

W E N D Y J U

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I explore how people interact with automated systems. My expertise lays in using design research to study interactions using physical and digital interfaces that implicitly communicate with users; this knowledge has wide-reaching application in the creation of robots, automated vehicles and consumer technology devices. Also, I aim to lower the barriers to designing interactive systems so that these systems work for more people.

E D U C A T I O N

- June 2008 **Stanford University**, Stanford, CA
Ph.D. in Mechanical Engineering
DISSERTATION: *The Design of Implicit Interactions*
COMMITTEE: Larry Leifer (primary advisor), Terry Winograd, Clifford Nass, Edward Carryer, Donald Norman, Scott Klemmer
- 1999-2001 **Massachusetts Institute of Technology**, Cambridge, MA
M.S. Media Arts and Sciences
THESIS: *The Design of Active Workspaces*
COMMITTEE: Michael Hawley (primary advisor), Joseph Paradiso, Chee Pearlman
- 1993-1997 **Stanford University**, Stanford, CA
B.S. with Distinction, Mechanical Engineering

P O S I T I O N S

- 2018– **Associate Professor**, Information Science, *promoted Spring 2020*
Jacobs Cornell-Technion Institute, Cornell Tech, New York, NY
Technion—Israel Institute of Technology
- 2013–2017 **Executive Director**, Interaction Design Research
Center for Design Research, Stanford University, Stanford CA
- 2008–2017 **Associate Professor**, *promoted Fall 2014*
Graduate Program in Design, California College of the Arts
- 2009–2013 **Research Associate** Computer Science & Center for Design Research, Stanford University
PIs: Terry Winograd, Larry Leifer

TEACHING

- Annually since 2018 **CS5424/ECE5413/INFO5345. DEVELOPING AND DESIGNING INTERACTIVE DEVICES.** Cornell Tech.
Originated new graduate-level course covering the technical and human-center aspects of designing interactive devices with single board Linux computers and embedded controllers.
- Spring 2023 **INFO/CS 5755/6755. MOBILE HUMAN ROBOT INTERACTION DESIGN,** Cornell & Cornell Tech.
Originated new Masters and PhD-level laboratory course to prototype mobile robots and study interaction.
- Spring 2022,
Spring 2021,
Fall 2020 **INFO6250. HCI DESIGN STUDIO,** Cornell & Cornell Tech.
PhD level studio course to explore the intersection of research and design through term-long project. *With François Guimbretière in Fall 2020.*
- Spring 2019 **INFO6940. PHD RESEARCH THROUGH DESIGN,** Cornell Tech.
Designed new graduate-level course studio course to explore the intersection of research and design, through exploration, study and practice.
- Winter 2012,
Winter 2014 **EE92A. MAKING AND BREAKING THINGS,** Stanford University.
Created new “hands-on” seminar course to encourage a maker culture in the Electrical Engineering department at Stanford. Weekly guest speakers guide students through short projects or product dissections. *With David Sirkin.*
- Spring 2010-2013 **EE47. INTERACTIVE DEVICE DESIGN,** Stanford University.
Designed new course to expose undergraduate students to the various human-centered and technical aspects of designing interactive devices with embedded controllers, digital displays and electronic sensors and actuators.
- Spring 2013 **ARCH 39D. DESIGN AND ACTIVISM,** UC Berkeley.
Taught freshman/sophomore seminar to explore the relationships between design and activism. *With Ronald Rael & Walter Hood.*
- Fall 009-2012 **MUSIC 250A&B. PHYSICAL INTERACTION DESIGN,** Stanford CCRMA.
Guided graduate students developing new platforms to allow novel autonomous new musical instruments. *With Edgar Berdahl.*
- Fall 2012 **ARCH 109/209. EXPRESSIVE MOVEMENT IN DESIGN & ARCHITECTURE,** UC Berkeley
Taught original studio design course to explore the expressive possibilities of using motion to build more “intuitive” systems in domains as varied as architecture, public art and industrial design.
- Winter 2008,
2009 **ENGR231. TRANSFORMATIVE DESIGN,** Stanford d.school
Designed new advanced graduate course focused on recognizing and harnessing social, cultural and behavioral factors in design for health, conservation & safety. *With Bernard Roth, S. Lochlann Jain & Bill Moggridge.*

Spring 2008 **IEOR170. INDUSTRIAL DESIGN & HUMAN FACTORS**, UC Berkeley.
Lead survey course on industrial design & human factors. Class featured lectures,
historical & contemporary case studies, design exercises and a major design project.

PUBLICATIONS

Monograph **Wendy Ju**. *The design of implicit interactions*. Vol. 8. 2. Morgan & Claypool
Publishers, 2015, pp. 1–93.

Journal Articles Natalie Friedman, Zhi Ming Tan, Micah Haskins, **Wendy Ju**, Diane Bailey, Louis
Longchamps. “Understanding Farmers’ Data Collection Practices on
Small-to-Medium Farms for the Design of Future Farm Management Information
Systems”. In: *Proceedings of the ACM on Human-Computer Interaction, CSCW*
(2024).

Thomas Krendl Gilbert, Noah Zijie Qu, **Wendy Ju**, Jamy Li. “Fleets on the streets:
How number, affiliation and purpose of shared-lane automated vehicle convoys
influence public perception and blame”. In: *Transportation Research Part F: Traffic
Psychology and Behaviour* 93 (2023), pp. 294–308.

Sharon Yavo-Ayalon, Swapna Joshi, Yuzhen (Adam) Zhang, Ruixiang (Albert) Han,
Narges Mahyar, **Wendy Ju**. “Building Community Resiliency through Immersive
Communal Extended Reality (CXR)”. In: *Multimodal Technologies and
Interaction* 7.5 (2023).

Sharon Yavo-Ayalon, Cheng Gong, Harrison Yu, Ilan Mandel, **Wendy Ju**. “The
sidewalk ballet in the age of social distancing: interactive geospatial mapping to study
NYC’s pandemic urbanism”. In: *Journal of Urbanism: International Research on
Placemaking and Urban Sustainability* (2022), pp. 1–23.

Sharon Yavo-Ayalon, Cheng Gong, Harrison Yu, Ilan Mandel, **Wendy Ju**.
“Walkie-Talkie Maps – A Novel Method to Conduct and Visualize Remote
Ethnography”. In: *International Journal of Qualitative Methods* 21 (2022),
p. 16094069221115519.

Andrea Cuadra, Shuran Li, Hansol Lee, Jason Cho, **Wendy Ju**. “My Bad! Repairing
Intelligent Voice Assistant Errors Improves Interaction”. In: *Proceedings of the ACM
on Human-Computer Interaction, Computer-Supported Cooperative Work* 5 (Apr.
2021).

Jake Goldenfein, Deirdre K. Mulligan, Helen Nissenbaum, **Wendy Ju**. “Through
the Handoff Lens: Competing Visions of Autonomous Futures”. In: *Berkeley
Technology Law Journal* 35 (3 July 2021).

Tong Wu, Nikolas Martelaro, Simon Stent, Jorge Ortiz, **Wendy Ju**. “Learning When
Agents Can Talk to Drivers Using the INAGT Dataset and Multisensor Fusion”. In:
Proc. ACM Interact. Mob. Wearable Ubiquitous Technol. 5.3 (Sept. 2021).

Stephanie Balters, Joseph W Geeseman, Ann-Kristin Tveten, Hans Petter Hildre, **Wendy Ju**, Martin Steinert. “Mayday, Mayday, Mayday: Using salivary cortisol to detect distress (and eustress!) in critical incident training”. In: *International Journal of Industrial Ergonomics* 78 (2020), p. 102975.

Christian P Janssen, Linda Ng Boyle, **Wendy Ju**, Andreas Riener, Ignacio Alvarez. “Agents, environments, scenarios: A framework for examining models and simulations of human-vehicle interaction”. In: *Transportation Research Interdisciplinary Perspectives* 8 (2020), p. 100214.

Wendy Ju, Sharon Yavo-Ayalon, Ilan Mandel, Federico Saldarini, Natalie Friedman, Srinath Sibi, JD Zamfirescu-Pereira, Jorge Ortiz. “Tracking Urban Mobility and Occupancy under Social Distancing Policy”. In: *Digital Government: Research and Practice* 1.4 (2020), pp. 1–12.

Xiaosong Qian, **Wendy Ju**, David Michael Sirkin. “Aladdin’s magic carpet: Navigation by in-air static hand gesture in autonomous vehicles”. In: *International Journal of Human-Computer Interaction* 36.20 (2020), pp. 1912–1927.

Helena Strömberg, Ingrid Pettersson, **Wendy Ju**. “Enacting metaphors to explore relations and interactions with automated driving systems”. In: *Design Studies* 67 (2020), pp. 77–101.

Christian P Janssen, Linda Ng Boyle, Andrew L Kun, **Wendy Ju**, Lewis L Chuang. “A hidden markov framework to capture human-machine interaction in automated vehicles”. In: *International Journal of Human-Computer Interaction* 35.11 (2019), pp. 947–955.

Dylan Moore, Xiao Ge, David Sirkin, Daniel Stenholm, **Wendy Ju**. “ActiveNavigator: Toward Real-Time Knowledge Capture and Feedback in Design Workspaces”. In: *The International journal of engineering education* 34.2 (2018), pp. 723–733.

Pablo E Paredes, Stephanie Balters, Kyle Qian, Elizabeth L Murnane, Francisco Ordóñez, **Wendy Ju**, James A Landay. “Driving with the fishes: Towards calming and mindful virtual reality experiences for the car”. In: *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies* 2.4 (2018), pp. 1–21.

Pablo E Paredes, Yijun Zhou, Nur Al-Huda Hamdan, Stephanie Balters, Elizabeth Murnane, **Wendy Ju**, James A Landay. “Just breathe: In-car interventions for guided slow breathing”. In: *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies* 2.1 (2018), pp. 1–23.

Hamish Tennent, Dylan Moore, **Wendy Ju**. “Character actor: Design and evaluation of expressive robot car seat motion”. In: *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies* 1.4 (2018), pp. 1–23.

