

# JANET DAVIS

Associate Professor and Microsoft Chair of Computer Science

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## EDUCATION

### **Ph.D., Computer Science and Engineering, University of Washington, 2006.**

*Dissertation:* Engaging Citizens and Informing Decision-Making with an Urban Simulation System: A Value Sensitive Design Approach

*Advisors:* Alan Borning and Batya Friedman

### **M.S., Computer Science and Engineering, University of Washington, 2001.**

*Thesis:* Remote Event Passing: A Communication Mechanism for Pervasive Computing

*Committee:* Tom Anderson and Steve Gribble

### **B.S., Computer Science, Harvey Mudd College, 1999.**

## PROFESSIONAL EXPERIENCE

### **Whitman College**

Microsoft Chair of Computer Science November 2017–present

Associate Professor of Computer Science August 2015–present

### **Grinnell College**

Director, Wilson Program in Enterprise and Leadership August 2014–July 2015

Associate Professor of Computer Science May 2012–July 2015

Assistant Professor of Computer Science August 2006–April 2012

### **University of Washington**

Research Assistant, Center for Urban Simulation and Policy Analysis and Value Sensitive Design Lab 2003–2006

*Advisors:* Alan Borning and Batya Friedman

Research Assistant, Computer Networks 2001–2002

*Advisors:* Tom Anderson and David Wetherall

Research Assistant, one.world 1999–2001

*Advisor:* Tom Anderson; *Project lead:* Robert Grimm

Instructor Winter 2004

Teaching Assistant Spring 2005, Autumn 2002, Winter 2002, Autumn 2001, Autumn 2000

### **Institute for Pure and Applied Mathematics, University of California, Los Angeles**

Visiting Scholar, Large Scale Communication Networks Program Spring 2002

*Organizers:* David Donoho, John Doyle, Deborah Estrin, Kristina Lerman, and Walter Willinger

### **Harvey Mudd College**

Team Leader, Nuera Communications Clinic 1998–1999

*Advisor:* Ran Libeskind-Hadas

Undergraduate Researcher, Routing in Wormhole Networks Summer 1998

*Advisor:* Ran Libeskind-Hadas

## TEACHING

### **Computer Science, Whitman College**

Introduction to Computational Problem Solving (CS 167) 2016–2017

Elements of Computer Systems (CS 210) Spring 2016

Discrete Math & Functional Programming (CS/MATH 220) Fall 2016, 2017

Human-Computer Interaction (CS 267)	Fall 2015
Software Design (CS 370)	Spring 2017

**Computer Science, Grinnell College**

The Digital Age (CSC 105)	Spring 2012, 2013
Functional Problem Solving (CSC 151)	Fall 2006 – Spring 2009, Fall 2010 – Spring 2012, Fall 2013
Computer Organization and Architecture (CSC 211)	Fall 2011, 2013
Operating Systems & Parallel Algorithms (CSC 213)	Fall 2006, Fall 2010
Software Design (CSC 223)	Fall 2007
Human-Computer Interaction (CSC 295, 232)	Spring 2008, 2011, 2015
Software Development Principles and Practices (CSC 321, 2 credits)	Fall 2014, Spring 2015
Team Software Development for Community Organizations (CSC 322, 2 credits)	Fall 2014, Spring 2015
Databases and Web Application Development (CSC 325)	Fall 2012
Computer Networks (CSC 364)	Spring 2007, 2009, 2012
Special Topic: Value Sensitive Design (CSC/TEC 295)	Spring 2013
Special Topic: Health Care and Computing (CSC 295, 1 credit)	Fall 2011
Special Topic: Socio-Technical Issues in Computer Networks (CSC 295, 1 credit)	Fall 2010

**Interdisciplinary Courses, Grinnell College**

Evolution of Technology (TEC 154)	Spring 2007, 2009, 2011
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**First-Year Tutorials, Grinnell College**

The Mobile Phone and Human Values	Fall 2012
Technology and Place: Transportation, Communication, Computation	Fall 2008

**Undergraduate Computer Science, University of Washington**

Introduction to Computer-Communication Networks (CSE/EE 461)	
Instructor	Winter 2004
Teaching Assistant	Autumn 2001, Winter 2002
Introduction to Computer Programming (CSE 142), Teaching Assistant	Autumn 2000

