

DANIEL AVRAHAMI, PH.D.

Researcher, Practitioner, Manager

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Education

- 2001 – 2007 **Ph.D. in Human-Computer Interaction**
Carnegie Mellon University, Pittsburgh, Pennsylvania, USA
Human-Computer Interaction Institute, School of Computer Science
- 1999 – 2001 **Master of Human-Computer Interaction**
Carnegie Mellon University, Pittsburgh, Pennsylvania, USA
Human-Computer Interaction Institute, School of Computer Science
- 1995 – 1998 **B.Sc. in Computer Science**
The Hebrew University, Jerusalem, Israel
Computer Science Department

Experience

- 2020 – 2023 Head of UX Research, Amazon Halo
Amazon
Led user research for Amazon Halo – Amazon’s products in Health and Wellness. Built Halo’s UX Research function from the ground up, operating withing multiple cross-functional workstreams, creating user-research frameworks and new work processes, and providing expertise in behavior change. Conducted and managed quantitative and qualitative research that delivered value to customers through concrete product improvements and increased the efficiency of product development leading to launch.
- 2015 – *Present* Affiliate Associate Professor, Human-Centered Design and Engineering
- 2011 – 2013 Affiliate Assistant Professor, The Information School
University of Washington
- 2019 – 2020 Principal Research Scientist & Manager, HCI Group
- 2014 – 2019 Senior Research Scientist & Manager, HCI Group
Fuji-Xerox Palo Alto Laboratory (FXPAL)
Managed and led a multi-year research initiative in Productivity, Workplace Well-Being, and Workplace Activity and State Sensing. Guided projects from early discovery and definition to fully deployed POCs, including concepting and design, user research, field studies, prototyping, and data analysis and modeling. Secured intellectual property and successfully transferred knowledge and technology to Fuji Xerox – FXPAL’s parent company.

2011 – 2014 UX Innovation Lead
Intel
 Led a cross-company UX program on media-creation, from concept to a software product shipped with millions of personal computers. Led and built concept prototyping in Intel's PC Experience Planning team within Intel's PC Client Group. Secured intellectual property and transferred technology to product groups. Launched a multi-year development program and created requirements and objectives. Served on Intel's patent committee.

2010 – 2011 Senior Research Scientist
 2007 – 2010 Research Scientist
Intel Research Seattle
 Led research in Ubiquitous Computing and Human-Computer Interaction, including building POCs in mixed-reality and investigations of usable privacy. Transferred software and interactive concepts across departments. Delivered internal and external presentations, including presentations to the press and to senior management.

2002 – 2007 Graduate Research Assistant
 1999 – 2002 Associate Researcher
Human-Computer Interaction Institute, Carnegie Mellon University
 Worked on tools supporting computer-mediated communication, specifically intelligent instant messaging, and on tools supporting functional physical prototyping.

Summer 2005 Research Intern
IBM T.J. Watson Research Center, Hawthorne, NY.
 Worked with Jennifer Lai and the Contextual Learning Solutions group developing a system for effectively connecting managers and available experts.

Fall 2000 Interaction Designer
3G Communication Device and Modular TV product design for Samsung Inc.
 Part of a design team working on the design of two future products for Samsung Inc.

Summer 1997 Java programmer / GUI designer
Computer Science Department, The Hebrew University, Jerusalem
 A member of the ProtoMap site construction team; ProtoMap is an interactive web-based tool in the area of Computational Biology allowing real-time browsing and analysis of protein data.

1996 Quality Assurance and ORACLE-based-tool programmer
YAANA Data Systems Inc.

Military Service

1991 – 1995 Officer in the Israeli Defense Forces

- From 1993 - 1994 served as an adjutant of an artillery-regiment.
- Received the 1994 Best Adjutancy Award in the Field-Units category.
- In 1995 served as the IDF Central-Command Course-Administration Officer.
- Completed a 4-year service in 1995 ranked Lieutenant.