Pablo Enrique Paredes, Nur Al-Huda Hamdan, Dav Clark, Carrie Cai, **Wendy Ju**, James A Landay. “Evaluating in-car movements in the design of mindful commute interventions: exploratory study”. In: *Journal of medical Internet research* 19.12 (2017), e372.

Megan K Strait, Victoria A Floerke, **Wendy Ju**, Keith Maddox, Jessica D Remedios, Malte F Jung, Heather L Urry. “Understanding the uncanny: both atypical features and category ambiguity provoke aversion toward humanlike robots”. In: *Frontiers in psychology* 8 (2017), p. 1366.

Jamy Li, René Kizilcec, Jeremy Bailenson, **Wendy Ju**. “Social robots and virtual agents as lecturers for video instruction”. In: *Computers in Human Behavior* 55 (2016), pp. 1222–1230.

Jeamin Koo, Jungsuk Kwac, **Wendy Ju**, Martin Steinert, Larry Leifer, Clifford Nass. “Why did my car just do that? Explaining semi-autonomous driving actions to improve driver understanding, trust, and performance”. In: *International Journal on Interactive Design and Manufacturing (IJIDeM)* 9.4 (2015), pp. 269–275.

Erica S Savig, Jacqueline H Gurevitch, Jordan E Jackson, Amber Malinowski, **Wendy G Ju**, Larry J Leifer, Harvey J Cohen, Barbara M Sourkes, Rajni Agarwal. “A Multidisciplinary Care Team Perspective on Children’s Emotional Experience in Isolation for Stem Cell Transplantation”. In: *Biology of Blood and Marrow Transplantation* 21.2 (2015), S180.

Guy Hoffman, **Wendy Ju**. “Designing robots with movement in mind”. In: *Journal of Human Robot Interaction* 1.1 (2012), pp. 78–95.

David Sirkin, **Wendy Ju**. “Producing Expressive Movement for Telepresence Robotics”. In: *Social Robotic Telepresence* 1 (2012).

Edgar Berdahl, **Wendy Ju**, Julius O Smith III. “Homemade digital musical instruments.” In: *The Journal of the Acoustical Society of America* 127.3 (2010), pp. 1763–1763.

Wendy Ju, Leila Takayama. “Approachability: How people interpret automatic door movement as gesture”. In: *International Journal of Design* 3.2 (2009).

Wendy Ju, Larry Leifer. “The design of implicit interactions: Making interactive systems less obnoxious”. In: *Design Issues* 24.3 (2008), pp. 72–84.

Book chapters
Nikolas Martelaro, **Wendy Ju**. “The needfinding machine”. In: *Social internet of things*. Ed. by Alessandro Soro, Margot Brereton, Paul Roe. Internet of Things (Technology, Communications and Computing). Springer, Cham, 2019, pp. 51–84.

Nikolas Martelaro, **Wendy Ju**, Mark Horowitz. “The Interaction Engine”. In: *Design Thinking Research*. Springer, Cham, 2018, pp. 147–169.

Wendy Ju, Lauren Aquino Shluzas, Larry Leifer. “People with a paradigm: the Center for Design Research’s Contributions to Practice”. In: *Impact of Design Research on Industrial Practice*. Springer, Cham, 2016, pp. 209–222.

David Sirkin, Sonia Baltodano, Brian Mok, Dirk Rothenbücher, Nikhil Gowda, Jamy Li, Nikolas Martelaro, David Miller, Srinath Sibi, **Wendy Ju**. “Embodied design improvisation for autonomous vehicles”. In: *Design thinking research*. Springer, Cham, 2016, pp. 125–143.

David Sirkin, Brian Mok, Stephen Yang, Rohan Maheshwari, **Wendy Ju**. “Improving design thinking through collaborative improvisation”. In: *Design Thinking Research*. Springer, Cham, 2016, pp. 93–108.

David Sirkin, **Wendy Ju**. “Embodied design improvisation: a method to make tacit design knowledge explicit and usable”. In: *Design Thinking Research*. Springer, Cham, 2015, pp. 195–209.

Steven Dow, **Wendy Ju**, Wendy Mackay. “Projection, Place and Point-of-view in Research through Design”. In: *The SAGE Handbook of Digital Technology Research*. Sage, 2013, pp. 266–285.

David Sirkin, **Wendy Ju**, Mark Cutkosky. “Communicating meaning and role in distributed design collaboration: how crowdsourced users help inform the design of telepresence robotics”. In: *Design thinking research*. Springer, Berlin, Heidelberg, 2012, pp. 173–187.

Edgar Berdahl, **Wendy Ju**. “Satellite CCRMA: A Musical Interaction and Sound Synthesis Platform.” In: *NIME*. 2011, pp. 173–178.

Wendy Ju. “The Mouse, the Demo, and the Big Idea”. In: *HCI Remixed*. Ed. by Thomas Erickson, David W McDonald. MIT Press, 2007.

Conference Papers (Refereed) Navit Alalouf Klein, Hauke Sandhaus, David Goedicke, Avi Parush, **Wendy Ju**. “Modeling Social Situation Awareness in Driving Interactions”. In: *Transportation Review Board Annual Meeting*. Washington DC, USA, Jan. 2024.

Yuzhen Zhang, Ruixiang Han, Ran Zhou, Peter Gyory, Clement Zheng, Patrick C. Shih, Ellent Yi-Luen Do, Malte Jung, **Wendy Ju**, Daniel Leithinger. “Wizard of Props: Mixed Reality Prototyping with Physical Props to Design Responsive Environments”. In: *Proceedings of ACM Tangible Embedded Embodied Interaction*. Cork, Ireland, Feb. 2024.

Alexandra Bremers, Maria Teresa Parreira, Xuanyu Fang, Natalie Friedman, Adolfo Ramirez-Aristizabal, Alexandria Pabst, Mirjana Spasojevic, Michael Kuniavsky, Wendy Ju. “The Bystander Affect Detection (BAD) Dataset for Failure Detection in HRI”. In: *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*. Detroit, USA, Oct. 2023.

Matthew Franchi, J.D. Zamfirescu-Pereira, **Wendy Ju**, Emma Pierson. “Detecting disparities in police deployments using dashcam data”. In: ACM Conference on Fairness, Accountability and Transparency. Chicago, USA: Association for Computing Machinery, June 2023.

Ilan Mandel, **Wendy Ju**. “Recapturing Product as Material Supply: A Case Study around Hoverboards”. In: *Proceedings of the ACM SIGCHI Conference on Designing Interactive Systems (DIS 2023)*. Pittsburgh, USA, July 2023.

Saki Suzuki, Ilan Mandel, Stacey Li, Wen-Ying Lee, Mark Colley, **Wendy Ju**. “AdVANcing Design: Customizing Spaces for Vanlife”. In: AutomotiveUI ’23. Ingolstadt, Germany: Association for Computing Machinery, 2023, pp. 256–266.

David Goedicke, Alexandra W.D. Bremers, Sam Lee, Fanun Bu, Hiroshi Yasuda, **Wendy Ju**. “XR-OOM: MiXed Reality driving simulation with real cars for research and design”. In: *Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems*. 2022.

Tahiya Chowdhury, Ansh Bhatti, Ilan Mandel, Taqiya Ehsan, **Wendy Ju**, Jorge Ortiz. “Towards Sensing Urban-Scale COVID-19 Policy Compliance in New York City”. In: *Proceedings of the 8th ACM International Conference on Systems for Energy-Efficient Buildings, Cities, and Transportation*. BuildSys ’21. Coimbra, Portugal: Association for Computing Machinery, 2021, pp. 353–356.

Tahiya Chowdhury, Qizhen Ding, Ilan Mandel, **Wendy Ju**, Jorge Ortiz. “Tracking Urban Heartbeat and Policy Compliance through Vision and Language-Based Sensing”. In: *Proceedings of the 8th ACM International Conference on Systems for Energy-Efficient Buildings, Cities, and Transportation*. BuildSys ’21. Coimbra, Portugal: Association for Computing Machinery, 2021, pp. 302–306.

Natalie Friedman, Kari Love, RAY LC, Jenny E Sabin, Guy Hoffman, **Wendy Ju**. “What Robots Need From Clothing”. In: *Designing Interactive Systems Conference 2021*. DIS ’21. Virtual Event, USA: Association for Computing Machinery, 2021, pp. 1345–1355.

J.D. Zamfirescu-Pereira, David Sirkin, David Goedicke, RAY LC, Natalie Friedman, Ilan Mandel, Nikolas Martelaro, **Wendy Ju**. “Fake It to Make It: Exploratory Prototyping in HRI (alt.HRI)”. In: *Companion of the 2021 ACM/IEEE International Conference on Human-Robot Interaction*. 2021.

Wendy Ju, Ilan Mandel, Kevin Weatherwax, Leila Takayama, Nikolas Martelaro, Denis Willett. “Remote Observation of Field Work on the Farm”. In: *New Future of Work 2020*. Microsoft. Aug. 2020.

Jamy Li, Rebecca Currano, David Sirkin, David Goedicke, Hamish Tennent, Aaron Levine, Vanessa Evers, **Wendy Ju**. “On-road and online studies to investigate beliefs and behaviors of Netherlands, US and Mexico pedestrians encountering

hidden-driver vehicles”. In: *Proceedings of the 2020 ACM/IEEE International Conference on Human-Robot Interaction*. 2020, pp. 141–149.

Nikolas Martelaro, Sarah Mennicken, Jennifer Thom, Henriette Cramer, **Wendy Ju**. “Using Remote Controlled Speech Agents to Explore Music Experience in Context”. In: *Proceedings of the 2020 ACM Designing Interactive Systems Conference*. 2020, pp. 2065–2076.

Florian Floyd Mueller, Pedro Lopes, Paul Strohmeier, **Wendy Ju**, Caitlyn Seim, Martin Weigel, Suranga Nanayakkara, Marianna Obrist, Zhuying Li, Joseph Delfa. “Next Steps for Human-Computer Integration”. In: *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems*. 2020, pp. 1–15.