**Graduate Computer Science, University of Washington**

Advanced Topics in Human-Computer Interaction (CSE 510), Teaching Assistant	Spring 2005
Computer Communication and Networks (CSE 561), Teaching Assistant	Autumn 2002

**GRANTS AND FELLOWSHIPS**

Louis B. Perry Summer Research Scholarship, with Andrew Harvey '20	Summer 2017
Janice M. and Kim T. Abraham Student-Faculty Research Grant, with Emma Twersky '17	Summer 2016
Grinnell College Innovation Grant: <i>Alumni Engagement Across the Curriculum</i> Mark Peltz (proposer), Jayn Chaney, Janet Davis, Karla Erickson, and Justin Thomas (co-proposers).	2014–2017
Grinnell College Harris Fellowship: <i>Towards Participatory Design of Persuasive Technology</i>	2009–2010
<i>Reformulating Media Computation with Functional Programming, Scripting, and Design Principles</i> National Science Foundation Course, Curriculum, and Laboratory Improvement (CCLI) program. Samuel A. Rebel-sky (PI), Janet Davis (co-PI), and Matthew Kluber (co-PI).	2007–2011
National Science Foundation Graduate Fellowship	1999–2003
National Merit Scholarship	1995–1999

**HONORS AND PROFESSIONAL SOCIETIES**

Senior Member of the Association for Computing Machinery (2013).

Member, Liberal Arts Computer Science (LACS) Consortium (2015–present).

Finalist, Technology Association of Iowa Women of Innovation Award, Academic Innovation and Leadership – Post-Secondary (2012).

Member of the ACM Special Interest Group on Computer-Human Interaction (SIGCHI), ACM Special Interest Group on Computer Science Education (SIGCSE), and ACM Special Interest Group on Computers and Society (SIGCAS).

Member of the IEEE Computer Society.

Graduated from Harvey Mudd College with High Honors, Distinction in Computer Science, Distinction in the Humanities and Social Sciences. Received Computer Science Class of '94 (Founding Class) Award and Computer Science Clinic Award.

#### SERVICE TO THE SCHOLARLY AND PROFESSIONAL COMMUNITY

Consortium for Computing Sciences in Colleges, Northwestern Regional Conference (CCSC-NW)

Reviewer 2016–2018

Program Chair 2017

Partners Chair 2016

Liberal Arts Computer Science (LACS) Consortium

Chair 2018

Host 2017

Secretary 2016

Program Committee, Conference on Persuasive Technology 2010, 2015–2017

Reviewer, SIGCSE Technical Symposium on Computer Science Education 2008–2017

Reviewer, ACM Conference on Human Factors in Computing Systems 2007–2014, 2016–2017

Reviewer, ACM Conference on Computer Supported Cooperative Work and Social Computing 2016

ACM SIGCHI U.S. Public Policy Committee 2008–2015

Chair 2010–2013

Ad-hoc reviewer, NSF IUSE 2014

Organizing Committee, Computing Research Association Chairs' Summit at Snowbird 2014

Program Workshop, AIT-Budapest Study Abroad in Computer Science and IT Entrepreneurship 2014

Advisory Board, Whitman College Computer Science 2014

Reviewer, Grace Hopper Celebration of Women in Computing scholarships 2009–2014

Reviewer, Participatory Design Conference 2014

Selection Committee, CRA Outstanding Undergraduate Researchers Awards 2013

Associate Editor, Persuasive Systems Track, European Conference on Information Systems 2013

NSF Grant Program Review Panel 2010

Reviewer for *IEEE Pervasive Computing* (2009), *IEEE Computer* (2009), *Transactions on Computer-Human Interaction* (2010), *Philosophy & Technology* (2011), *PLOS ONE* (2014), *Journal of the Association for Information Science and Technology* (2015), *Interacting with Computers* (2015, 2016), *ACM Inroads* (2018), *Communications of the ACM* (2018).

