco, USA, April 1995.
4. *Telerobotic Interaction*, Wavelength, San Francisco, USA, April 1995.
5. *Terrorism Now at Terrorism 101* (with Kal Spelletich / Seemen), The Trocadero, San Francisco, USA, August 1995.
6. *Internet Intelligence with Robots*, Digitalis, San Francisco, USA, August 1995.
7. *Live Fiber at Fiber: A Transmedia Fashion Show and Celebration* (with Ani Phyo), San Francisco, USA, October 1995.
8. *Crime Voyeur at Crime Wave* (with Mark Pauline / SRL), San Francisco, USA, November 1995.
9. *Gazing through the Fence at Funhouse Installation* (with Mark Pauline / SRL), Wired Magazine Third Anniversary, San Francisco, January 1996.
10. *A Million Inconsiderate Experiments* (with Mark Pauline / SRL), Ice House Complex, Phoenix, AZ, January 1996.
11. *Delivering Real Reality via Telerobotics*, Blasthaus Gallery, San Francisco, USA, January 1996.
12. *Halloween Trick* (with Mark Pauline / SRL), Minna Street, San Francisco, USA, 31 October 1996.
13. *The Unexpected Destruction of Elaborately Engineered Artifacts* (with Mark Pauline / SRL), Austin, TX, 28 March 1997.



14. *Increasing the Latent Period in a System of Remote Destructibility* (with Mark Pauline / SRL), InterCommunication Center (ICC/NTT), Tokyo, Japan, 13 July 1997.
15. *PRoPs: The Avatars Are Loose in the Hauptplaz!* (with John Canny), Flesh Factor, Ars Electronica, Linz, Austria, 8-13 September 1997.
16. *Further Explorations in Lethal Experimentation* (with Mark Pauline / SRL), Opening Event, ZKM | Center for Art and Media Technology, Karlsruhe, Germany, 18 October 1997.
17. *Investigation of Mechanical Ambulation*, Near Future Event, Yerba Buena Center for the Arts, San Francisco, USA, 13 March 1998.
18. *What is Real?* (with Mark Pauline / SRL), San Francisco, USA, 25 June 1998.
19. *Internet Agitation and the Target Audience* (with RTMark/Yes Men), Symposium on Critical and Historical Issues in Net Art (CRASH) at University of California, Berkeley, Berkeley, CA, February 2000.
20. *Tactical Embarrassment*, Los Angeles Museum of Contemporary Art (MOCA), Los Angeles, CA, March 2000.
21. *Social Tele-embodiment: Understanding Presence*, Seminar on People, Computers, and Design, Stanford University, March 2000. (**Using the PRoP this was the first ever remote robot telepresence talk ever performed**).
22. *Robotics, Advanced Telepresence, and the Future of Human-Computer Interaction*, (with Ken Goldberg and David Pescovitz), **Rising Tide Summit**, New York, June 2000. (**First use of TeleActor System**).
23. *etoys Improvement System*, Los Angeles County Courthouse, Los Angeles, USA, 27 December 2000.
24. *SRL Berkeley Art Museum Show* (with Mark Pauline / SRL), Berkeley, USA, 12 November 2003.
25. *Ghostly Scenes of Infernal Desecration* (with Mark Pauline / SRL), San Jose, USA, 11 August 2006.
26. *Hullabaloo*, Maker Faire, 19-21 May 2007.
27. *A Complete Mastery of Sinister Forces: Employed With Callous Disregard to Produce Catastrophic Changes in the Natural Order of Events* (with Mark Pauline / SRL), NDSM Wharf, Amsterdam, Netherlands, 22 September 2007.
28. *Extreme Futurist Festival* (with Mark Pauline / SRL), Los Angeles, USA, 22 December 2012