Srinath Sibi, Stephanie Balters, Ernestine Fu, Ella G Strack, Martin Steinert, **Wendy Ju**. “Back to School: Impact of Training on Driver Behavior and State in Autonomous Vehicles”. In: *2020 IEEE Intelligent Vehicles Symposium (IV)*. IEEE. 2020, pp. 1189–1196.

Marcel Walch, Stacey Li, Ilan Mandel, David Goedicke, Natalie Friedman, **Wendy Ju**. “Crosswalk Cooperation: A Phone-Integrated Driver-Vehicle Cooperation Approach to Predict the Crossing Intentions of Pedestrians in Automated Driving”. In: *12th International Conference on Automotive User Interfaces and Interactive Vehicular Applications*. 2020, pp. 74–77.

Lorin Dole, **Wendy Ju**. “Face and Ecological Validity in Simulations: Lessons from Search-and-Rescue HRI”. In: *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems*. 2019, pp. 1–8.

Natalie Friedman, Andrea Cuadra, Ruchi Patel, Shiri Azenkot, Joel Stein, **Wendy Ju**. “Voice assistant strategies and opportunities for people with tetraplegia”. In: *The 21st International ACM SIGACCESS Conference on Computers and Accessibility*. 2019, pp. 575–577.

Sven Krome, David Goedicke, Thomas J Matarazzo, Zimeng Zhu, Zhenwei Zhang, JD Zamfirescu-Pereira, **Wendy Ju**. “How people experience autonomous intersections: taking a first-person perspective”. In: *Proceedings of the 11th International Conference on Automotive User Interfaces and Interactive Vehicular Applications*. 2019, pp. 275–283.

Dylan Moore, Tobias Dahl, Paula Varela, **Wendy Ju**, Tormod Næs, Ingunn Berget. “Unintended Consonances: Methods to Understand Robot Motor Sound Perception”. In: *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems*. 2019, pp. 1–12.

Rob Semmens, Nikolas Martelaro, Pushyami Kaveti, Simon Stent, **Wendy Ju**. “Is now a good time? An empirical study of vehicle-driver communication timing”. In: *Proceedings of the 2019 chi conference on human factors in computing systems*. 2019, pp. 1–12.

Sonia Baltodano, Jesus Garcia-Mancilla, **Wendy Ju**. “Eliciting driver stress using naturalistic driving scenarios on real roads”. In: *Proceedings of the 10th International Conference on Automotive User Interfaces and Interactive Vehicular Applications*. 2018, pp. 298–309.

Rebecca Currano, So Yeon Park, Lawrence Domingo, Jesus Garcia-Mancilla, Pedro C Santana-Mancilla, Victor M Gonzalez, **Wendy Ju**. “¡Vamos! Observations of pedestrian interactions with driverless cars in Mexico”. In: *Proceedings of the 10th international conference on automotive user interfaces and interactive vehicular applications*. 2018, pp. 210–220.

Nick Gang, Srinath Sibi, Romain Michon, Brian Mok, Chris Chafe, **Wendy Ju**. “Don’t Be Alarmed: Sonifying Autonomous Vehicle Perception to Increase Situation Awareness”. In: *Proceedings of the 10th international conference on automotive user interfaces and interactive vehicular applications*. 2018, pp. 237–246.

David Goedicke, Jamy Li, Vanessa Evers, **Wendy Ju**. “VR-oom: Virtual reality on-road driving simulation”. In: *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*. 2018, pp. 1–11.

Mishel Johns, Gamze Strack, **Wendy Ju**. “Driver assistance after handover of control from automation”. In: *2018 21st International Conference on Intelligent Transportation Systems (ITSC)*. IEEE. 2018, pp. 2104–2110.

Dylan Moore, **Wendy Ju**. “Sound as implicit influence on human-robot interactions”. In: *Companion of the 2018 ACM/IEEE International Conference on Human-Robot Interaction*. 2018, pp. 311–312.

Pablo E Paredes, Francisco Ordonez, **Wendy Ju**, James A Landay. “Fast & furious: detecting stress with a car steering wheel”. In: *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*. 2018, pp. 1–12.

Helena Strömberg, Ingrid Pettersson, **Wendy Ju**. “Horse, Butler or Elevator? Metaphors and enactment as a catalyst for exploring interaction with autonomous technology”. In: *Design Research Society 2018*. Design Research Society. 2018.

Stephanie Balters, Srinath Sibi, Mishel Johns, Martin Steinert, **Wendy Ju**. “Learning-by-doing: Using near infrared spectroscopy to detect habituation and adaptation in automated driving”. In: *Proceedings of the 9th International Conference on Automotive User Interfaces and Interactive Vehicular Applications*. 2017, pp. 134–143.

Mishel Johns, Brian Mok, Walter Talamonti, Srinath Sibi, **Wendy Ju**. “Looking ahead: Anticipatory interfaces for driver-automation collaboration”. In: *2017 IEEE 20th International Conference on Intelligent Transportation Systems (ITSC)*. IEEE. 2017, pp. 1–7.

Heather Knight, Timothy Lee, Brittany Hallawell, **Wendy Ju**. “I get it already! the influence of chairbot motion gestures on bystander response”. In: *2017 26th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)*. IEEE. 2017, pp. 443–448.

Nikolas Martelaro, **Wendy Ju**. “DJ Bot: Needfinding Machines for Improved Music Recommendations”. In: *2017 AAAI Spring Symposium Series*. 2017.

Nikolas Martelaro, **Wendy Ju**. “WoZ Way: Enabling real-time remote interaction prototyping & observation in on-road vehicles”. In: *Proceedings of the 2017 ACM conference on computer supported cooperative work and social computing*. 2017, pp. 169–182.

Brian Mok, Mishel Johns, David Miller, **Wendy Ju**. “Tunneled in: Drivers with active secondary tasks need more time to transition from automation”. In: *Proceedings of the 2017 CHI conference on human factors in computing systems*. 2017, pp. 2840–2844.

Brian Mok, Mishel Johns, Stephen Yang, **Wendy Ju**. “Actions speak louder: Effects of a transforming steering wheel on post-transition driver performance”. In: *2017 IEEE 20th International Conference on Intelligent Transportation Systems (ITSC)*. IEEE. 2017, pp. 1–8.

Brian Mok, Mishel Johns, Stephen Yang, **Wendy Ju**. “Reinventing the wheel: transforming steering wheel systems for autonomous vehicles”. In: *Proceedings of the 30th Annual ACM Symposium on User Interface Software and Technology*. 2017, pp. 229–241.

Dylan Moore, Nikolas Martelaro, **Wendy Ju**, Hamish Tennent. “Making noise intentional: A study of servo sound perception”. In: *2017 12th ACM/IEEE International Conference on Human-Robot Interaction (HRI)*. IEEE. 2017, pp. 12–21.

Ingrid Pettersson, **Wendy Ju**. “Design techniques for exploring automotive interaction in the drive towards automation”. In: *Proceedings of the 2017 conference on designing interactive systems*. 2017, pp. 147–160.

Christopher J Ploch, Jung Hwa Bae, Caitlin C Ploch, **Wendy Ju**, Mark R Cutkosky. “Comparing haptic and audio navigation cues on the road for distracted drivers with a skin stretch steering wheel”. In: *2017 IEEE World Haptics Conference (WHC)*. IEEE. 2017, pp. 448–453.

Yumiko Shinohara, Rebecca Currano, **Wendy Ju**, Yukiko Nishizaki. “Visual attention during simulated autonomous driving in the US and Japan”. In: *Proceedings of the 9th International Conference on Automotive User Interfaces and Interactive Vehicular Applications*. 2017, pp. 144–153.

Srinath Sibi, Stephanie Baiters, Brian Mok, Martin Steiner, **Wendy Ju**. “Assessing driver cortical activity under varying levels of automation with functional near

infrared spectroscopy”. In: *2017 IEEE Intelligent Vehicles Symposium (IV)*. IEEE. 2017, pp. 1509–1516.

David Sirkin, Nikolas Martelaro, Mishel Johns, **Wendy Ju**. “Toward measurement of situation awareness in autonomous vehicles”. In: *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems*. 2017, pp. 405–415.

Alessandro Soro, Margot Brereton, Paul Roe, Peta Wyeth, Daniel Johnson, Aloha Hufana Ambe, Ann Morrison, Shaowen Bardzell, Tuck Wah Leong, **Wendy Ju**. “Designing the social internet of things”. In: *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems*. 2017, pp. 617–623.

Helena Strömberg, Ingrid Pettersson, Jesper Nollhage, **Wendy Ju**, Nikolas Martelaro. “Setting the Stage with Metaphors for Interaction—Researching Methodological Approaches for Interaction Design of Autonomous Vehicles”. In: *Proceedings of the 2017 ACM Conference Companion Publication on Designing Interactive Systems*. 2017, pp. 372–375.

Hamish Tennent, Dylan Moore, Malte Jung, **Wendy Ju**. “Good vibrations: How consequential sounds affect perception of robotic arms”. In: *2017 26th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)*. IEEE. 2017, pp. 928–935.

Peter Wang, Srinath Sibi, Brian Mok, **Wendy Ju**. “Marionette: Enabling on-road wizard-of-oz autonomous driving studies”. In: *Proceedings of the 2017 ACM/IEEE international conference on human-robot interaction*. 2017, pp. 234–243.

Amir H Ghasemi, Mishel Johns, Benjamin Garber, Paul Boehm, Paramsothy Jayakumar, **Wendy Ju**, R Brent Gillespie. “Role negotiation in a haptic shared control framework”. In: *Adjunct proceedings of the 8th international conference on automotive user interfaces and interactive vehicular applications*. 2016, pp. 179–184.

Mishel Johns, Brian Mok, David Sirkin, Nikhil Gowda, Catherine Smith, Walter Talamonti, **Wendy Ju**. “Exploring shared control in automated driving”. In: *2016 11th ACM/IEEE International Conference on Human-Robot Interaction (HRI)*. IEEE. 2016, pp. 91–98.

Wendy Ju. “Power in Human Robot Interactions.” In: *Robophilosophy/TRANSOR*. 2016, pp. 13–14.