Patents & Publications

Granted Patents

- [P.28] **Daniel Avrahami**, Matthew Lee & Scott Cambo, US Patent 11568369 (2023): Systems and Methods for Context Aware Redirection based on Machine-Learning.
- [P.27] Matthew Lee, **Daniel Avrahami**, Jacob Biehl, Scott Carter & Kandha Sankarapandian, US Patent 11264130 (2022): A System and Method for Estimating Pathogen Transfer from Mobile Interaction in Clinical Environments and a Warning System and Method for Reducing Cross-Contamination Risks.
- [P.26] **Daniel Avrahami**, Jennifer Marlow, Rafal Kocielnik & Di Lu, US Patent 11120326 (2021): Systems and Methods for a Context Aware Conversational Agent based on Machine-Learning.
- [P.25] Sven Kratz, Mitesh Patel, **Daniel Avrahami** & Yusuke Yamaura, US Patent 11030540 (2021): User Activity Recognition through Work Surfaces using Radio-Frequency Sensors.
- [P.24] Yanjun Zhu, Yanxia Zhang, Qiong Liu, Andreas Girgensohn, **Daniel Avrahami**, Francine Chen & Hao Hu, US Patent 10911775 (2021): System and Method for Vision-Based Joint Action and Pose Motion Forecasting.
- [P.23] **Daniel Avrahami**, Christine Dierk & Scott Carter, US Patent 10867448 (2020): Low-Power, Personalized Smart Grips for VR/AR Interaction.
- [P.22] **Daniel Avrahami**, Matthew Lee & Jennifer Marlow, US Patent 10810532 (2020): Systems and Methods for Access Control based on Machine-Learning.
- [P.21] Scott Carter, **Daniel Avrahami** & Nami Tokunaga, US Patent 10665041 (2020): System and Method of Access Control for Spaces and Services.
- [P.20] Jennifer Marlow, Laurent Denoue, Matthew L. Cooper, Scott Carter & **Daniel Avrahami**, US Patent 10528623 (2020): Systems and Methods for Content Curation in Video Based Communications.
- [P.19] **Daniel Avrahami**, US Patent 10313626 (2019): Techniques and System for Multiple Display Media Presentations.
- [P.18] Jaeyeon Jung, Sunny Consolvo & **Daniel Avrahami**, KR Patent 101967787B1 (2019): Promoting Breaks from Prolonged Sitting in the Home.
- [P.17] **Daniel Avrahami**, Jennifer A. Healey, Ariel Malamud & Lonny Baskin, US Patent 9955326 (2018): Responding to In-Vehicle Environmental Conditions.
- [P.16] **Daniel Avrahami** & Maria Pitallano, CN Patent 104769944 (2018): Apparatus and Techniques to Provide Variable Depth Display.
- [P.15] **Daniel Avrahami**, US Patent 9760275 (2017): Technologies for Skipping Through Media Content.

