

Stacey Kuznetsov

Human Computer Interaction Institute
Carnegie Mellon University
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Education

Ph.D., Human Computer Interaction (3rd year, 2008-present)

School of Computer Science, Human Computer Interaction Institute
Carnegie Mellon University, Pittsburgh, PA
Advised by Dr. Eric Paulos
NSF Graduate Research Fellow (2008-2011)

B.A., Double Major in Computer Science and Philosophy (2002-2006)

New York University, New York, NY
Suma Cum Laude (4.0/4.0 Computer Science GPA, 3.9/4.0 Overall GPA)

Professional Experience

Microsoft Research (May-August 2011)

Socio Digital Systems Group, Cambridge, UK.
Research Intern with Tim Regan and Alex Taylor

Google., Inc. (2006-2008)

76 9th Ave, New York, NY
Software engineer, search quality team

Aphrodisias Graeco-Roman Excavations (2004, 2005, 2006 field seasons)

Archaeological excavations and survey, Dandalaz Valley, Turkey
GIS researcher, compiled comprehensive GIS database and maps for Aphrodisias archaeological site in Turkey; developed predictive models to locate ancient sites

New York University Computer Science Department (2005-2006)

Courant Institute of Mathematical Sciences, 251 Mercer St, New York, NY
Research assistant, pursued projects in systems and user interfaces, sponsored by NSF

New York University Social Sciences and Statistics Group (2004-2005)

Elmer Holmes Bobst Library, 70 Washington Square, New York, NY
Open source GIS developer, integrated Google's Keyhole, ESRI ArcInfo, and GRASS

Caesar & Napoli, Attorneys at Law (2002-2004)

350 Broadway, New York, NY

Paralegal, researched, compiled and defended immigration cases

Refereed Conference Papers

Nurturing Natural Sensors. Stacey Kuznetsov, William Odom, James Pierce, Eric Paulos. *ACM UbiComp 2011* (16.6% acceptance rate)

Red balloon, green balloon, sensors in the sky. Stacey Kuznetsov, George Noel Davis, Eric Paulos, Mark D. Gross, Jian Chiu Cheung. *ACM UbiComp 2011* (16.6% acceptance rate)

Ceci N'est Pas Une Pipe Bombe: Authoring Urban Landscapes with Air Quality Sensors. Stacey Kuznetsov, George Noel Davis, Jian Chiu Cheung, Eric Paulos. *ACM SIGCHI 2011* (26% acceptance rate)

Breaking Boundaries: Strategies for Mentoring through Textile Computing Workshops. Stacey Kuznetsov, Laura Trutoiu, Casey Kute, Iris Howley, Dan Siewiorek, Eric Paulos. *ACM SIGCHI 2011* (26% acceptance rate)

Rise of the Expert Amateur: DIY Projects, Communities, and Cultures, Stacey Kuznetsov and Eric Paulos, *ACM NordiCHI 2010* (27% acceptance rate)

WallBots: Interactive Wall-Crawling Robots In the Hands of Public Artists and Political Activists, Stacey Kuznetsov, Eric Paulos, and Mark D. Gross, *ACM Designing Interactive Systems (DIS) 2010* (15% acceptance rate)

Participatory Sensing in Public Spaces: Activating Urban Surfaces with Sensor Probes, Stacey Kuznetsov and Eric Paulos, *ACM Designing Interactive Systems (DIS) 2010* (15% acceptance rate)

UpStream: Motivating Water Conservation with Low-Cost Water Flow Sensing and Persuasive Displays, Stacey Kuznetsov and Eric Paulos, *ACM SIGCHI 2010* (22% acceptance rate)

The Effectiveness of Haptic Cues as a Ubiquitous Memory Aid, Stacey Kuznetsov, Anind Dey, and Scott Hudson, *Pervasive Computing, 2009* (19% acceptance rate)

Rethinking the progress bar, Chris Harrison, Brian Amento, Stacey Kuznetsov, and Robert Bell, *ACM UIST 2007: Proceedings of the 20th annual ACM symposium on User interface software and technology* (19% acceptance rate)

Motivations of contributors to Wikipedia, Stacey Kuznetsov, *ACM SIGCAS Volume 36, Issue2, 2006*

Refereed Abstracts & Workshop Papers

WallBots: Activating Public Surfaces with Playful Interactive Wall-Crawling Robots, [Stacey Kuznetsov](#), Eric Paulos, Mark D. Gross and George Davis, *ACM NordiCHI 2010 Workshop*, Designing Robotic Artifacts with User- and Experience- Centered Perspectives