Jamy Li, M.J. Cho, Xuan Zhao, Bertram .F. Malle, **Wendy Ju**. “From Trolley to Autonomous Vehicle: Perceptions of Responsibility and Moral Norms in Traffic Accidents with Self-Driving Cars.” In: *Society of Automotive Engineers World Congress*. Society of Automotive Engineers. 2016.

Jamy Li, **Wendy Ju**. “Ms. Robot Will Be Teaching You: Robot Lecturers in Four Modes of Automated Remote Instruction.” In: *AAAI Spring Symposia*. 2016.

Jamy Li, **Wendy Ju**, Byron Reeves. “Touching a Mechanical Body: Tactile Contact of a Human-Shaped Robot is Physiologically Arousing”. In: *International Communication Association Conference*. International Communication Association. 2016.

Nikolas Martelaro, Victoria C Nneji, **Wendy Ju**, Pamela Hinds. “Tell me more designing HRI to encourage more trust, disclosure, and companionship”. In: *2016 11th ACM/IEEE International Conference on Human-Robot Interaction (HRI)*. IEEE. 2016, pp. 181–188.

Nikolas Martelaro, Michael Shiloh, **Wendy Ju**. “The interaction engine: Tools for prototyping connected devices”. In: *Proceedings of the TEI'16: Tenth International Conference on Tangible, Embedded, and Embodied Interaction*. 2016, pp. 762–765.

Romain Michon, Mishel Johns, Sile O’Modhrain, Nick Gang, Nikhil Gowda, David Sirkin, Chris Chafe, Matthew James Wright, **Wendy Ju**. “A Faust Based Driving Simulator Sound Synthesis Engine”. In: *In Proc. 13th Sound and Music Computing Conference, Hamburg Germany Aug 31st-Sept 3rd*. 2016.

David Miller, Mishel Johns, Brian Mok, Nikhil Gowda, David Sirkin, Key Lee, **Wendy Ju**. “Behavioral measurement of trust in automation: the trust fall”. In: *Proceedings of the human factors and ergonomics society annual meeting*. Vol. 60. 1. SAGE Publications Sage CA: Los Angeles, CA. 2016, pp. 1849–1853.

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Brian Mok, Mishel Johns, Nikhil Gowda, Srinath Sibi, **Wendy Ju**. “Take the Wheel: Effects of Available Modalities on Driver Intervention”. In: *Proceedings of IEEE Intelligent Vehicles Symposium*. IEEE. 2016.

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Ilan Mandel, **Wendy Ju**. *Frankenstein’s Toolkit: Prototyping Electronics Using Consumer Products*. 2023. arXiv: [2303.13618](https://arxiv.org/abs/2303.13618) [cs.HC].

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Andrea Cuadra, Hansol Lee, Jason Cho, **Wendy Ju**. *Look at Me When I Talk to You: A Video Dataset to Enable Voice Assistants to Recognize Errors*. 2021. arXiv: [2104.07153](https://arxiv.org/abs/2104.07153) [cs.HC].

Wendy Ju, Ilan Mandel, Kevin Weatherwax, Leila Takayama, Nikolas Martelaro, Denis Willett. *Remote Observation of Field Work on the Farm*. 2021. arXiv: [2103.03163](https://arxiv.org/abs/2103.03163) [cs.CY].

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Natalie Friedman, Asmita Mehta, **Wendy Ju**. “Utility Belt for an Agricultural Robot: Reflections on Performing Design Research in the Field”. In: *2023 18th ACM/IEEE International Conference on Human-Robot Interaction (HRI)*. ACM. Mar. 2023.

David Goedicke, Harald Haraldsson, Navit Klein, Lunshi Zhou, Avi Parush, **Wendy Ju**. “Rerun: Enabling Multi-Perspective Analysis of Driving Interaction in VR”. In: *2023 18th ACM/IEEE International Conference on Human-Robot Interaction (HRI)*. ACM. Mar. 2023.

Avital Dell’Ariccia, Alexandra Bremers, Johan Michalove, **Wendy Ju**. “How to Make People Think You’re Thinking if You’re a Drawing Robot: Expressing Emotions Through the Motions of Writing”. In: *2022 17th ACM/IEEE International Conference on Human-Robot Interaction (HRI)*. IEEE. Feb. 2022, pp. 1190–1191.

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Nikolas Martelaro, **Wendy Ju**. “WoZ Way: Enabling real-time interaction prototyping and on-road observation (demo)”. In: *Proceedings of the 2017 Conference on Computer Supported Cooperative Work*. DOI: <http://dx.doi.org/10.1145/2998181.2998293>. Best Demonstration Award. 2017.

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Jamy Li, **Wendy Ju**. “Robots+ Agents for MOOCs: What if Scott Klemmer were a Robot? (video)”. In: *Proceedings of the Tenth Annual ACM/IEEE International Conference on Human-Robot Interaction Extended Abstracts*. 2015, pp. 279–279.

David Sirkin, Brian Mok, Stephen Yang, **Wendy Ju**. “Mechanical ottoman: Engaging and taking leave (video)”. In: *Proceedings of the Tenth Annual ACM/IEEE International Conference on Human-Robot Interaction Extended Abstracts*. 2015, pp. 275–275.

David Sirkin, Brian Mok, Stephen Yang, **Wendy Ju**. “Mechanical Ottoman: Up Close and Personal (demo)”. In: *Proceedings of the Tenth Annual ACM/IEEE International Conference on Human-Robot Interaction Extended Abstracts*. 2015, pp. 297–297.

Stephen Yang, Brian Mok, David Sirkin, **Wendy Ju**. “Adventures of an adolescent trash barrel (video)”. In: *Proceedings of the Tenth Annual ACM/IEEE International Conference on Human-Robot Interaction Extended Abstracts*. 2015, pp. 303–303.

Kristin Neidlinger, **Wendy Ju**. “SENSOREE Therapeutic Bio.media (demo)”. In: *Proceedings of International Symposium on Wearable Computers*. 2011, pp. 102–105.

Wendy Ju. “Origami Desk (demo)”. In: *Adjunct Proceedings of CHI 2002*. 2002.

Wendy Ju, Leonardo Bonanni, Richard Fletcher and Rebecca Hurwitz, Tilke Judd, Rehmi Post, Matthew Reynolds, Jennifer Yoon. “Emerging Technologies Exhibit: Origami Desk (demo)”. In: *Computer Graphics and Interactive Techniques (SIGGRAPH 2001)*. 2001.

OTHER WORKS (CURATED)

Invited Articles **Wendy Ju**, Sharon Yavo-Ayalon. “Autonomous Futures: Implications for Smart Cities”. In: *Technology|Architecture + Design* 6.2 (2022), pp. 133–137.

Christian P Janssen, Ronald Schroeter, Nicola J Bidwell, Yong Gu Ji, Ignacio Alvarez, Shan Bao, Myounghoon Jeon, Linda Ng Boyle, Stella F Donker, Lewis L Chuang. “Auto-UI: Global Perspectives”. In: *Interactions* 27.6 (2020), pp. 7–9.

Nikolas Martelaro, **Wendy Ju**. “Cybernetics and the design of the user experience of AI systems”. In: *interactions* 25.6 (2018), pp. 38–41.

Wendy Ju. "What are you reading?" In: *interactions* 23.4 (2016), pp. 14–15.

Exhibits Origami Desk, 2002. Boston Museum of Science. March 24-31, 2002.

Courses and Workshops Matthias Baldauf, Peter Fröhlich, Virpi Roto, Philippe Palanque, Siân Lindley, Jon Rogers, **Wendy Ju**, and Manfred Tscheligi. "Engaging with Automation: Understanding and Designing for Operation, Appropriation, and Behaviour Change." Workshop at CHI 2022, New Orleans, April 30, 2022.

Andreas Reiner, **Wendy Ju**, Bastian Pfleging. Dagstuhl Seminar on Radical Innovation and Design in the Age of Connected and Autonomous Vehicles. May 29-June 3, 2022, Schloss Dagstuhl, Wadern Germany.

Wendy Ju, David Goedicke. 2019-20. Neural Nets for Music. Workshop in Stanford Center for Research in Music and Acoustics Summer Workshop series. 2019 Stanford, CA, 2020 online.

Matthias Baldauf, Peter Fröhlich, Shadan Sadeghian, Phillippe Palanque, Virpi Roto, **Wendy Ju**, Lynne Baillie, Manfred Tscheligi. Automation Experience at the Workplace. Workshop at CHI 2021, May 7, 2021.

David Goedicke, Hamish Tennent, Dylan James Moore, **Wendy Ju**. Acoustically Aware Robots: Detecting and evaluating sounds robots make and hear. Virtual Tutorial at HRI 2021, March 9-11.

Natalie Friedman, Kari Love, Alexandra Bremers, AJ Parry, Ray LC, Bolor Amgalan, Jen Liu, **Wendy Ju**. Clothes for robots: An interactive workshop on how clothes can be functional for robots. Virtual Tutorial at HRI, March 12, 2021.

Wendy Ju & David Sirkin. Designing interaction at a Distance. Human-Machine Interaction workshop held online for Bezalel Academy of Arts and Design, Jerusalem. January 21, 22 & 28, 2021.

Wendy Ju, Helen Nissenbaum, Silvia Ferrari, Jake Goldenfein, Sharon Ayalon. Autonomous Vehicles: What's the worst that could happen? Friday, March 13, 2020. Cornell Tech/online.

David Sirkin, Nikolas Martelaro, **Wendy Ju**. (repeated) Make This! Introduction to Electronics Prototyping Using Arduino. Course at Human Factors in Computing Systems (2013-2014, with David Sirkin, 2016-2019, with David Sirkin, Nikolas Martelaro).

Nikhil Gowda, David Sirkin, **Wendy Ju**. 2016. Prototyping HMI for Autonomous Vehicles. In Automotive User Interfaces and Interactive Vehicular Applications (AutoUI 2016). Ann Arbor, MI.

Alexander Meschtscherjakov, Manfred Tscheligi, Dalia Stostak, Sven Krome, Rabindra Ratan, Bastian Pfleging, Ioannis Politis, Sonia Baltodano, David Miller, & **Wendy Ju**. 2016. HCI and Autonomous Vehicles: Contextual Experience Informs Design. Workshop. Human Factors in Computing Systems (CHI 2016). San Jose, CA.