- [P.14] **Daniel Avrahami**, Jacob Biehl & Anthony Dunnigan, US Patent 9503682 (2016): Systems and Methods for Conveying Physical State of a Remote Embodied Agent.
- [P.13] **Daniel Avrahami**, Jennifer Marlow & Eveline Van Everdingen, US Patent 9491374 (2016): Systems and Methods for Videoconferencing Input and Display Management Based on Activity.
- [P.12] **Daniel Avrahami**, US Patent 9478060 (2016): Techniques to Provide Depth-Based Typeface in Digital Documents.
- [P.11] **Daniel Avrahami**, US Patent 9465470 (2016): Controlling Primary and Secondary Displays from a Single Touchscreen.
- [P.10] **Daniel Avrahami**, US Patent 9448637 (2016): Detection of and Response to Extra-Device Touch Events.
- [P.9] **Daniel Avrahami**, US Patent 9367280 (2016): Dual Screen Visibility with Virtual Transparency.
- [P.8] **Daniel Avrahami**, US Patent 9262015 (2016): A System for Portable Tangible Interaction.
- [P.7] **Daniel Avrahami**, US Patent 9244925 (2016): Audio Distribution for Electronic Tabletop System.
- [P.6] **Daniel Avrahami**, US Patent 9250779 (2016): System and Method for Content Creation.
- [P.5] **Daniel Avrahami**, US Patent 9183709 (2015): A Wearable Device as an Ambient Information Display.
- [P.4] **Daniel Avrahami** & Jered H. Wikander, US Patent 9113125 (2015): Techniques for Indexing Video Files (*Method for Automatic Indexing of Keyframes in Video using Sensor Data*).
- [P.3] **Daniel Avrahami**, US Patent 9083768 (2015): Content Sharing Device Management.
- [P.2] Greg D. Kaine, **Daniel Avrahami**, Jered H. Wikander & Gamil A. Cain, US Patent 9007524 (2015): Techniques and Apparatus for Audio Isolation in Video Processing.
- [P.1] **Daniel Avrahami**, US Patent 8943020, DE Patent 102013003409 (2015): Techniques for Intelligent Media Show across Multiple Devices.

Patent Applications

- [A.6] **Daniel Avrahami**, Matthew Lee, Kristin Williams, Nami Tokunaga & Yulius Tjahjadi, USPTO Application 16/725,909 (2019): A System using End-User Micro-Journaling for Monitoring Organizational Health and for Improving End-User Outcomes.
- [A.5] Scott Carter, Laurent Denoue & **Daniel Avrahami**, USPTO Application 16/436,577 (2019): Methods and Systems for Reporting Requests for Documenting Physical Objects via Live Video and Object Detection.
- [A.4] **Daniel Avrahami** & Anthony LaMarca, USPTO Application 14/263,213 (2014): Context Determination Using Container Sensors.
- [A.3] **Daniel Avrahami** & Eeva Ilama, USPTO Application 14/128,094 (2013): Technology for Dynamically Adjusting Video Playback Speed.

- [A.2] Glen J. Anderson & **Daniel Avrahami**, USPTO Application 14/129,214 (2013): Management and Access of Personal Media with Media Capture Device Operator Perception Data.
- [A.1] **Daniel Avrahami**, USPTO Application 13/728,505 (2012): Methods, Systems, and Apparatus for Audio Backtracking Control.

Refereed Journal Articles

- [J.6] Daniel Avrahami, Mitesh Patel, Yusuke Yamaura, Sven Kratz, and Matthew Cooper (2019). Unobtrusive Activity Recognition and Position Estimation for Work Surfaces using RF-radar Sensing. In *ACM Transactions on Interactive Intelligent Systems (TiiS)*, Vol. 10, No. 1, pp. 1-28.
- [J.5] Rafal Kocielnik, Lillian Xiao, **Daniel Avrahami**, and Gary Hsieh (2018). Reflection Companion: A Conversational System for Engaging Users in Reflection on Physical Activity. In *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT/UbiComp'18)*, Vol. 2 No. 2, Article 70.
- [J.4] Sean A. Munson, **Daniel Avrahami**, Sunny Consolvo, James Fogarty, Batya Friedman, and Ian Smith (2012). Sunlight or Sunburn: A Survey of Attitudes toward Online Availability of US Public Records. *Information Polity*, Vol. 17 No. 2, pp. 99-114.
- [J.3] Richard Beckwith, Georgios Theocharous, Daniel Avrahami, and Matthai Philipose (2010). Tabletop ESP: Everyday Sensing and Perception in the Classroom. *Intel Technology Journal*, Vol. 14, No. 1, pp. 16-31.
- [J.2] **Daniel Avrahami**, Darren Gergle, Scott E. Hudson and Sara Kiesler (2007). Improving the match between callers and receivers: A study on the effect of contextual information on cell phone interruptions. *Journal of Behaviour & Information Technology (BIT)*, Vol. 26, No. 3, pp. 247-259.
- [J.1] James Fogarty, Scott Hudson, Chris Atkeson, **Daniel Avrahami**, Jodi Forlizzi, Sara Kiesler, Johnny Lee, and Jie Yang (2005). Predicting Human Interruptibility with Sensors. *ACM Transactions on Computer Human Interaction (ToCHI)*, Vol. 12, No. 1, pp. 119-146.