#### SERVICE TO WHITMAN COLLEGE

Chair, Department of Computer Science 2018–present

Director, Computer Science 2015–2017

Non-voting member, Academic Information Technology Advisory Group 2015–2017

Elected member, General Studies Committee Fall 2017

Chair, CS Search Committee	2015–2016
Participant, Faculty Mentoring Program	2015–2016

**SERVICE TO GRINNELL COLLEGE**

Wilson Program Committee	2013–2015
Co-Chair	2014–2015
Co-organizer, TEDxGrinnell	2014–2015
Faculty sponsor, Grinnell College Innovation Grant for the student Appdev Team	2014–2015
HHMI Grant Committee	2012–2015
Information Technology Assessment and Planning Committee	2010–2015
Technology Studies Concentration Committee	2007–2015
Chair	2008–2009, 2010–2014
Co-leader for Post-Graduate Success, Strategic Plan Implementation	2012–2015
Strategic Planning Steering Committee and Post-Graduate Success Working Group	2011–2012
Computer Science Representative, General Science Committee	2010–2013
Chair	2012–2013
Scholarship Selection Committee	2010–2012
Academic Advising Technology Working Group	2010–2011
Web Audit Committee	2010–2011
Eco-Campus Committee	2007–2009
Chair	2008–2009
Institutional Review Board	2008–2009
Gender and Women's Studies Concentration Committee	2007–2009
Social Coordinator, Early Career Faculty Group	2007–2008

**SERVICE TO DIVERSITY**

Participant, Seminar on Inclusive Teaching with Mary James	May 2017
Participant, Seminar on Supporting First Generation Students	May 2016
Organized student travel to the Richard Tapia Celebration of Diversity in Computing	September 2016
Panelist, Mission Creek Innovation Conference	April 2015
Led Liberal Arts Colleges Association for Faculty Inclusion (LACAFI) sponsorship of the Grace Hopper Celebration of Women in Computing	2011, 2013, 2014
Organized student travel to the the Grace Hopper Celebration of Women in Computing	2009, 2010, 2011, 2013, 2014
Co-Director, Grinnell Science Project	2007, 2010, 2011

**PROFESSIONAL DEVELOPMENT (SINCE 2006)**

Cross-Disciplinary Teaching and Learning Initiative: The Moving Image, Whitman College	June–July 2018
Professor's Open Source Software Experience (POSSE) Workshop, Drexel University	June 2016
Designing the Digital Future: A Human-Centered Approach to Informatics, Obermann Working Symposium, University of Iowa	November 2014
Workshop on Teaching with Technology and Technology Studies, Grinnell College – Co-leader	August 2014
Computing Research Association Chairs' Summit, Snowbird, UT	July 2014
Workshop on Metacognition, Grinnell College	July 2013

Workshop on Alumni-Enriched Courses, Grinnell College	May 2013
Workshop for Tutorial Instructors, Grinnell College	July 2012
Intermediate Science Workshop, Grinnell College	June 2012
Workshop on Engineering Projects in Community Service (EPICS), Purdue University	May 2012
Workshop on Policy Studies & Interdisciplinarity, Grinnell College	June 2011
Workshop on Food Choices, Grinnell College	July 2010
Workshop on Concepts of Power, Grinnell College	May 2010
National Science Foundation Day, University of Iowa	October 2009
Portfolio Project, Grinnell College	May 2009
CRA-W Career Mentoring Workshop, Chattanooga, TN	March 2009
Written and Oral Communication in the Tutorial, Grinnell College	June 2008
Liberal Arts in the 21 <sup>st</sup> Century, Grinnell College	May 2007
Workshop on Technology Studies, Grinnell College	May 2007
Workshop on Interdisciplinary Teaching, Grinnell College	August 2006
New Faculty Workshop, Midstates Science and Mathematics Consortium	July 2006, July 2007

#### WORKS IN PRESS

Janet Davis. "Persuasive technology." To appear in B. Friedman, D. Hendry, & A. Borning (Eds.), *Value Sensitive Design: Shaping Ways of Being with Technology*. MIT Press, spring 2019.

#### PEER-REVIEWED, ARCHIVAL PUBLICATIONS

Janet Davis and Sandra Burri Gram-Hansen. "Participation in Design for Sustainability." M. Hazas & L. Nathan (Eds.), *Digital Technology and Sustainability: Embracing the Paradox*, 166-178. Routledge Press, 2018.

Eric Hsu\*, Janet Davis, and Kate Jackson. "Using Spreadsheet Software to Create a Multi-access Key for Central and Western African Snakes." *Herpetological Review* 48(4), 747-756, 2017.