**KEYNOTE TALKS**

1. *Situations, Actions, and Reactions to Our Emerging Urban Landscape*, Plenary Keynote at **Ciber@RT 2004: International Festival of New Technologies, Art, and Communication**, Bilbao, Spain, April 2004
2. *Environmental Computing*, Keynote talk at Imagination@Lancaster as part of the Social Technologies Summit and Environment 2.0 Summit at **Futuresonic 2007**, Manchester, UK, May 2007.
3. *Urban Computing and Life*, Keynote talk at **Digital Cities 5: Urban Informatics**, Locative Media and Mobile and Mobile Technology in Inner-City Developments at the International Conference on Communities and Technologies, Lansing, MI, June 2007.
4. *Urban Informatics*, Keynote talk at **International Symposium on Network Sensing**, Urban Lives, and Human Probes, Tokyo, Japan, June 2008
5. *Citizen Science and Citizen Energy*, Keynote talk at **Smart Salon: Energy + The City**, New York, USA, November 2009
6. *The Rise of the Expert Amateur: DIY Culture and Citizen Science*, Keynote talk at **ACM UIST**, Victoria, B.C., October 2009.
7. *Participatory Culture*, Keynote talk at 3M Corporation Headquarters, Executive Corporate Research Initiative, **3M Corporation**, May 2011.
8. *The New Role of Citizen Science and Civic Participation*, Keynote talk at Building Innovation through Partnerships: Environmental Protection Agency (EPA) Apps for the Environment Forum, **Environmental Protection Agency**, Nov 2011.
9. *DIY Culture and the Evolution of Computer Science*, Keynote talk at Architectural Support for Programming Languages and Operating Systems (**ASPLOS**), Houston, Texas, March 2013.
10. *Hybrid Ecologies: New Stratagems for Computing Culture*, Keynote talk at Tangible, Embedded, and Embodied Interaction (**TEI**), Munich, Germany, Feb 2014.
11. *Hybrid Urban Ecologies: Disobedient Objects, Unexpected Landscapes, and Human Wonderment*, Keynote talk at The First International Conference on IoT in Urban Space (**Urb-IoT**), Rome, Italy, Oct 2014.
12. *Cosmetic Computing, Fashioning Fashionables, and Epidermal Electronics: Towards a New Wearable Ecosystem*, Keynote talk at **ACM HotMobile**, Sonoma, CA, Feb 2017.

**FUNDING (SELECTED)**

1. **Sustainable Interaction with social Networks, context Awareness and Innovative Services (SINAIS)**, Information and Communication Technologies Institute, University of Portugal, 2008-2012
2. **Carnegie Mellon University Dean's Innovation Fund Award**, 2009.

3. **National Science Foundation (NSF)**, PI: Eric Paulos, *HCC: Small: Energy Materiality*, \$443,438 (2010-2013).
4. **The Heinz Endowment Grant**, PI: Eric Paulos, *Enabling Citizen Science*, 2010-2011, \$180,000.
5. **The Heinz Endowment Grant**, PI: Eric Paulos, *Pittsburgh Citizen Air Quality*, 2011, \$50,000.
6. **Cooper-Siegel Endowed Chair Grant**, PI: Eric Paulos, 2011-2012, \$10,000/year.
7. **The Heinz Endowment Grant**, PI: Eric Paulos, *Motivating and Evolving Citizen Science Applications and Public Experiences*, 2012, \$150,000.
8. **National Science Foundation (NSF), Social-Computing Systems (SoCS)**, PI: Eric Paulos, *Motivating Social and Participatory Models for Citizen Science*, \$750,000 (2012-2015).
9. **Nokia Research**, PI: Eric Paulos, *Mobile-Sensing and Micro-Volunteerism*, 2012, \$19,720.
10. **FX Palo Alto Laboratory**, PI: Eric Paulos, *Research Gift*, 2013, \$10,000.
11. **National Science Foundation (NSF), Computer Human Systems (CHS)**, PI: Eric Paulos, *EAGER: Toward the New Making Renaissance: Tools for Creative Making*, 2014, \$175,000.
12. **Google**, PIs: John DeNero, Armando Fox, Michael Franklin, Daniel Garcia, Bjoern Hartmann, and Eric Paulos, *Scaling Computer Science through Targeted Engagement*, 2015-2017, \$300,000/year for 3 years.
13. **Adobe Research**, PI: Eric Paulos, *Research Gift*, 2015, \$18,000.