Book Chapters

- [B.1] Rafal Kocielnik, Gary Hsieh and **Daniel Avrahami** (2018). Helping Users Reflect on Their Own Health-Related Behaviors. In *Studies in Conversational UX Design*, Robert J. Moore, Margaret H. Szymanski, Raphael Arar and Guang-Jie Ren (eds.). Springer, 85–115.

Refereed Conference Papers

- [C.33] Jing Qian, David A. Shamma, **Daniel Avrahami**, and Jacob Biehl (2020). Modality and Depth in Touchless Smartphone Augmented Reality Interactions. In *Proceedings of the ACM International Conference on Interactive Media Experiences (IMX'20)*, pp. 74-81. 2020.
- [C.32] **Daniel Avrahami**, Kristin Williams, Matthew Lee, Nami Tokunaga, Yulius Tjahjadi and Jennifer Marlow (2020). Celebrating Everyday Success: Improving Engagement and Motivation using a System for

Recording Daily Highlights. In *Proceedings of the ACM Symposium on Human Factors in Computing Systems (CHI'20)*.

- [C.31] Scott Carter, Laurent Denoue, and **Daniel Avrahami** (2019). Documenting Physical Objects with Live Video and Object Detection. In *Extended Proceedings of ACM Multimedia (MM'19)*.
- [C.30] Vincent Tseng, Matthew Lee, Laurent Denoue, and **Daniel Avrahami** (2019). Overcoming Distractions during Transitions from Break to Work using a Conversational Website-Blocking System. In *Proceedings of the ACM Symposium on Human Factors in Computing Systems (CHI'19)*.
- [C.29] Rafal Kocielnik, **Daniel Avrahami**, Jennifer Marlow, Di Lu, and Gary Hsieh (2018). Designing for Workplace Reflection: A Chat and Voice-Based Conversational Agent. In *Proceedings of the ACM Conference on Designing Interactive Systems (DIS'18)*, pp. 881-894. (Acceptance rate: 23%)
- [C.28] Di Lu, Jennifer Marlow, Rafal Kocielnik, and **Daniel Avrahami** (2018). Challenges and Opportunities for Technology-Supported Activity Reporting in the Workplace. In *Proceedings of the ACM Symposium on Human Factors in Computing Systems (CHI'18)*. (Acceptance rate: 26%)
- [C.27] **Daniel Avrahami**, Mitesh Patel, Yusuke Yamaura and Sven Kratz (2018). Below the Surface: Unobtrusive Activity Recognition for Work Surfaces using RF-radar sensing. In *Proceedings of the International Conference on Intelligent User Interfaces (IUI'18)*, pp. 439-451. (Acceptance rate: 23%)
- [C.26] Jennifer Marlow, Jason Wiese and **Daniel Avrahami** (2017). Exploring the Effects of Audience Visibility on Presenters and Attendees in Online Educational Presentations. In *Proceedings of the International Conference on Communities and Technologies (C&T'17)*, pp. 78-86.
- [C.25] Scott A. Cambo, **Daniel Avrahami** and Matthew L. Lee (2017). BreakSense: Combining Physiological and Location Sensing to Promote Mobility during Work-Breaks. In *Proceedings of the ACM Symposium on Human Factors in Computing Systems (CHI'17)*, pp. 3595-3607. (Acceptance rate: 25%)
- [C.24] Elena Agapie, **Daniel Avrahami** and Jennifer Marlow (2016). Staying the Course: System-Driven Lapse Management for Supporting Behavior Change. In *Proceedings of the ACM Symposium on Human Factors in Computing Systems (CHI'16)*, pp. 1072-1083. (Acceptance rate: 23%) **Honorable Mention Award**
- [C.23] Daniel A. Epstein, **Daniel Avrahami** and Jacob Biehl (2016). Taking 5: Work-Breaks, Productivity, and Opportunities for Personal Informatics for Knowledge Workers. In *Proceedings of the ACM Symposium on Human Factors in Computing Systems (CHI'16)*, pp. 673-684. (Acceptance rate: 23%)
- [C.22] **Daniel Avrahami**, Jennifer Marlow and Eveline Van Everdingen (2016). Supporting Multitasking in Video Conferencing using Gaze Tracking and On-Screen Activity Detection. In *Proceedings of the ACM International Conference on Intelligent User Interfaces (IUI'16)*, pp. 130-134. (Acceptance rate: 25%)
- [C.21] Jennifer Marlow, Eveline Van Everdingen and **Daniel Avrahami** (2016). Taking Notes or Playing Games? Understanding Multitasking in Video Communication. In *Proceedings of the ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW'16)*, pp. 1726-1737. (Acceptance rate: 25%)