Nikolas Martelaro, Michael Shiloh & **Wendy Ju**. 2016. The Interaction Engine: Tools for Prototyping Connected Devices. In *Tangible, Embedded, and Embodied Interaction (TEI 2016)*. Eindhoven, Netherlands.

Andreas Riener, Ignacio Alvarez, Lewis Chuang, **Wendy Ju**, Bastian Pfleging and Mario Chiesa. 2015. Practical Experiences in Measuring and Modeling Drivers and Driver-Vehicle Interactions. In *Automotive User Interfaces and Interactive Vehicular Applications (AutoUI 2015)*. Nottingham, UK.

Wendy Ju, Edgar Berdahl, 2009-2012. New Music Controllers. Workshop in Stanford Center for Research in Music and Acoustics Summer Workshop series. Summer 2009-2012. Stanford, CA.

Wendy Ju, Matthew Wright, 2005. Physical Interaction Design. Workshop in Stanford Center for Research in Music and Acoustics Summer Workshop series. Summer 2005. Stanford, CA.

PATENTS

Walter Joseph Talamonti, Mishel Johns, **Wendy Ju**. *Steering-wheel control mechanism for autonomous vehicle*. US Patent 10,538,268. Jan. 2020.

Walter Joseph Talamonti, Mishel Johns, **Wendy Ju**. *Steering-wheel feedback mechanism*. US Patent 10,259,496. Apr. 2019.

RESEARCH GRANTS & GIFTS

Awarded, PI National Science Foundation IIS-2212431: **NSF-BSF: HCC: Medium: Cultural Differences in Pedestrian-Autonomous Vehicle Interaction**
With Qian Yang, Cornell, and Avi Parush, Technion
Amount: \$599,986
Dates: 9/01/2022 - 9/30/2024

National Science Foundation IIS-2107111: **HCC: Medium: Cultural Differences in Driving Interaction**
With Qian Yang, Cornell, and Avi Parush, Technion
Amount: \$800,000
Dates: 10/01/2021 - 9/30/2024

National Science Foundation IIS-2028009: **RAPID: Tracking Urban Mobility and Occupancy under Social Distancing Policy**
Amount: \$49,705
Dates: 5/1/2020-10/31/20

Awarded, Co-PI National Science Foundation IIS-2222534: **FW-HTF-P: Using Technology to Transform Makers into Creative Entrepreneurs**
With Nikolas Martelaro, Laura Dabbish, and Yasmine Kotturi, CMU, and Mukti Khaire, Cornell

Amount: \$101,201

Dates: 10/01/2022 - 9/30/2023

Australian Research Council. **Intention-Aware Cooperative Driving Behaviour Model for Automated Vehicles.**

With Andry Rakotonirainy and Ronald Schroeter, Queensland University of Technology. Amount: AUD\$ 403,052 Dates: 5/29/2018 – 5/28/2021 (extended to 12/31/2021)

Industrial Tata Consulting Group. **Public Interaction with Everyday Mobile Robots**
Awarded \$153,484, 8/1/2022-12/31/22.

Tata Consulting Group. **Immersive XR experiences to transform community awareness of climate issues** Awarded \$153,484, 1/1/2022-6/30/23.

Woven Planet. **Authoring and Adapting Mixed Reality On-Road Driving Simulation.** Awarded \$203,876, 9/1/2022 – 12/31/2023.

Toyota Research Institute. **Virtual Reality On-rOad driving simulation.**
Awarded \$149,922, 5/1/2019 – 4/30/2020. *(extended \$88,752.00 to 3/31/2022)*

Nissan Motor Company. **Social Intelligence in the Automobile.** Awarded \$95,000, 11/30/2021-6/30/2022.

Nissan Motor Company. **Active Learning to Understand Family Social Behaviors in the Automobile.** Awarded \$54,495, 12/1/2020-3/31/2021.

Nissan Motor Company. **Transforming Uncomfortable Silences Into Comfortable Silences.** Awarded \$84, 127, 6/1/2019-12/31/2019.

Mitsubishi Motors. **Toolkit for Evaluating Interactive Artificial Intelligence Systems.** Awarded \$82,964, 11/14/2018 – 4/30/2019.

Toyota Research Institute. **Understanding Driver State in Laboratory and Naturalistic Environments.** Awarded \$1,560,000. 12/1/2015 – 11/30/2018.

Ford Motor Company. **Shared Control in Driver Vehicle Automation.** Awarded \$262,961.00. 1/1/2017 – 12/31/2018.

Ford Motor Company. **Socially Acceptable Motion for Pedestrian Assistive Devices.** Awarded \$262,810.00 1/1/2017 – 12/31/2018.

Intramural, PI Multi-Investigator Seed Grant. **Designing Voice Interaction for People with Tetraplegia.**

With Joel Stein, Shiri Azkenkot, Malte Jung, Cornell. Amount: \$2000

Dates: January 15 – April 30, 2020 (extended due to COVID-19)

Intramural, Co-PI Cornell Initiative for Digital Agriculture Research Initiation Fund. **Co-creating a human-machine interface better adapted for on-farm data recording, curation, management, and use.**

With Louis Longchamps, Immanuel Turner, Diane Bailey, Cornell. Amount: \$150,000

Dates: 10/1/2021-9/31/23

HONORS & AWARDS

Computer Research Association Leadership Academy. May 22-23, 2023.

Amazon Research Award. Enabling Machines to Recognize and Repair Errors in Interaction. Winter 2020.

Mozilla Research Grant. Look at Me When I Talk to You: Video Data Corpus of People Reacting to Chatbot Answers to Enable Error Recognition and Repair. Fall 2017.

Best Student Paper Award. IEEE Intelligent Transportation Systems 2017. For “Actions Speak Louder: Effects of a Transforming Steering Wheel on Post-Transition Driver Performance.” With Brian Mok, Mishel Johns, Stephen Yang.

Best Poster Paper Finalist. IEEE World Haptics 2017. For “Comparing Haptic and Audio Navigation Cues on the Road for Distracted Drivers with a Skin Stretch Steering Wheel.” With Christopher Ploch, Jung Hwa Bae, Mark Cutkosky.

Best Demonstration Award. ACM Computer Supported Cooperative Work 2017. For “WoZ Way: Enabling real-time remote interaction prototyping & observation in on-road vehicles.” With Nikolas Martelaro.

Best Student Paper Nomination, Surface Transportation Track, Human Factors and Ergonomics Society 2016 Annual Meeting, Washington DC. Oct 2016. With David Miller, Mishel Johns, Brian Mok, Nikhil Gowda, David Sirkin, & Key Lee.

Highlight Presentation (Top 20 papers out of 800), Intelligent Robots and Systems (IROS 2016), Daejeon, Korea, Oct, 2016. With Christopher Ploch, Jung Hwa Bae, & Mark Cutkosky.

Best Student Paper, Surface Transportation Track, Human Factors and Ergonomics Society 2015 Annual Meeting. Los Angeles, CA. Oct 2015. With David Miller, Annabel Sun, Mishel Johns, Page Ive, David Sirkin & Sudipto Aich.

Best Demonstration Award, ACM/IEEE Human-Robot Interactions Conference 2015 for Mechanical Ottoman. Portland, OR. Mar 2015. With David Sirkin, Brian Mok & Stephen Yang.

Google Faculty Research Award. Sensing and Responding to Driver Emotion. Winter 2015. *With Larry Leifer.*

Intel Foundation PhD Fellowship, Stanford University, AY 2005 – 2007.

RECOGNITION

Invited talks Invited Workshop Keynote. Holistic HMI Design for Automated Vehicles: Bridging In-Vehicle and External Communication. September 18, 2023. Automotive UI 2023, Ingostadt, Germany

Invited Colloquium Talk, Strangers Passing: On Public Interactions Between People and Autonomous Systems, May 12, 2023, Chalmers University, Gothenburg Sweden.

Invited Keynote, Interaction Intelligence for Automation XP, 2023 CHI Workshop on AutomationXP23: Intervening, Teaming, Delegating - Creating Engaging Automation Experiences, April 23, 2023, Online/Hamburg Germany.

Invited Plenary Talk, Strangers Passing: On public interactions between people and autonomous systems, 2022 IFAC Workshop on Cyber-Physical Human Systems, December 1-2, 2022, Houston, Texas.

Guest lecturer, Interaction Intelligence for Robots and beyond. CS 339H: Human-Computer Interaction and AI/ML, Stanford University CS, December 1, 2022. Online.

Invited speaker, Interaction Intelligence for Robots and beyond. Rice University CS Colloquium, November 30, 2022. Houston, Texas.

Invited speaker, Interaction Intelligence for Robots. Accenture Distinguished Researcher Speaker Series, October 21, 2022. Online.

Invited Keynote, Understanding People is the Hardest Part of Automation, FFVC Drones and Robots Summit, September 20, 2022, New York City.

Invited Keynote, Participatory Design in Human-Robot Interaction for RO-MAN, August 29 2022, Naples, Italy.

Invited speaker, Toward a Theory of AI Practice, at the Bellagio Conference Center in Lake Como, Italy, July 18-22, 2022.

Invited Keynote, Symposium on Human-Computer Interaction for Work (CHIWORK) annual meeting, June 8-9 2022 at Durham, New Hampshire.

Invited Spotlight talk Speaker, Cornell Leadership Week. March 25th, 2022.

Invited Speaker, American Technion Society's Presidential Forum, New York City. Meeting the Grand Challenges of the 21st Century. March 17-19th, 2022.

Invited Speaker, 2nd International Workshop on Designery HRI Knowledge. Reflecting on HRI practices through Annotated Portfolios of Robotic Artefacts. Human Robot Interactions 2022, March 11th, 2022, online.

Invited Speaker, "The Car as a Vehicle for Understanding Interaction at Scale," Northwestern University Mechanical Engineering Seminar Series (online), November 1, 2021.

Colloquium Speaker, "Theatre of the Car." University of New Mexico Computer Science Department, September 15, 2021.