#### CONFERENCES, SYMPOSIA, AND WORKSHOPS ORGANIZED

1. *Current Challenges in Internet Robotics*, Eric Paulos and Ken Goldberg, Workshop at **IEEE International Conference on Robotics and Automation**, Detroit, MI, May 1999.
2. *Intimate Computing*, Genevieve Bell, Tim Brooke, Elizabeth Churchill, and Eric Paulos, Workshop at **Ubiquitous Computing Conference**, Seattle, WA, October 2003.
3. Street Talk: An Urban Computing Happening, Eric Paulos, Berkeley, CA, July 2004.
4. *Urban After*, Eric Paulos, **Rx Gallery**, San Francisco, CA, July 2004.
5. *UbiComp in the Urban Frontier*, Eric Paulos, Ken Anderson, and Anthony Townsend, Workshop at **Ubiquitous Computing Conference**, Nottingham, UK, September 2004.
6. *Metapolis and Urban Life*, Eric Paulos, Ken Anderson, Michele Chang, and Anthony Burke, Two-Day Workshop at **Ubiquitous Computing Conference**, Tokyo, Japan, September 2005.

7. *Ex-Urban Noir*, Ken Anderson, Anthony Burke, Eric Paulos, and Amanda Williams, Two-Day Workshop at **Ubiquitous Computing Conference**, Orange County, California, September 2006.
8. *Interactive City Summit*, Eric Paulos and Anthony Burke, Two Day Summit for **International Symposium on Electronic Art**, San Francisco, USA, August 2006.
9. *Pervasive Persuasive Technology and Environmental Sustainability*, Marcus Foth, Christine Satchell, Eric Paulos, Tom Igeo, and Carlo Ratti, Workshop **6th International Conference on Pervasive Computing**, Sydney, Australia, May 2008.
10. *Ubiquitous Sustainability: Citizen Science & Activism*, Eric Paulos, Marcus Foth, Christine Satchell, Younghui Kim, Paul Dourish, and Jaz Hee-jeong Choi Workshop organized at **Ubiquitous Computing Conference**, Seoul, South Korea, September 2008.
11. *DIY for CHI: Methods, Communities, and Values of Reuse and Customization*, Leah Buechley, Eric Paulos, Daniela Rosner, and Amanda Williams, Workshop organized at **ACM SIGCHI**, Boston, USA, April 2009.
12. *HCI, Politics and the City: Engaging with Urban Grassroots Movements for Reflection and Action*, Stacey Kuznetsov, William Odom, Eric Paulos, Carl DiSalvo, Vicki Moulder, and Ron Wakkary, Workshop organize at **ACM SIGCHI**, Vancouver, B.C., May 2011.
13. *(DIY)biology and Opportunities for HCI*, Stacey Kuznetsov, Alex Taylor, Eric Paulos, Carl DiSalvo, and Tad Hirsch, Workshop organized at **ACM DIS**, Newcastle, UK, June 2012.
14. *Robots and New Media*, **Berkeley Center for New Media Symposium**, 4 April 2014.
15. Invention Clubhouse, Hands on Prototyping Workshop for **Berkeley Unified School District (BUSD) Elementary Children**, CITRIS Invention Lab, June 2014.
16. *New Making Renaissance: Programmable Matter and Things*, **Computing Research Association's (CRA) Computing Community Consortium (CCC) with the National Science Foundation (NSF)**, (with James Landay, Prabal Dutta, Elizabeth Mynatt, and David Culler), St. Helena, CA, 3-4 June 2014.
17. Invention Clubhouse, Hands on Prototyping Workshop for **Berkeley Unified School District (BUSD) Elementary Children**, CITRIS Invention Lab, June 2015.
18. Invention Clubhouse, Hands on Prototyping Workshop for **Berkeley Unified School District (BUSD) Elementary Children**, CITRIS Invention Lab, December 2016.