- [C.20] **Daniel Avrahami** (2015). The Effect of Edge Targets on Touch Performance. In *Proceedings of the ACM Symposium on Human Factors in Computing Systems (CHI'15)*, pp. 1837-1146. (Acceptance rate: 23%)
- [C.19] Jacob Biehl, Tony Dunnigan and **Daniel Avrahami** (2015). Not Really There: Understanding Embodied Communication Affordances in Team Perception and Participation. In *Proceedings of the ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW'15)*, pp. 1567-1575. (Acceptance rate: 28%)
- [C.18] **Daniel Avrahami**, Jacob O. Wobbrock and Shahram Izadi (2011). Portico: Tangible Interaction on and around a Tablet. In *Proceedings of the ACM Symposium on User Interface Software and Technology (UIST'11)*, pp. 347-356. (Acceptance rate: 25%)
- [C.17] **Daniel Avrahami**, Michael Yeganian and Anthony LaMarca (2011). The Danger of Loose Objects in the Car: Challenges and Opportunities for Ubiquitous Computing. In *Proceedings of the International Conference on Ubiquitous Computing (UbiComp'11)*, pp. 173-176. (Acceptance rate: 17%)
- [C.16] Sean Munson, **Daniel Avrahami**, Sunny Consolvo, James Fogarty, Batya Friedman and Ian Smith (2011). Attitudes toward Online Availability of US Public Records. In *Proceedings of the 12th Annual International Conference on Digital Government Research (dg.o 2011)*. **Best Research Paper Award**
- [C.15] Francis Iannacci, Erik Turnquist, **Daniel Avrahami**, and Shwetak N. Patel (2011). The Haptic Laser: Multi-Sensation Tactile Feedback for At-a-Distance Physical Space Perception and Interaction. In *Proceedings of the ACM Symposium on Human Factors in Computing Systems (CHI'11)*, pp. 2047-2050. (Acceptance Rate: 26%)
- [C.14] Stephanie Rosenthal, Shaun K. Kane, Jacob O. Wobbrock and **Daniel Avrahami** (2010). Augmenting On-Screen Instructions with Micro-Projected Guides: When it Works, and When it Fails. In *Proceedings of the International Conference on Ubiquitous Computing (UbiComp'10)*, pp. 203-212. (Acceptance rate: 19%)
- [C.13] Sunny Consolvo, Jaeyeon Jung, Ben Greenstein, Pauline Powledge, Gabriel Maganis and **Daniel Avrahami** (2010). The Wi-Fi Privacy Ticker: Improving Awareness & Control of Personal Information Exposure on Wi-Fi. In *Proceedings of the International Conference on Ubiquitous Computing (UbiComp'10)*, pp. 321-330. (Acceptance rate: 19%)
- [C.12] Shaun K. Kane, **Daniel Avrahami**, Jacob O. Wobbrock, Beverly Harrison, Adam Rea, Matthai Philipose and Anthony LaMarca (2009). Bonfire: A Nomadic System for Hybrid Laptop-Tabletop Interaction. In *Proceedings of the ACM Symposium on User Interface Software and Technology (UIST'09)*, pp. 129-138. (Acceptance rate: 18%)
- [C.11] Brian Lim, Anind Dey, and **Daniel Avrahami** (2009). Why and Why Not Explanations Improve the Intelligibility of Context-Aware Intelligent Systems. In *Proceedings of the ACM Symposium on Human Factors in Computing Systems (CHI'09)*, pp. 2119-2128. (Acceptance Rate: 25%) **Nominated for Best Paper**