Invited Keynote, IJCAI workshop on AI for Autonomous Driving. Montreal, Canada (virtual). <https://www.ai4ad.net> August 20, 2021.

Featured Speaker, "Innovation and Automation: the drive to autonomous vehicles" Cornell Silicon Valley Annual Conference (online). March 30th, 2021.

Invited Speaker, "Design as the stage where knowledge is performed." HRI Research through Design Workshop. Boulder, CO (online). March 8, 2021.

Invited Speaker, "Tracking Urban Mobility and Occupancy under Social Distancing Policy." Federal Privacy R&D Interagency Working Group. Washington DC (online). February 5, 2021.

Invited Speaker, "Invisible Robots." Guest lecture 16-831 Statistical Techniques in Robotics - "RoboStats", Carnegie Mellon University (online), November 19, 2020.

Invited Seminar Speaker, "Remote observation of farm vehicle interaction." Cornell Initiative for Digital Agriculture (CIDA) Seminar Series (online). November 16, 2020.

Invited Seminar Speaker, "Prototyping Possible Futures" Guest lecture for DEA 1110 Making a Difference by Design. Cornell (online). September 30, 2020.

Invited Keynote, "Interaction Research in the Age of the Pandemic." First annual Summer School of the Research Training Group "Social Embeddedness of Autonomous Cyber Physical Systems". University of Oldenburg (online). September 1, 2020.

Invited Panelist, "Robots everywhere?!? Interacting with robots in tomorrow's society," June 4, 2020. Part of HCI and the Future of Work and Wellbeing: A series of Conversations.

Invited Speaker, "Implicit Interactions." Guest lecture HRI Graduate Seminar, UC Santa Cruz (online), April 28 2020.

Invited Speaker, "A Car is a Robot You Sit Inside of." Temple University. Philadelphia, PA. February 3, 2020.

Guest Speaker, "How can we design with AI & Machine Learning?", AI & Society class at Carnegie Mellon, January 22, 2020.

Invited Speaker, "Invisible Robots," Brooklyn Tech. New York, NY. December 6, 2019.

Invited Talk. "Invisible Robots," Northeast Robotics Colloquium. University of Pennsylvania, PA. October 12, 2019.

Invited Panelist, "DARQ Matters," Silicon Harlem Sixth Annual Next-Gen Tech Conference & Job Fair. New York, NY. October 18, 2019.

Invited Speaker, "Theatre of the Car," Cognizant Autonomous Systems for Safety Critical Applications Conference, Miami, FL. September 17, 2019.

Invited Speaker, "Where did this \$@#?! Autonomous Car Learn to Drive? Addressing Cross-cultural differences Autonomous Car Design," Mozilla, Mountain View, CA. August 1, 2019.

Invited Keynote Discussant, "Sympathy for the Devil," ACM Designing Interactive Systems, San Diego, CA. June 27, 2019.

Invited Participant, ISAT/DARPA Workshop on "Designing for Values, Interactivity, Contestability, & Ethics in Systems (DeVICES)" Berkeley, CA. April 2-3, 2019.

Invited Speaker, “Putting Humans in the AV Driver’s Seat: Autonomous Vehicles–People, Policy and Law.” Workshop on Transportation Technology & Society, University of Connecticut. April 1, 2019.

Invited Participant. Dagstuhl seminar on “Users and automated driving systems: How will we interact with tomorrow’s vehicles?” Dagstuhl, Germany. March 24-29, 2019.

Invited Participant. NSF Embodied Conversational Agent-Human Robot Interaction Workshop. Boulder, CO. October 20-22, 2018.

Invited Panelist, with Yumi Kawabata, Ben Rabinowitz. Going Global: The Future of Auto Tech Opportunities for U.S.-Japan-Israel Cooperation. October 17, 2018.

Invited talk. Theatre of the Future: Autonomous Vehicles as a Test Case for Designing for Speed, Speed Conference, September 28-29, 2018. New York City, NY.

Speaker & Moderator. Designing Smart Objects, Sketching in Hardware Conference, July 27-29, 2018. Detroit, MI.

Invited Panelist, with Mariette DiChristina, moderator, Jessica Brillhart, Matthew Liao, Hod Lipson, Max Tegmark, 2018, panelist. To be or not to be bionic: on immortality and superhumanism, World Science Festival, June 2, 2018. New York City, NY.

Invited talk. Beyond Brains and Beauty: Design in the Age of AI. Humanizing AI workshop, Stockholm, Sweden. May 31, 2018.

Session Leader, Everyday Interaction with Robots. President’s Council of Cornell Women, New York City, NY. April 13, 2018.

Invited Panelist, with Ikeuchi Katsushi, Oishi Takesi, Miles Pennington. Re: Rethinking the Robot. UTokyo-NY workshop. New York City, NY. March 22, 2018.

Invited Speaker. Apple University Presents. Cupertino, CA. August 13, 2018.

Invited Participant. Dagstuhl seminar on “Human-Computer Integration.” Dagstuhl, Germany. August 5-10, 2018.

Featured Panelist. Future of Robotics. Design Lab, New York City, NY. March 22, 2018.

Invited Speaker. Demystifying Self-driving Vehicles. Urban Land Institute, Tata Center for Innovation. New York City, NY. February 21, 2018.

Invited Speaker, with director Alex Rivera. Discussion on Sleep Dealer. Science on Screen series. Museum of the Moving Image, Astoria, New York City, NY. December 3, 2017.

Invited Speaker. 2017. A Car is a Robot You Sit Inside of. Human-Robot Interaction Mini-Symposium. Cornell, Ithaca, NY. November 26, 2017.

Invited Panelist, with Stefan Heck, Clay Kunz, & Joshua Greene. “When the Ethics Meets the Road - How Should Cars Decide?” Stanford Symbolic Systems 30th

Anniversary Celebration weekend. Stanford, CA. May 19, 2017.

Invited plenary speaker. "Power in Human Robot Interactions." Robo-Philosophy Conference. Oct 17-21, 2016. Aarhus, Denmark.

Closing keynote speaker. "Robots in Our Midst." MexIHC, Mexican Conference on Human-Computer Interaction. Sep 21-23, 2016. Colima, Mexico.

Invited speaker. "A Field Guide to Robots." Symposium on Robots in Public Spaces. Sep 14, 2016. University of Twente, Netherlands.

Invited Participant. Dagstuhl seminar on "Automotive User Interfaces in the Age of Automation." June 26-July 1, 2016. Dagstuhl, Germany.

Invited Panelist, with Stelarc, Natalie Jeremijenko, Cat Matson. "Never Mind: Beyond Flesh and Body." ACM 2016 Designing Interactive Systems Conference. Plenary Discussion Panel. Jun 4-8, 2016. Brisbane, Australia.

Invited keynote. "Trust and Interaction in Public Spaces." Social Trust in Autonomous Robots Workshop. 2016 Robotics: Science and Systems Conference. Jun 18-22, 2016. Ann Arbor, MI.

Panelist. "Four Women in Robotics." With Sabrina Merlo. (Moderator), Nan Eastep, Tessa Lau, Lisa Winter. Maker Faire Bay Area. May 21, 2016. San Mateo, CA.

Panelist. "One Robot Doesn't Fit All." South by Southwest Interactive. Nuri Kim. (Moderator). Leila Takayama, Thav Ranatunga, Wendy Ju. Mar 12, 2016. Austin, TX.

Invited Speaker. "Theatre of the Car." Milano Design PhD Festival, Italy. Mar 9, 2016. Milan, Italy.

Invited Panelist. "The Next Big Thing: Is Typing Dead?" Brian Cooley & Tim Stevens. (Moderators). Marcus Behrendt, Susan Bennett, Wendy Ju, Patti Maes, Vlad Sejnoha. Consumer Electronics Show. Jan 6, 2016. Las Vegas, NV.

Invited speaker for UC Berkeley Institute of Design Seminar Series. Dec 15, 2015. Berkeley, CA.

Invited speaker for General Robotics, Automation, Sensing and Perception (GRASP) Lab at University of Pennsylvania. Dec 6, 2015. Philadelphia, PA.

Invited Keynote Speaker. "Welcome Robot Overlords?" International Conference on Social Robotics. Oct 29, 2015. Paris, France.

Invited talk. "Transforming Design: Interaction with Robots and Cars." Stanford's HCI Seminar on People, Computers and Design. Oct 9, 2015. Stanford, CA.

Invited talk. "Theatre of the Car." Distinguished Speaker Program in Computer Science at Instituto Tecnológico Autónomo de México (ITAM). Aug 22, 2015. Mexico City, Mexico.

Invited speaker. "Car as Theatre." Autospaces 2015 at Art Center. May 21, 2015. Pasadena, CA.

Invited speaker. “Driven By Design.” Automotive Cockpit Human-Machine Interaction 2015 Symposium, May 19-21, 2015. Detroit, MI.

Invited panelist. “Challenges in Human Machine Interaction.” With Sean Andrist (moderator), Hirshberg, J, & Ward, N. (panelists). At AAAI Spring Symposium on Turn-taking and Human-Machine Interaction. Mar 23-25, 2015. Stanford, CA.

Invited panelist. “Human Robot Interaction Pioneers.” With Daniel Szafr (moderator), Adriana Tapus, & Christoph Bartneck (panelists) Workshop at Human-Robot Interaction 2015. Mar 2, 2015. Portland, OR.

Invited panelist. “The Role of Technology in the Design School Curriculum.” With Andrew Maxwell-Parish (moderator), Michael Shiloh, Asta Rose, Phillip van Allen, Donald Norman, M.W Meyer, J. Date. (panelists) 2015. Interaction Design Association 2015 Education Summit. Feb 8th, 2015. San Francisco, CA.

Invited Speaker. “Creating Connections.” UC San Diego Design At Large Lecture Series. Oct 6, 2014. San Diego, CA.

Invited panelist. “Autonomous Driving.” With Dalia Szostak, (moderator), Jim Foley, Jay Joseph, Sam LaMagna, Sabine Langlois, Lee Skrypchuk (panelists). AutoUI. Sep 19, 2014. Seattle, WA.