## PANELS ORGANIZED

1. Interfacing Reality: Exploring Emerging Trends between Humans and Machines, Eric Paulos, Panel Session, **ACM SIGGRAPH**, Los Angeles, CA, August 1997.
2. *Displaced Perceptions: Intriguing Questions on the Desires of Uninhibited Technology*, Eric Paulos, Keynote Panel, **Web98 Design and Development Conference and Exposition**, San Francisco, CA, June 1998.

3. *Mobile Play: Blogging, Tagging, and Messaging*, Eric Paulos, Keynote Panel, **Ubiquitous Computing Conference**, Seattle, WA, October 2003.
4. *Report on the ISEA2006 Interactive City Summit*, Eric Paulos, Panel Session, **International Symposium on Electronic Art (ISEA)**, San Jose, CA, August 2006.

#### INVITED TALKS (SELECTED)

1. *Legal Tender*, Digital Dive, **Dutch Electronic Arts Festival (DEAF)**, Rotterdam, The Netherlands, September 1996.
2. *Internet Telepresence and Art*, **University of California, Berkeley Art Department**, September 1996.
3. *Operating an R.O.V. Over the Internet*, Telerobotic Lecture Series, **NASA Ames**, Moffitt Field, CA, March 1997.
4. *Telepistemology and the Aesthetics of Telepresence*, Panel at **International Symposium on Electronic Art (ISEA)**, School of the Art Institute of Chicago, Chicago, IL, September 1997.
5. Investigation of Personal Tele-activities: Tele-embodiment, Tele-crime, and Tele-obliteration, **Center for Digital Arts and Design Department, UCLA**, Los Angeles, CA, December 1997.
6. *Beyond Computers* Interview, **National Public Radio**, June 1998.
7. *PRoPs: Towards Transparent Interfaces to the Real World*, **Berkeley Multimedia, Interfaces, and Graphics Seminar**, October 1998.
8. *PRoPs: Towards Transparent Interfaces to the Real World*, **Berkeley Multimedia Research Center Retreat**, January 1999.
9. Personal Tactical Technology: Dialogues and Demonstrations of Imminent Human-Machine Interfaces, **Cell Space**, San Francisco, CA, April 1999.
10. *Questioning the Human Machine Interface*, Keynote Panel Speaker, **IEEE International Conference on Robotics and Automation**, Detroit, MI, May 1999.
11. *Human Centered Telepresence*, **Human Centered Computing Retreat**, Tahoe, CA, July 1999.
12. Social Telepresence, PRoPs, and Avatars, **Xerox PARC**, July 1999.
13. *Vehicle Teleoperation Interfaces*, Workshop at **IEEE International Conference on Robotics and Automation**, San Francisco, CA, April 2000.
14. *Beyond Computers* Interview, **National Public Radio**, September 2000.
15. *Preliminary Report on DARPA/NSF Study on Human-Robot Interaction*, Two day workshop, **DARPA/NSF**, San Luis Obispo, CA, September 2001.