- [C.10] **Daniel Avrahami**, Susan R. Fussell, and Scott E. Hudson (2008). IM Waiting: Timing and Responsiveness in Semi-Synchronous Communication. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW'08)*, pp. 285-294. (Acceptance rate: 23%)
- [C.9] Sunny Consolvo, Predrag Klasnja, David W. McDonald, **Daniel Avrahami**, Jon Froehlich, Louis LeGrand, Ryan Libby, Keith Mosher, & James A. Landay (2008). Flowers or a Robot Army? Encouraging Awareness and Activity with Personal, Mobile Displays. In *Proceedings of the Tenth International Conference on Ubiquitous Computing (UbiComp'08)*, pp. 54-63. (Acceptance rate: 19%) **Received UbiComp's "10-Year Impact Awards" at UbiComp'18.**
- [C.8] **Daniel Avrahami**, James Fogarty, and Scott Hudson (2007). Biases in Human Estimation of Interruptibility: Effects and Implications for Practice. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI'07)*, pp. 50-60. (Acceptance rate: 25%)
- [C.7] **Daniel Avrahami** and Scott Hudson (2006). Communication Characteristics of Instant Messaging: Effects and Predictions of Interpersonal Relationships. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW'06)*, pp. 505-514. (Acceptance rate: 22%)
- [C.6] **Daniel Avrahami** and Scott Hudson (2006). Responsiveness in Instant Messaging: Predictive Models Supporting Inter-Personal Communication. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI'06)*, pp. 731-740. (Acceptance rate: 23%)
- [C.5] **Daniel Avrahami** and Scott Hudson (2004). QnA: Augmenting an Instant Messaging Client to Balance User Responsiveness and Performance. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW'04)*, pp. 515-518. (Acceptance rate: 28%)
- [C.4] Johnny Lee, **Daniel Avrahami**, Scott Hudson, Jodi Forlizzi, Paul Dietz, and Darren Leigh, (2004). The Calder Toolkit: Wired and Wireless Components for Rapidly Prototyping Interactive Devices. In *Proceedings of the ACM Symposium on Designing Interactive Systems (DIS'04)*, pp. 141-146. (Acceptance rate: 22%)
- [C.3] Scott Hudson, James Fogarty, Christopher Atkeson, **Daniel Avrahami**, Jodi Forlizzi, Sara Kiesler, Johnny Lee and Jie Yang (2003). Predicting Human Interruptibility with Sensors: A Wizard of Oz Feasibility Study. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI'03)*, pp. 257-264. (Acceptance rate: 16%)
- [C.2] **Daniel Avrahami** and Scott Hudson, (2002). Forming Interactivity: A Tool for Rapid Prototyping of Physical Interactive Products. In *Proceedings of the ACM Symposium on Designing Interactive Systems (DIS'02)*, pp. 141-146. (Acceptance rate: 22%)
- [C.1] **Daniel Avrahami**, Scott E. Hudson, Thomas P. Moran, and Brian D. Williams, (2001). Guided Gesture Support in the Paper PDA. In *Proceedings of the ACM Symposium on User Interface Software and Technology (UIST'01)*, pp. 197-198. (Acceptance rate: 19%)