Janet Davis and Christine Alvarado. "Supporting undergraduates to make the most of conferences." *ACM Inroads* 8(3): 32-35, September 2017.

Emma Twersky\* and Janet Davis. "Don't Say That! An analysis of persuasive systems in the wild." In P.W. de Vries, H. Oinas-Kukkonen, L. Siemons, N. Beerlage-de Jong, L. van Gemert-Pijnen (Eds.), *Proceedings of the 12th International Conference on Persuasive Technology (PERSUASIVE 2017)*, LNCS 10171, Springer, 215-226. Amsterdam, The Netherlands, April 4-6, 2017. (27% acceptance rate.)

Jonathan Lazar, Julio Abascal, Simone Barbosa, Jeremy Barksdale, Batya Friedman, Jens Grossklags, Jan Gulliksen, Jeff Johnson, Tom McEwan, Loc Martnez-Normand, Wibke Michalk, Janice Tsai, Gerrit van der Veer, Hans von Axelson, Ake Walldius, Gill Whitney, Marco Winckler, Volker Wulf, Elizabeth F. Churchill, Lorrie Cranor, Janet Davis, Alan Hedge, Harry Hochheiser, Juan Pablo Hourcade, Clayton Lewis, Lisa Nathan, Fabio Paterno, Blake Reid, Whitney Quesenbery, Ted Selker, and Brian Wentz. "HumanComputer Interaction and International Public Policy-making: A Framework for Understanding and Taking Future Actions." *Foundations and Trends HumanComputer Interaction*: Vol. 9: No. 2, pp 69 -149, May 2016. <http://dx.doi.org/10.1561/11000000062>.

Bran Knowles and Janet Davis. "Is Sustainability a Special Case for Persuasion?" *Interacting with Computers*, February 2016. doi: 10.1093/iwc/iww005.

Janet Davis and Lisa P. Nathan. "Value Sensitive Design: Applications, Adaptations, and Critiques." I. van de Poel, P. Vermaas, & J. van den Hoven (Eds.), *Ethics and Values in Technological Design*, Springer Reference Works, January 2015.

Nediyana Daskalova<sup>†</sup>, Nathalie Ford<sup>†</sup>, Ann Hu<sup>†</sup>, Kyle Moorehead<sup>†</sup>, Benjamin Wagon<sup>†</sup>, and Janet Davis. "Informing Design of Suggestion and Self-Monitoring Tools through Participatory Experience Prototypes." In A. Spagnolli, L.

\*Whitman student or alumna/us.

<sup>†</sup>Grinnell student or alumna/us.