Invited panelist. “System Engineering Human-Centered Intelligent Vehicles.” With Lefevre, S. (moderator), Mohan Trivedi, Christian Schlegel (panelists). Workshop at IEEE International Conference on Systems, Man, and Cybernetics. Oct 5, 2014. San Diego, CA.

Invited panelist. “Toward 2020: Human Interaction with Autonomous Vehicles.” With Martin Sierhus & Vanessa Evers (moderators), Manfred Tscheigli, Ulrich Bueker, Bernhard Sendhoff (panelists). ACM/IEEE International Conference on Human-Robot Interaction. Mar 3-6, 2014. Bielefeld, Germany.

Invited speaker. “The Mechanical Ottoman (& other interactive furnishings).” UC Berkeley Institute of Design Guest Lecture Series. Oct 22, 2013. Berkeley, CA.

Invited talk. “Sketching at Berkeley.” With Bjoern Hartmann. Sketching in Hardware 2013. Jul 19-21, 2013. Palo Alto, CA.

Invited panelist. “From Android to Humanoid: Human-Computer Interaction and the Next Generation of Robotics.” With Alex Madrigal (Moderator) & David Hanson, panelists. The Atlantic’s Big Science Summit, Oct 30, 2012. San Jose, CA.

Invited Keynote. “How Motion Matters.” Keynote speaker for Diseño + Tecnología, 5th International Meeting of Research in Design. Universidad Icesi, Oct 25 – 27, 2012. Cali, Colombia.

Invited Participant. William Drenttel & Michael Mossoba, organizers. Winterhouse Third Symposium on Design Education and Social Change. Symposium participant. Yale University, Aug 19-21, 2012. New Haven, CT.

Invited Speaker. “New Trajectories in Teaching Electronics.” Presentation at

Sketching in Hardware 2012. Jul 20-22, 2012. Portland, OR.

Invited Speaker. "How Motion Matters." Invited talk at Berkeley Center for New Media Feb 21, 2012. Berkeley, CA.

Invited Speaker. "Designing Implicit Interactions." Guest lecture for Tangible User Interfaces course at UC Berkeley School of Information. Nov 21, 2011. Berkeley, CA.

Invited Speaker. "WiiScience." with Terry Winograd. Innovative Learning Conference at Nueva School. Oct 21, 2011. Hillsborough, CA.

Invited Participant. William Drenttel, organizer. Winterhouse Second Symposium on Design Education and Social Change: Program Description. Symposium participant. Hotchkiss School, Aug 14-16, 2011. Lakeville, CT.

Invited Speaker. "Future or Alternatives in the role of Design in Exhibitions." With Brett McFadden & Scott Thorpe. CCA Wattis Institute for Contemporary Arts' Wider White Space Faculty Lecturer Series. Feb 3, 2010. San Francisco, CA.

Invited Speaker. Designing Implicit Interactions. Invited speaker for Device Design Day 2010, Aug 20, 2010. San Francisco, CA.

Invited panelist. "Design." With Tara McPherson. (Moderator), Anne Balsamo, & Micahel Century. Online panel discussion for HASTAC, Jul 28, 2010.

Invited Speaker. "Reverse Engineering by Demonstration." With Bjoern Hartmann. Presentation at Sketching in Hardware 2010. July 23-25, 2010. Los Angeles, CA.

Invited Speaker. "Thoughts on Physical Interaction Design." CCA Graduate Lecture Series, Sep 23, 2008. San Francisco, CA.

Invited Speaker. "The Design of Implicit Interactions." Stanford CS547 Seminar on People, Computers and Design. May 18, 2007. Stanford, CA.

Invited Speaker. "The Design of Implicit Interactions." Special talk at MIT Media Lab Apr 10, 2007. Stanford, CA.

Invited Speaker. "The Design of Implicit Interactions." Seminar talk for Berkeley Expert System Technologies group. Nov 15, 2006. Berkeley, CA.

Invited Speaker. "The Emperor's New New Clothes: The Challenges of Designing Implicit Interactions." Cornell Information Science Colloquium. May 4, 2005. Ithaca, NY.

Invited presenter. "CardioCar: Embedded Assessment on the Go." Workshop on HCI challenges in Health Assessment, CHI 2005. Apr 2005, Portland, OR.

Invited panelist. "Can we learn anything about the process of UI design?" With Mountford, S Joy, organizer. Sally Grisedale, Jan-Christoph Zoels, Ramia Mazé, Monica Bueno, panelists. In Designing Interactive Systems (DIS 2002). Jun 25-28, 2002. London, UK.

Press Interview, As It Happens, Canadian Broadcasting Corporation Radio. August 3, 2023.

Abby Hughes, "New Yorkers treat these remote-controlled 'robot' garbage bins like people, say researchers" August 3, 2023.

Catalina Gonella, "These 'trash bots' have been helping keep Brooklyn's Albee Square clean," Gothamist. August 2, 2023.

Roger Clark, "Robots helping keep Downtown Brooklyn clean," NY1. August 1, 2023.

Roosevelt Islander, "Remote Controlled Trash Barrel Robots Tested At Astor Place Plaza By Cornell Tech Researchers - Do You Find Them Friendly Or Creepy, Will Cornell Tech Trash Barrel Robots Be Coming To Roosevelt Island Next?" Roosevelt Islander Online, May 1, 2023.

Patricia Waldron, "(Almost) everyone likes a helpful trash robot," Cornell Chronicle. April 19, 2023.

Mike Snider, "Robots in the Big Apple: Robo-trash cans patrolling New York plaza make friends, creep out some." USA Today, April 15, 2023.

CNN Business, "These robotic trash cans were filmed to test human-robotic interactions. Watch what happened" CNN Business. April 11, 2023.
<https://www.cnn.com/videos/business/2023/04/11/robotic-trash-cans-nyc-cornell-contd-orig-fj.cnn-business>

AAP Communications, "Best designed by doing: radical hybrid thinking across disciplines," Cornell Chronicle. September 13, 2022

Technion USA, "Keeping It Human: Professor Wendy Ju studies ways to design autonomous machines that understand us." July 2022.

Tom Fleishman, "Mixed-Reality Driving Simulator a Low-Cost Alternative" Cornell Chronicle, April 28, 2022.

Technion USA, "A Decade of Jacobs Technion-Cornell Institute Impact." April 2022.

Adam Conner-Simons, "Do robots need clothes? Yes, for form and function." Cornell Chronicle, July 29, 2021.

Natalie Hoke, "Proactive Agent Design: Interview with Dr. Wendy Ju, Cornell Tech." July 27, 2021.

World Economic Forum. "Top 10 Emerging Technologies 2020." 10 November 2020.

Cornell Chronicle EZRA. "Faculty profiles: Four new hires bring vitality to campus." May 6, 2020.

Melanie Lefkowitz, "'Ghostdrivers' test cultural reactions to autonomous cars." Cornell Chronicle, April 22, 2020.

Carolyn Beans. "This Would Be a Really Great Moment for Food Delivery Robots." March 25, 2020. Slate.

Technion USA, "Jacobs Technion-Cornell Institute Internship Checks All the Right

Boxes." November 14, 2019.

Alexandra Chang, "Human Robot Interaction." Cornell Research, June 2019.

Melanie Lefkowitz, "Cornell hosts largest-ever High School Programming Contest." Cornell Chronicle, April 11, 2019.

Ophélie Surcouf, "Les robots seront-ils un jour des humains comme les autres?" Korii, January 17, 2019.

Nikolas Martelaro, Wendy Ju, "Cybernetics and the Design of the User Experience of AI Systems." In Interactions, 25(6), November-December 2018, 38-41.

Melanie Lefkowitz, "Speed Conference at Cornell Tech examines the pace of a digital world," Cornell Chronicle, October 3, 2018.

Carolyn Said, "Move over, R2-D2: Friendly robot sidekick Vector to hit market this fall," August 8, 2018.

Nicole Gelinas, "How Far Can Driverless Cars Take Us?" City Journal, Summer 2018.

Mikhail Mansion, "Musical Instruments, Transformed" Core 77. June 12, 2018.

Syl Kacapyr, "Cornell partners with Italian universities, automakers on 'vehicle intelligence'," Cornell Chronicle, May 14, 2018.

Tom Guarriello, Carla Diana, "Dr Wendy Ju on Autonomous Ecosystems," Robopsych podcast, May 7, 2018.

Wendy Ju, "Prototyping Experiences" Design Everywhere podcast, March 30, 2018.

Melinda Sacks, "Traveling in the age of driverless cars," Stanford Magazine, March 20, 2018.

Evan Ackerman, "Transforming Robotic Steering Wheel Is a Reminder That Your Car Needs You," IEEE Spectrum, 22 February 2018.

Ockmann Von Frank, "Kann man selbstfahrenden Autos überhaupt vertrauen?," Stern, 11 February 2018.

Sophia Stuart, "How Dr. Wendy Ju Designs Robots That Won't Freak You Out," PC Magazine, 18 December 2017.

Matthew Hutson, "A Matter of Trust: Researchers are studying why many consumers are apprehensive about autonomous vehicles, and how to put them at ease," Science Magazine, 15 December 2017.

Carolyn Said and David Baker, "Humanizing cars, sensitizing humans," San Francisco Chronicle, 22 September 2017.

Jack Stewart, "Ford's Robocar Delivers Pizza In The Name Of Science," WIRED, 29 August 2017.

Aarian Marshall, "That Guy Dressed Up As A Car Seat To Solve A Robocar Riddle," WIRED, 8 August 2017.

Andrew Small, "Here's the Real Science Behind That Fake Driverless Car," CityLab, 9 August 2017.

Ari Shapiro, "Car Seat Camouflage: Man Wears Bizarre Costume In Automatic Vehicle Experiment," All Things Considered, 9 August 2017.

Technion USA, "The Jacobs Technion-Cornell Institute Welcomes Wendy Ju" July 2017.

Horizons, BBC2, "Dawn of the Driverless Car," 29 June 2017.

Giuliano Aluffi, "Travesto i miei studenti da sedili, per capire meglio l'auto senza pilota," La Repubblica, 18 April 2017.

Gary Robbins, "Why are UCSD scientists disguising themselves as empty car seats?" San Diego Union-Tribune, April 4, 2017.