Conference Workshops

- [WS.5] Daniel Avrahami, Kristin Williams, Matthew Lee, Nami Tokunaga, Yulius Tjahjadi & Jennifer Marlow (2020). Celebrating Everyday Success: Improving Engagement and Motivation using a System for Recording Daily Highlights. In *the 8th Israeli Symposium on Human-Computer Interaction (IsraHCI'20)*.
- [WS.4] Sebastian Günther, Sven Kratz, **Daniel Avrahami**, & Max Mühlhäuser (2018) Exploring Audio, Visual, and Tactile Cues for Synchronous Remote Assistance. In *Proceedings of Pervasive Technologies Related to Assistive Environments Conference (PETRA '18)*.
- [WS.3] Sven Kratz, Daniel Avrahami, Don Kimber, Jim Vaughan, Patrick Proppe, & Don Severns (2015) Polly Wanna Show You: Examining Viewpoint-Conveyance Techniques for a Shoulder-Worn Telepresence System. In *Adjunct Proceedings of the International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI '15)*, pp. 567-575.
- [WS.2] Jennifer Marlow, **Daniel Avrahami**, Jacob Biehl, Scott Carter, Matthew Cooper, Don Kimber & Sven Kratz (2015) 'Good Enough' is not Good Enough: Challenges of Social Interaction in Video-Mediated Telepresence. In *Adjunct Proceedings of the ACM Symposium on Human Factors in Computing Systems (CHI'15)*.
- [WS.1] **Daniel Avrahami**, Sunyoung Kim (2008) carUbi: Exploring Context in the Family Car. In *Adjunct Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW'08)*.

Awards

Significant Achievement Award. FXPAL, 2018, 2019.
10-Year Impact Awards. UbiComp, 2018.
The Allen Newell Award for Research Excellence. CMU, 2014.
Intel Division Recognition Award. Intel PC Client Group, 2013.
Intel Division Recognition Award. Intel Research, 2010.

Memberships & Activities

CSCW Steering Committee (2015-2018)
Intel's Intellectual Property Committee (2011-2014)
HCI Consortium (HCIC) Governing Board (2008-2014)
Senior Member, Association for Computing Machinery (since 2018)
Member, Association for Computing Machinery (2002-2018)
Partner of Conscience, Amnesty International (since 2001)
Member, World Wildlife Fund (since 2001)

Conference Program Committees and Reviewing

ACM symposium on User Interface Software and Technology (UIST). **Program Chair 2016, Posters Chair 2014**
ACM symposium on Human Factors in Computing (CHI)
ACM symposium on Computer Supported Cooperative Work (CSCW)
ACM International Conference on Ubiquitous Computing (UbiComp)
ACM International Conference on Intelligent User Interfaces (IUI)
ACM symposium on Designing Interactive Systems (DIS)
EAI International Conference on Pervasive Computing Technologies for Healthcare (Pervasive Health)
Transactions on Computer-Human Interaction (ToCHI)
International Journal of Cooperative Information Systems (IJCIS)
Journal of Human-Computer Interaction (HCI)
IEEE Pervasive Computing
Journal of Multimedia Tools and Applications (MTAP)

Teaching Experience

Fall 2004 **Co-Instructor**, Carnegie Mellon University
“Software Architecture for User Interfaces” (05-631)
with Prof. Scott E. Hudson
Responsibilities included developing lecture materials, teaching one-quarter of the classes,
creating grading criteria, developing, and grading all assignments.

Fall 2003 **Teaching Assistant**, Carnegie Mellon University
“Software Architecture for User Interfaces” (05-631)
for Prof. Scott E. Hudson
Responsibilities included developing and grading all assignments, creating grading criteria,
giving four lectures.

Spring 1999 **Instructor**, Magid Institute, The Hebrew University, Jerusalem, Israel
“Java Programming”
Responsibilities included developing and teaching all class lectures, and developing and grading
all assignments.