- Chittaro, L. Gamberini (Eds.) *Proceedings of the 9th International Conference on Persuasive Technology (PERSUASIVE 2014)*, LNCS 8462, Springer, 68-79. Padua, Italy, May 21-23, 2014. (36% acceptance rate.)
- Samuel A. Rebelsky, Janet Davis, and Jerod Weinman. "Building Knowledge and Confidence with Mediascripting - A Successful Interdisciplinary Approach to CS1." In *Proceedings of the 2013 SIGCSE Annual Technical Symposium on Computer Science Education*, Denver, Colorado, March 6-9, 2013. (38% acceptance rate.)
- Janet Davis. "Early Experiences with Participation in Persuasive Technology Design." In *Proceedings of the 12th Participatory Design Conference (PDC 2012)*, Roskilde, Denmark, August 16, 2012. (21% acceptance rate.)
- Chase Felker<sup>†</sup>, Radka Slamova<sup>†</sup>, and Janet Davis. "Integrating UX + Scrum in an Undergraduate Software Development Project." In *The 43rd ACM Technical Symposium on Computer Science Education (SIGCSE 2012)*, Raleigh, North Carolina, USA, March 2, 2012. (35% acceptance rate.)
- Janet Davis and Henry Walker. "Incorporating Social Issues of Computing in a Small, Liberal Arts College: A Case Study." In *Proceedings of the 42nd ACM Technical Symposium on Computer Science Education (SIGCSE 2011)*, Dallas, Texas, USA, March 10, 2011. (34% acceptance rate.)
- Janet Davis. "Generating Design Directions for Persuasive Technology through the Inspiration Card Workshop." In *PERSUASIVE 2010, the Fifth International Conference on Persuasive Technology*, Copenhagen, Denmark, June 7-10, 2010. (30% acceptance rate.)
- Alan Borning, Batya Friedman, Janet L. Davis, Brian T. Gill, Peter H. Kahn, Jr., Travis Kriplean and Peyina Lin. "Public participation and value advocacy in information design and sharing: Laying the foundations in advance of wide-scale public deployment." *Information Polity*, 14(1-2), 2009, 61-74.
- Samuel Mann, Logan Muller, Janet Davis, Claudia Roda, and Allison Young. "Computing and Sustainability: Evaluating Resources for Educators." *inroads - SIGCSE Bulletin* 41(4): 144-155, December 2009.
- Janet Davis. "Design Methods for Ethical Persuasive Computing." In *PERSUASIVE 2009, the Fourth International Conference on Persuasive Technology*, Claremont, California, April 27-29, 2009. (30% acceptance rate.)
- Janet Davis. "Experiences with Just-in-Time Teaching in Systems and Design Courses." In *SIGCSE 2009 Technical Symposium on Computer Science Education*, Chattanooga, Tennessee, March 4-7, 2009. (33% acceptance rate.)
- Batya Friedman, Alan Borning, Janet Davis, Brian Gill, Peter Kahn, Travis Kriplean, and Peyina Lin. "Laying the Foundations for Public Participation and Value Advocacy: Interaction Design for a Large Scale Urban Simulation." *Proceedings of the 9th Annual International Conference on Digital Government Research (dg.o 2008)*, Montréal, Canada, May 2008. (34% acceptance rate.)
- Janet Davis. "Engaging and Informing Citizens with Household Indicators." In *Proceedings of the Hawai'i International Conference on System Sciences (HICSS-41)*, Waikoloa, Hawaii, January 7-10, 2008. (~50% acceptance rate.)
- Janet Davis and Samuel A. Rebelsky. "Food-First Computer Science: Starting the First Course Right with PB&J." In *Proceedings of the 38th SIGCSE Technical Symposium on Computer Science Education*, Covington, KY, March 7-10, 2007. (34% acceptance rate.)
- Janet Davis, Peyina Lin, Alan Borning, Batya Friedman, Peter H. Kahn, Jr., and Paul Waddell, "Simulations for Urban Planning: Design for Human Values." *IEEE Computer* 39(9): 66-72, September 2006.
- Janet Davis and Tammy VanDeGrift. "The Journey to a Teaching-Oriented Faculty Career: A Handbook of Advice for Graduate Students." In *Proceedings of the 2006 ASEE Annual Conference and Exposition*, June 2006. (~30% acceptance rate.)
- Alan Borning, Batya Friedman, Janet Davis, and Peyina Lin. "Informing Public Deliberation: Value Sensitive Design of Indicators for a Large-Scale Urban Simulation." In *Proceedings of the 9th European Conference on Computer-Supported Cooperative Work*, Paris, September 2005. (19% acceptance rate.)
- Robert Grimm, Janet Davis, Eric Lemar, Adam MacBeth, Steven Swanson, Thomas Anderson, Brian Bershad, Gaetano Borriello, Steven Gribble, and David Wetherall. "System Support for Pervasive Applications." *ACM Transactions on Computer Systems*, 22(4):421-486, November 2004.
- A.J. Brush, Morgan Ames, and Janet Davis. "A Comparison of Synchronous Remote and Local Usability Studies for an Expert Interface." In *Extended Abstracts of CHI 2004, ACM Conference on Human Factors in Computing Systems*, Vienna, April 2004. (32% acceptance rate)
- Robert Grimm, Janet Davis, Ben Hendrickson, Eric Lemar, Adam MacBeth, Steven Swanson, Tom Anderson, Brian Bershad, Gaetano Borriello, Steven Gribble, and David Wetherall. "Systems Directions for Pervasive Computing." In *Proceedings of the 8th Workshop on Hot Topics in Operating Systems (HotOS-VIII)*, pages 147-151, Elmau, Germany, May 2001.

Benjamin Barden, Janet Davis, Ran Libeskind-Hadas, and William W. Williams. “On Edge-Disjoint Spanning Trees in Hypercubes.” *Information Processing Letters*, 70(1):13-16, April 16, 1999.