Bridging the Gap: Reconstructing Roman Aqueducts with GIS, [Stacey Kuznetsov](#), Ryan Hughes and Christopher Ratte, *Archaeological Institute of America Joint Annual Meeting 2009*, Proceedings on Aphrodisias, Turkey

Low-cost Water Sensor to Motivate Sustainable Water Use, [Stacey Kuznetsov](#), Eric Paulos, *ACM SIGCHI 2009 Workshop*, DIY for CHI: Methods, Communities, and Values of Reuse and Customization

Algorithms and optimizations for generating concise website titles, [Stacey Kuznetsov](#), Gunes Erkan, and Jeremy Silber, *Google Tech Talk 2008*

Book Chapters

The Rise of the Expert Amateur: Citizen Science and Neo-Volunteerism, Eric Paulos, Sunyoung Kim, [Stacey Kuznetsov](#). Chapter contribution in *From Social Butterfly to Engaged Citizen*. Edited by Marcus Foth, MIT Press, 2010 (in press)

Workshops Organized

HCI, Politics and the City: Engaging Grassroots Communities for Reflection and Action. [Stacey Kuznetsov](#), William Odom, Vicki Moulder, Carl DiSalvo, Tad Hirsch, Ron Wakkary, Eric Paulos. *ACM SIGCHI'11 Workshop* in Vancouver, Canada, May 7-8.

Teaching

Basic Interaction Design (Spring 2011)

Teaching Assistant for Eric Paulos and Haakon Faste

Students Supervised

George Noel Davis (2010-present)

Supervised independent study with Eric Paulos, designing and building networked air quality sensors

Jian Chiu Cheung (summer 2010)

Supervised independent study with Eric Paulos, designing visualizations for real-time sensor data

Service and Outreach

Mentoring through wearable computing (2010-present)

Organizing and leading workshops to introduce Gwen's Girls (an organization providing services to at-risk, low-income girls) to electronics as a creative and healing outlet

Women@SCS (2008-present)

Organizing presentations and workshops to introduce middle school girls to technology

Technical reviewer (2009-present)

CHI '09,'10, '11; TEI '10; DIS '10; UbiComp'11

Awards and Fellowships

National Science Foundation (2008 – 2011)

Graduate Research Fellowship

Graduate Student Small Project Help (GUSH)

Carnegie Mellon University, \$500 award

Ranieri Travel Grant (2006)

For travel expenses to Aphrodisias, Turkey

Computer Science Department Award (2006)

For Academic Excellence in the Honors Program (2006)

Columbia University (2000-2002)

Science Honors Program, New York, NY

Johns Hopkins University (1998, 2000)

Center for Talented Youth summer program, Baltimore, MD

NYU Merit Scholarship (2002-2006)

Young Math and Science Scholarship (2002)

National Merit Finalist (2000)

Selected Press

Slashdot (2010): "DIY Air Quality Balloons", August 6.

Gizmodo (2010): "Brighten Your Backyard with Air Quality Indicating Balloons", August 6.

BoingBoing (2010): "HOWTO: glowing balloons that show air quality", August 5.

Make Online (2010): "How-To: Glowing balloons change color to show air quality", Aug. 6

CMU (2010): "Air Quality Balloons", featured on Carnegie Mellon front page, summer 2010

Instructables (2010): "Air quality balloons", featured instructable, summer 2010

Inhabitat (2010): "DIY: Make Your Own Giant LED Balloons to Measure Air Quality",
August 6

Trendhunter (2010): "Glowing LED Balloons Air Quality Balloons Will Keep You Posted
on How Clean Your Air is", August 6

HacknMod(2010): “Illuminated LED Air Quality Check Balloons”, August 6
Instructables (2010): “Wallbots: Autonomous Magnetic Robots that Traverse Vertical Surfaces”, featured instructable, summer 2010
Robot Living (2009): “Wallbots”, August 11
Make Online (2009): “Wallbots: Robots that climb your fridge!”, August 10
Circuit Lake (2009): “Arduino Low Cost Water Flow Sensor”, June 29
Make Online (2009): “Low cost water sensor to motivate sustainable behavior”, August 26
Instructables (2009): “Low Cost Water Flow Sensor and Ambient Display”, featured instructable, fall 2009