16. *Future Interactions*, **Center for Digital Arts and Design Department, UCLA**, Los Angeles, CA, December 2001.
17. *Post-Futurist, Tentacle Sessions* with David Pescovitz and Brad Wieners, San Francisco, CA, January 2002.
18. *Our Future Presence*, **Intel Lab**, Berkeley, CA, January 2002.
19. *Threat of Irrelevance*, **Rhizome LA**, Los Angeles, CA, February 2002.
20. *Know: How*, **IDEO**, Palo Alto, CA, February 2002.
21. *Digital Dialogues*, **Art Center College of Design**, Pasadena, CA, March 2002.
22. *The Art of Extreme Robotics*, **ZeroOne: Art and Technology Network**, San Jose, CA, March 2002.
23. *San Francisco Media Arts Council (SMAC) on Robotics and Art*, **San Francisco Museum of Modern Art (SFMOMA)**, San Francisco, CA, March 2002.
24. *Deconstructing Personal Telepresence*, **University of San Francisco**, San Francisco, CA, April 2002.
25. *Conversion / Diversion / Immersion*, **University of California, Santa Barbara**, Santa Barbara, CA, May 2002.
26. *Tele-Inside*, **MIT Media Lab**, Cambridge, MA, May 2002.
27. *Embodiment / Effect / Experience*, **Center for Digital Arts and Design Department, UCLA**, Los Angeles, CA, June 2002.
28. *Telepresence: Distortion, Distraction, Saturation*, **Industrial Design Society of America (IDSA)**, Monterey, CA, July 2002.
29. *Communal Interfaces*, **Accenture**, Palo Alto, CA, August 2002.
30. *Young People and New Technology*, Workshop at **Annenberg Center at USC**, Los Angeles, CA, September 2002.
31. *Unified Fields Summit on Science and Art*, **Western States Arts Federation (WESTAF)**, Aspen, CO, October 2002.
32. *Connexus: A Communal Interface*, **Intel Invited Form**, Hillsboro, OR, October 2002.
33. *Interaction, Awareness, and Community*, **MIT Media Lab Colloquium**, Cambridge, MA, December 2002.
34. *Connexus: Ambient Awareness Interfaces*, **Microsoft Research**, Redmond, WA, January 2003.
35. *Comfort and Competition*, **03.03.03: Collective Play**, UC Berkeley, Berkeley, CA, March 2003.
36. *Community, Competition, Collaboration, and Comfort*, **Intel Research Seattle**, Seattle, WA, March 2003.

37. *Smart Dust, Talk Tags, and Roboflies*, **O'Reilly Emerging Technology Conference**, San Francisco, CA, April 2003.
38. *Applying Sensor Networks into Wearable Fabrics*, **IEEE Expert Panel at Intel Developers Forum**, San Jose, CA, September 2003.
39. *Intimate and Urban Computing Designs*, **eBig technology Forum Invited Talk**, Emeryville, CA, December 2003.
40. *Designing Future Intimate and Urban Tools*, **Art Center College of Design**, Pasadena, CA, January 2004.
41. *Approaching the City Symposium*, **University of Surrey**, London, UK, January 2004.
42. *Intimate and Urban Computing*, **Intel Research Cambridge**, Cambridge, UK, January 2004.
43. Stanford Networking Research Center (SNRC) Industry Seminar Series, **Stanford University**, February 2004.
44. *Research Challenges in Urban Computing*, **Intel Research Seattle**, February 2004.
45. Urban Computing and Intimate Computing, **UC Berkeley IEOR**, March 2004.
46. Familiar Strangers, Situationist Spectacles, and Our Urban Computing Atmospheres, **UC Berkeley SIMS**, April 2004.
47. *Probing Our Urban Situations*, **San Francisco Art Institute Invited Lecture Series**, San Francisco, CA, April 2004.
48. *Plasmatica: 04.04.04*, UC Berkeley Center for New Media, April 2004.
49. *Familiar Strangers, Situationist Spectacles, and Our Urban Computing Atmospheres*, **San Francisco Arts Institute Invited Art and Technology Lecture Series**, May 2004.
50. Conflux Conference and Festival of Psychogeography, New York, NY, June 2004.
51. *Urban Robotics*, San Francisco Robotics Society Invited Lecture Series, San Francisco, CA, August 2004.
52. *Mapping Space – The Social Potential of Locative Media* Panel at **International Symposium on Electronic Art (ISEA)**, August 2004.
53. *Urban Life, New Geographies: Strategies for Deep Place*, San Francisco, CA, October 2004.
54. *People Computers Design Seminar*, **Stanford University**, December 2004.
55. *New Geography: Strategies for Deep Place*, **Institute for the Future**, October 2004.
56. *Media Theory and Practice*, **San Francisco Art Institute**, November 2004.
57. *Center for Design Initiative*, **British Consulate**, San Francisco, CA, November 2004.