#### PEER-REVIEWED PRESENTATIONS

Janet Davis (moderator), Valerie Galuzzi, Nery Chapeton-Lamas, and Peter-Michael Osera. “Finding your kind of teaching school: Different paces at different places.” Presented at the *ACM Richard Tapia Celebration of Diversity in Computing*, Austin, TX, September 14-17, 2016.

Janet Davis. “Reframing Persuasive Technology for Sustainability .” Presented at the workshop on “Design patterns, principles, and strategies for Sustainable HCI” at the *ACM Conference on Human Factors in Computer Systems (CHI 2016)*, San Jose, CA, May 7-8, 2016.

Christine A. Shannon, James Kiper, Samuel A. Rebelsky, Janet Davis (moderator). ”Engaging CS Alumni from Afar.” Panel at the *ACM Technical Symposium on Computer Science Education (SIGCSE 2016)*, March 2-5, Nashville, KY

Janet Davis (moderator), Sorelle Friedler, Sherri Goings, Darakhshan Mir, Cynthia Taylor. “Diverse Paths to Teaching and Research at Liberal Arts Colleges.” Panel at the 2015 Grace Hopper Celebration of Women in Computing (GHC 2015), October 14-16, Houston, TX.

Janet Davis, Christine Alvarado, Miranda C. Parker, Jennelle Nystrom<sup>†</sup>. “Preparing Undergraduates to Make the Most of Attending CS Conferences.” Birds-of-a-Feather session at the *ACM Technical Symposium on Computer Science Education (SIGCSE 2015)*, Kansas City, Missouri, March 4-7, 2015.

Debra Lee Davis, David Berque, Janet Davis, Matt Jadud, and Paul Resnick. “Including HCI and user experience (UX) methodologies in computing curriculum.” Birds-of-a-Feather session at the *ACM Technical Symposium on Computer Science Education (SIGCSE 2014)*, Atlanta, Georgia, March 6-8, 2014.

Janet Davis, Christine Alvarado, Tzu-Yi Chen, Amy Czismar-Dalal, and Sohie Lee. “Faculty Careers at Liberal Arts Colleges: Myths and Realities.” Panel at the *Grace Hopper Celebration of Women in Computing (GHC 2013)*, Minneapolis, Minnesota, October 2-5, 2013.

Debra Lee Davis, Kip Irvine, David Berque, Janet Davis, Brian Dorn, and Matt Jadud. “Including HCI and user experience (UX) methodologies in computing curriculum.” Birds-of-a-Feather session at the *ACM Technical Symposium on Computer Science Education (SIGCSE 2013)*, Denver, Colorado, March 6-9, 2013.

Juan Pablo Hourcade, Natasha Bullock-Rest, Janet Davis, Lahiru Jayatilaka, Neema Moraveji, Lisa Nathan, and Panayiotis Zaphiris. “HCI for Peace—Preventing, De-Escalating, and Recovering from Conflict.” Workshop at the *ACM Conference on Human Factors in Computer Systems (CHI 2012)*, Austin, TX, May 5-10, 2012. (62% acceptance rate.)

Marge Coahran and Janet Davis. “Circuits and Microcontrollers in Computer Organization Laboratories.” Workshop at the *ACM Technical Symposium on Computer Science Education (SIGCSE 2012)*, Raliegh, North Carolina, USA, February 29 - March 3, 2012. (46% acceptance rate.)

Scott Kaitz<sup>†</sup> and Janet Davis. “Facebook Support Groups: Toward Understanding Member Usage.” Presented at the *Sixth International Conference on Persuasive Technology (PERSUASIVE 2011)*, Columbus, OH, June 2-5, 2011.

Janet Davis. “From Ethics to Values in the Design of Mobile PINC.” Presented at “The 2nd International Workshop on Persuasion, Influence, Nudge & Coercion through mobile devices” at the *ACM Conference on Human Factors in Computer Systems (CHI 2011)*, Vancouver, May 8-13, 2011.

Janet Davis. “Workshop on Ethics of Persuasive Technology: Envisioning Systemic Impacts.” Workshop at the *Fifth International Conference on Persuasive Technology (PERSUASIVE 2010)*, Copenhagen, Denmark, June 10, 2010.