Richard Scheinin, "Not easy: Figuring out your car's high-tech dashboard" San Jose Mercury News, Oct 13, 2016.

Kelsey Houston-Edwards, "Can Autonomous Cars Learn to be Moral?" NOVA Next, Jul 27, 2016.

Evan Ackerman, "Touching a Robot's 'Intimate Parts' Makes People Uncomfortable" IEEE Spectrum, Apr 5, 2016.

Tom Guarriello, "Episode 17: Wendy Ju, PhD", RoboPsych Podcast interview, Mar 29, 2016.

Cara Giaimo, "What Does Your Reaction to a Robotic Trash Can Say About You?" Atlas Obscura, Mar 18, 2016.

Casey Newton. "Watch humanity fall in love with a robot trash can" The Verge. Mar 12, 2016.

Kelsey Campbell-Dollaghan. "The Future of Tangible Interfaces: 5 Insights Backed By Science." Fast Company Co.Design. Feb 24, 2016.

Katerina Andersson. "Så kommer framtidens robotar interagera med människor." Aftonbladet TV. Feb 1, 2016.

Keith, Wagstaff. "Self-Driving Cars in 10 Years? How \$4B Could Make it a Reality?" NBC News, Jan 28, 2016.

Richard Waters, "Why it is hard to teach robots to choose wisely" Financial Times, Jan 20, 2016.

Laura Hautala, "Typing is so 19th century: CES panelists discuss its replacements" CNET, Jan 6, 2016.

Katerina Andersson. "Hjälp – vad är det som händer?" Aftonbladet digital. Dec 18, 2015.

Justin Pritchard, "How can people safely take control from a self-driving car?" Associated Press, Nov 30, 2015

Matt McFarland, "How human nature could foil Tesla's new autopilot," Washington Post, Oct 16, 2015.

Evan Ackerman, "Testing Trust in Autonomous Vehicles through Suspension of Disbelief," IEEE Spectrum Blog, Aug 10, 2015.

The Economist, "Summon the comfy chairs," Aug 8th, 2015. Print magazine article.

Ed Cara, "Robot love: how to persuade humans to embrace machines" Engineering and Technology Magazine, 10(6). Jun 15, 2015.

Jeremy Hsu, "Even Trash Can Robots Need Social Skills," Discover Magazine online blog. May 8, 2015.

Leon Neyfakh, "Can a robot be too nice?" Boston Globe. Aug 15, 2014.

Heather Kelly, "Bridging the gap between humans and computers" CNN.com, Nov 1, 2012.

Zac Unger, "Robots Moving Closer to Humans," The Atlantic Online, Oct 31, 2012.

Virginia Prescott, "Gaming the Forest," New Hampshire Public Radio, Apr 18, 2012.

India Times, "Soon, screens that mimic human motions," Apr 6th, 2012.

Paul Marks, "Computer screens that shrug or laugh when you do," New Scientist website, Apr 4th, 2012.

Bonnie Cha, "Researchers mod computer to copycat human motions," Cnet.com, Apr 4th, 2012.

Tina Barseghian, "What Do Wii Remotes Have to Do with Science? Ask Sixth-Graders," Online article, KQED MindShift.

Ben Fullerton, "Kicker Studio's Inaugural Device Design Day Conference," Core 77.

Kicker Studio, "Six Questions from Kicker: Wendy Ju," Interview for Blog.

Balsamo, Anne. "Ways of the Hand: Postcards from Maker Faire 2009," online video interview.

Winterhouse Institute, "Volume One. Number One." Below the Fold, Vol.1(1) Spring 2006, p. 5.

Mary Fichter. "Ambidextrous Design." STEP Inside Design. Vol 22(2) Mar/Apr 2006, p. 25.

Food Network. "Kitchens of the Future." Special Feature. Airdate Jan 18, 2004.

Genevieve Bell & Joseph Kaye. "Designing technology for domestic spaces: A Kitchen Manifesto." Gastronomica, Spring 2002, p. 46-62.

Ogama Kenji. "Origami Desk" (in Japanese), in Digital Stadium, broadcast on NHK (Japan Broadcasting Corporation), Airdate Sep 22 (#63) & 29 (#64), 2001.

Staff. "Pengachu." FRAMES (MIT Media Lab), Feb 2001, No.102

Staff. "Counter Intelligence." FRAMES, Jan 2000, No. 93, p. 2.

David Colker. "Culinary Curiosities/How video-projected recipes and dinner-table screens may help bring households together" Los Angeles Times, Nov 8th 2000. p. C-14.

Lee Ridgway. "Counter Intelligence Cooks up Technology for the Kitchen." MIT Information Services & Technology, Vol.15(6) Jul/Aug 2000. p. 1.

Richard Wolkomir. "Will the Kitchen Please Shut Up!" Smithsonian Magazine, Vol.30(6) Sep 1999, p. 56-69.

S E R V I C E

Departmental Service 2022-23

- Information Science Broadening Participation in Information Science Committee Co-Chair
- Co-chair Design+Technology Center+Initiative, Cornell
- Inaugural faculty in new multi-college Design Tech department
- Program Director, Design Tech, Cornell Tech
- Robotics@Cornell initiative participant
- Hosted 2 Research Experiences for Undergraduates Interns, 4 high school interns

2021-22

- Information Science Faculty Search Committee Chair
- Co-chair Design+Technology Center+Initiative, Cornell
- Hiring Committee for Urban Tech Program Director
- Robotics@Cornell initiative participant
- Hosted 1 Technion interns, 5 high school interns, 3 Cornell Undergraduate researchers

2020-21

- Co-chair Design+Technology Center+Initiative, Cornell
- Urban Tech Task Force, Jacobs Technion-Cornell Institute
- Hiring Committee for Urban Tech Program Director
- Robotics@Cornell initiative participant
- Computer Science PhD Admissions Committee
- Building & Environment Committee
- Information Science Colloquium Chair
- Information Science Chair Search Committee

2019-20

- Faculty hiring committee, Information Science
- Urban Tech Task Force, Jacobs Technion-Cornell Institute
- Founding Member, Veho Institute for Vehicle Intelligence
- Robotics@Cornell initiative participant
- Hosted 2 WiTNY interns, 4 Technion interns
- Met with WiTNY Winterns

2018-19

- Cornell Tech Gives Thanks Committee
- Faculty hiring committee (two positions), Communications
- PhD admission committee, Information Science
- Hosted 2 WiTNY interns, 2 Cornell Milstein interns
- Met with WiTNY Winterns
- Spoke at Code + Beyond event, Cornell Tech

Academic Service Associate Editor for ACM Transactions on Human Robot Interactions (2017-present), previously Journal of Human Robot Interactions (2015 – 2017)

Advisory board for Open Source Hardware Association (2021 - present)

International Scientific Committee of the UKRI Trustworthy Autonomous Systems (TAS) Hub (2021 - present)

Active service in:

ACM AutoUI (Automotive User Interfaces and Interactive Vehicular Applications)

- 2024 General Conference Chair
- 2021, 2016, 2015 Program Committee
- 2020 Doctoral Colloquium Panelist
- 2019 Program Committee Co-chair
- 2017 Doctoral Colloquium Co-chair

ACM HRI (Human-Robot Interactions)

- 2024 Program Co-Chair
- 2018-2020 Steering Committee
- 2022, 2021, 2018, 2016, 2015 Program Committee
- 2019, 2013, 2012 Video Program Co-chair

ACM DIS (Designing Interactive Systems)

2022-present Steering Committee Co-chair
2021 Conference Co-chair
2019 Doctoral Colloquium Chair
2016-present Steering Committee
2016 Technical Program Co-chair
2014 Papers Committee

ACM CHI (Conference on Human Factors in Computing Systems)

2021 Doctoral Colloquium Co-chair
2019, 2018 Subcommittee Chair for Papers and Notes, Understanding People
2017 Associate Chair for Papers and Notes
2016 Courses Co-Chair, Student Design Competition Jury
2014, 2012, 2011 Associate Chair for Papers and Notes
2007 Student Volunteer for Technical Program Committee

ACM UIST (User Interface Software and Technology)

2020 Doctoral Symposium Co-chair
2018 Awards Co-Chair

ACM TEI (Tangible Embodied and Embedded Interactions)

2016-present Steering Committee
2017 Graduate Student Consortium Co-chair
2015 General Conference Chair

ACM CSCW (Computer Supported Cooperative Work)

2017, 2016 Sponsorship Co-Chair
2016 Program Committee
2012 Associate Chair Papers Committee, Final Program Chair

ACM UBICOMP (Pervasive and Ubiquitous Computing)

2017 Posters Co-Chair

Inaugural member of the Steering Committee for North American Design Research Organization, 2016

ACM CHINESE CHI 2014 Program Committee

ACM NIME 2014 Performance Review Committee

Organizer, Symposium on the Nature of Wicked Problems, UC Berkeley College of Environmental Design, Oct 26, 2013

ACM SIGGRAPH 2010 (International Conference on Computer Graphics and Interactive Techniques) Unified Jury Member

ACM SIGGRAPH 2009 Interactive Music Special Projects Coordinator

ACM DUX 2007 (Designing User eXperiences) Student Volunteer Coordinator

ACM SIGGRAPH 2005 – 2007 Sketches Committee

NEEDS (National Engineering Education Delivery System) Premier Award for Excellence in Engineering Education, Member of judging panel, 2002-2003

Peer Reviewer for:

ACM CHI (Human-Computer Interactions)

ACM DIS (Designing Interactive Systems)

ACM HRI (Human Robot Interactions)

ACM CSCW (Computer Supported Cooperative Work)

ACM NIME (New Instruments for Musical Expression)

ACM UIST (User Interface Software and Technology)

Human-Computer Interaction (Journal)

IEEE ICRA (International Conference on Robotics and Automation)

International Journal of Design

IXDA Interaction Awards

Open Hardware Summit

NSF Human Robot Interactions Program

NSF National Robot Initiative

A S S O C I A T I O N S

Association of Computer Machinery

Institute of Electrical and Electronics Engineers

American Society of Mechanical Engineers