58. *Mobile Urban Gaming Summit* by **Nokia Research Insight & Foresight**, Vancouver, B.C., November 2004.
59. *Location Based Media and Performance*, **San Francisco Art Institute**, December 2004.
60. *Media Arts Technology Seminar*, **UC Santa Barbara**, December 2004.
61. UC Berkeley / Intel Research Advisory Board Meeting, **Intel Research**, December 2004.
62. *Sociology Department Seminar Series*, **Stanford University**, December 2004.
63. *MIT New Century Cities Invited Symposium*, co-organized by MIT Center for Real Estate, City Design and Development, and Head Media Arts and Sciences, Cambridge, MA, January 2005.
64. *J.G. Ballard Quotes* book launch, **City Lights Books**, January 2005.
65. **Mobile Digital Commons Network Symposium**, (MDCN), Montreal, Canada, February 2005.
66. *Social Mobile Computing Symposium*, **Microsoft Research**, Redmond, WA, February 2005.
67. *FOILFest: Community Enabled Security*, US Government's Advanced Concepts Group at Sandia National Laboratory, Albuquerque, NM, March 2005.
68. HCI Symposium on Social/Mobile Computing, **Stanford University**, May 2005.
69. *Zoning and Grinding 05.05.05*, UC Berkeley Center for New Media, May 2005.
70. *Center for Internet Studies*, **University of Washington**, May 2005.
71. *Ethnography Research Panel*, **Intel Developer's Forum**, San Francisco, CA, July 2005.
72. *Location-Aware Computing Usage Adoption*, Workshop for **Mobility Group Strategic Planning at Institute for the Future**, Palo Alto, CA, September 2005.
73. International Conference on the Future Developments in the Art and Science of Social Mobile Communications, Hamburg, Germany, October 2005.
74. *Technology in Society and Urban Life*, **International Conference on Society for Social Studies of Science (4S)**, Discussant, Pasadena, CA, October 2005.
75. *Urban Sensing Symposium*, Center for Embedded Networked Sensing (CENS) at **UCLA**, May 2006.
76. Computer Science 247 Interaction Design Studio, **Stanford University**, February 2006.
77. Work Technology and Organization (WTO) Department of Management Science and Engineering (MS&E) Seminar Series, **Stanford University**, February 2006.
78. *Curatorial Studies*, **California Collage of Art (CCA)**, May 2006.
79. *Urban Computing*, California Collage of Art (CCA), May 2006.
80. **Dorkbot**, San Francisco, CA, July 2006.



81. *Interactive City Theme*, International Symposium on Electronic Art (ISEA), August 2006.
82. UC Berkeley / Intel Research Advisory Board Meeting, **Intel Research**, October 2006.
83. *Urban Computing*, **San Francisco Art Institute**, October 2006.
84. *Situated and Urban Technologies*, **New York Architectural League 125<sup>th</sup> year Anniversary Symposium**, New York, NY, October 2006.
85. Computer Science 247 Interaction Design Studio, **Stanford University**, January 2007.
86. Urban and Mobile Computing Strategies, **Accenture Research**, January 2007.
87. Center for Information Technology Research in the Interest of Society (CITRIS) Research Exchange Seminar, **UC Berkeley**, February 2007.
88. Microsoft Design Wise Speaker Series, **Microsoft Research**, March 2007.
89. Urban Professions Seminar in the Urban Studies Program, **Stanford University**, March 2007.
90. *Urban Design*, California Collage of Art (CCA), March 2007.
91. *Digital Public Life*, CADRE Institute at San Jose State University, April 2007.
92. *Urban Sensing*, **Institute for the Future**, April 2007.
93. *Urban Atmospheres*, **Yahoo Research**, April 2007.
94. Urban Participatory Computing, **MIT Media Lab**, April 2007.
95. *Participatory Life*, **IBM Almaden Research Center**, June 2007.
96. *Sensors for Everyone...Now!*, **O'Reilly Media FOO Camp**, Sebastopol, CA, June 2007.
97. **Dorkbot**, San Francisco, CA, October 2007.
98. *Sudden City*, California Collage of Art (CCA), October 2007.
99. Nokia's Mobile Mash-up 2007 Event, **Nokia Research**, November 2007.
100. *Urban Participation and Activism*, UC Berkeley CNM/INFO Course: Theory and Practice of Tangible User Interfaces, November 2007.
101. *Designing Urban Interactive Experiences*, UC Berkeley Computer Science Course: User Interface Design, Prototyping, and Evaluation, November 2007.
102. Empowering Computing for Activism, **Arte.Mov**, November 2007.
103. *Citizen Science*, **MobileFest**, November 2007.
104. *Urban Computing and Its Discontents*, book launch panel at **New York Architectural League**, New York, NY, December 2007.
105. Computer Science 247 Interaction Design Studio, **Stanford University**, January 2008.
106. Nokia's Research Invited Seminar Series, **Nokia Research**, February 2008.