Janet Davis. “Participatory Design for Sustainable Campus Living.” Work-in-progress in *CHI 2010 Extended Abstracts on Human Factors in Computing Systems*, Atlanta, April 14-15, 2010. (26% acceptance rate.)

Janet Davis. “Applying the Inspiration Card Workshop.” Presented at the workshop on “Bridging the Gap: Moving from Contextual Analysis to Design” at the *CHI 2010 Conference on Human Factors in Computing Systems*, Atlanta, April 10, 2010.

Timothy M. Miller<sup>†</sup>, Patrick Rich<sup>†</sup>, and Janet Davis. “ADAPT: Audience Design of Ambient Persuasive Technology.” Work-in-progress in *CHI 2009 Extended Abstracts on Human Factors in Computing Systems*, Boston, April 4–9,

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<sup>†</sup>Grinnell student or alumna/us.

2009. (34% acceptance rate.)

- Janet Davis. “Early Experiences with Participatory Design of Ambient Persuasive Technology.” Presented at the workshop on “Defining the Role of HCI in the Challenges of Sustainability” at the *CHI 2009 Conference on Human Factors in Computing Systems*, Boston, April 5, 2009.
- Richard Brown, Janet Davis, Samuel A. Rebelsky (moderator), Brian Harvey. “Whither Scheme? 21st Century Approaches to Scheme in CS1.” Panel at the *SIGCSE 2009 Technical Symposium on Computer Science Education*, Chattanooga, Tennessee, March 4–7, 2009.
- Matthew Kluber, Janet Davis, Samuel A. Rebelsky. “Workshop 21: MediaScripting: Media Computation In Context.” Workshop at the *SIGCSE 2009 Technical Symposium on Computer Science Education*, Chattanooga, Tennessee, March 6, 2009.
- Soren Berg<sup>†</sup>, Janet Davis, and Samuel A. Rebelsky. “MediaScripting: Introductory Computer Science with a Free and Open-Source Graphics Application.” *Free and Open Source Software (FOSS) Symposium 2009: Integrating FOSS into the Undergraduate Computing Curriculum*, Chattanooga, Tennessee, March 4, 2009.
- Timothy M. Miller<sup>†</sup>, Patrick Rich<sup>†</sup>, and Janet Davis. “ADAPT: Audience Design of Persuasive Technology.” In “Pervasive Computing Approaches to Environmental Sustainability,” ed. Anthony D. Joseph. *IEEE Pervasive Computing* 8(1): 54-57, January - March 2009.
- Janet Davis. “Towards Participatory Design of Ambient Persuasive Technology.” Presented at “Persuasive Pervasive Technology and Environmental Sustainability,” Workshop at the *Sixth International Conference on Pervasive Computing (Pervasive 2008)*, Sydney, Australia, May 19–22, 2008.
- Janet Davis, Jeannie Albrecht, Melissa O’Neill, Megan Thomas. “Making the Transition to a Teaching-Oriented Institution.” Panel at the *Grace Hopper Celebration of Women in Computing 2007*, Orlando, October 17–20, 2007.
- Janet Davis, Ruth Anderson, Cheryl D. Seals, Megan Thomas, Tammy VanDeGrift. “The Journey to a Teaching-Oriented Faculty Position.” Panel at the *Grace Hopper Celebration of Women in Computing 2006*, San Diego, October 4–7.
- Janet Davis. “Household Indicators: Design to Inform and Engage Citizens.” Work-in-progress in *CHI 2006 Extended Abstracts on Human Factors in Computing Systems*, Montreal, April 22–27, 2006. (23% acceptance rate.)
- Alan Borning and Janet Davis. “Three Contexts of Appropriation for an Urban Simulation System.” Presented at “Supporting Appropriation Work—Approaches for the ‘Reflective’ User,” Workshop at the *9th European Conference on Computer-Supported Cooperative Work*, Paris, September 2005.
- Janet Davis, Peyina Lin, Alan Borning, and Batya Friedman. “Designing Urban Simulation to Foster Civic Engagement: A Value Sensitive Design Approach.” Presented at “Engaging the City: Public Interfaces as Civic Intermediary,” Workshop at *CHI 2005, ACM Conference on Human Factors in Computing Systems*, Portland, Oregon, April 2005.
- Janet Davis. “Bias and Credibility in UrbanSim.” Presented at the Doctoral Consortium of the *Eighth Biennial Participatory Design Conference*, Toronto, July 2004.
- Morgan Ames, A.J. Brush, and Janet Davis. “Comparing Synchronous Local and Remote Usability Studies for an Expert Interface.” Presented at the *Grace Hopper Celebration of Women in Computing*, Chicago, October 2004.
- Robert Grimm, Janet Davis, Eric Lemar, Adam MacBeth, Steven Swanson, Steven Gribble, Tom Anderson, Brian Bershad, Gaetano Borriello, and David Wetherall. “System-level Programming Abstractions for Ubiquitous Computing.” Presented at the *UbiTools’01 Workshop on Application Models and Programming Tools for Ubiquitous Computing*, Atlanta, September 2001.