107. Participatory Computing, HCII Seminar Series, Carnegie Mellon University, March 2008.
108. UC Berkeley Big Bang: New Media Symposium and Art Festival, **UC Berkeley**, June 2008.
109. **Dorkbot** Pittsburgh, October 2008.
110. Green Drinks Pittsburgh, January 2009.
111. *Urban Sensing and Activism*, **Stockholm University**, February 2009.
112. *Urban Sensing Life*, **Mobile Life VINN Excellence Center**, Stockholm, Sweden, February 2009.
113. *Enabling Citizen Science*, **ETech the O'Reilly Emerging Technology Conference**, March 2009.
114. Conference on Global Cohorts and Consortia, June 2009.
115. Art + Code Mobile, **Studio for Creative Inquiry**, October 2009
116. **Smart Salon: Energy + The City**, Wired Insider, November 2009.
117. University of North Carolina, Charlotte Visualization Center Distinguished Lecture. April 2010.
118. Sketching in Hardware, July 2010.
119. MIT Forum on Future Cities, Senseable Cities Lab, MIT, April 2011.
120. NSF Citizen Science Conference, New York, May 2011.
121. Annual Citizen Cyberscience Summit at the Royal Geography Society in London, February 2012.
122. Panel *Shaping Future Cities with Mobile Data* at South by Southwest (SXSW), March 2012.
123. *Hybrid Assemblages, Environments, And Happenings*, Center for Information Technology Research in the Interest of Society (CITRIS) Research Exchange Seminar, **UC Berkeley**, October 2012.
124. *Hybrid Assemblages, Environments, And Happenings*, **Seminar on People, Computers, and Design, Stanford University**, November 2012.
125. **UC Institute for Research in the Arts (UCIRA)** at UC Riverside, March 2013
126. **Stanford d.school** lecture for d.science course on Designing for Science, May 2013.
127. Sketching in Hardware, July 2013.
128. Creating Minds Conference at UC Berkeley, October 2013.
129. Wicked Problems Symposium, College of Environmental Design, UC Berkeley, October 2013.
130. Behavior Energy and Climate Conference (BECC), November 2013.

- 131.Design at Large Speaker Series, UCSD, November 2013.
- 132.**Dorkbot**, San Francisco, December 2013.
- 133.Leonardo Art/Science Evening Rendezvous (LASER), February 2014.
- 134.**Segal Design Institute Seminar** at Northwestern University, May 2014.
- 135.*Hybrid Ecologies: Disobedient Objects, Unexpected Landscapes, and Human Wonderment*, **Adobe Distinguished Lecture Series**, February 2015.
- 136.*Hybrid Assemblages, Environments, And Happenings*, **Google**, March 2015.
- 137.*Hybrid Ecologies: Disobedient Objects, Unexpected Landscapes, and Human Wonderment*, Media Arts Technology (MAT) Seminar, **UC Santa Barbara**, March 2015.
- 138.Questioning Aesthetics Symposium at Arts Research Center at UC Berkeley, March 2015.
- 139.Connecting Communities Collaborations, UC Davis, June 2015.
- 140.Program yoUr Future (PUF) to introduce minority middle school girls to the fields of computer science/STEM conducted at UC Berkeley, August 2015.
141. Innovation Council Speaker for UC Berkeley Vice Chancellor for Research in collaboration with the Deans of Haas School of Business, Engineering, and Boalt School of Law, August 2015.
142. Science@Cal Public Lecture series, UC Berkeley, September 2015.

## **PRESS**

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