## OTHER PRESENTATIONS AND PUBLICATIONS

- Ruth Anderson, Janet Davis, Richard LeBlanc, Kelvin Sung, and Dan Grossman. “Academic (non-R1) Job Search Seminar.” Invited panel, University of Washington, Department of Computer Science and Engineering, November 2, 2017.
- Janet Davis, Christine Alvarado, Jeannie Albrecht, Tzu-Yi Chen, Amy Csizmar Dalal, and Sohie Lee. “Computer science faculty careers at liberal arts colleges.” *XRDS: Crossroads, The ACM Magazine for Students* 21(3): 13-15, Spring 2015.
- Janet Davis, Batya Friedman, and Lisa Nathan, “HCI and Public Policy: History and Focus.” In J. Lazar (Ed.), *Human-Computer Interaction and Public Policymaking Internationally: A Foundation for Understanding*, SIGCHI Public Policy Report, April 2015.

- Janet Davis. "Computer Science at Grinnell College." Invited talk in the Whitman College Symposium on Computer Science, June 16, 2014.
- Janet Davis. "Values and Persuasive Technology, Revisited." Invited talk at the 3TU Centre for Ethics and Technology, University of Twente, May 15, 2014.
- Janet Davis. "The Mobile Phone and Human Values." Invited lectures in Grinnell's Adult Community Exploration Series (ACES), June 26 and July 3, 2013.
- Janet Davis. "The Mobile Revolution." Invited lecture in Grinnell College's Alumni College, May 30, 2013.
- Janet Davis. "Designing Persuasive Technology Together." Invited lecture in the Computer Science Colloquium series, University of Iowa, Iowa City, IA, November 9, 2012.
- Jonathan Lazar, Julio Abascal, Janet Davis, Vanessa Evers, Jan Gulliksen, Joaquim Jorge, Tom McEwan, Fabio Paternans Persson, Raquel Prates, Hans von Axelson, Marco Winckler, Volker Wulf. HCI public policy activities in 2012: a 10-country discussion. *interactions* 19(3), 78-81, May + June 2012.
- Janet Davis, Harry Hochheiser, Juan Pablo Hourcade, Jeff Johnson, Lisa P. Nathan, and Janice Tsai. "Politics, Power, and Passion: Engaging U.S. Policymakers." Invited panel at the *CHI 2012 Conference on Human Factors in Computer Systems*, Austin, TX, May 5-10, 2012.
- Maurits Kaptein, Dean Eckles, and Janet Davis. "Envisioning Persuasion Profiles: Challenges for Public Policy and Ethical Practice." *interactions* 18(4): 66-69, September + October 2011.
- Juan E. Gilbert, Margaret Burnett, Richard E. Ladner, Mary Beth Rosson, and Janet Davis (moderator). "Applying the NSF Broader Impacts Criteria to HCI Research." Invited Special Interest Group meeting at the *CHI 2011 Conference on Human Factors in Computer Systems*, Vancouver, May 8-13, 2011.
- Janet Davis. "Exploring persuasive technology through participatory design." Computer Science Thursday Extras Series, Grinnell College, September 16, 2010.
- Janet Davis. "SIGCAS, HCI & Sustainability." *ACM SIGCAS Computers and Society Newsletter* 38(2): 19-21, June 2008.
- Invited speaker, New Faculty Workshop, Midstates Science and Mathematics Consortium, July 2007.
- Janet Davis. "Engaging and Informing Citizens with Household Indicators." Department of Computer Science, Knox College, February 18, 2007.