

Anastasia K. Ostrowski, PhD

akostrow@media.mit.edu • akostrowski.com

Research Overview

Analyzes and reshapes technology design processes to be more equitable. Leverages qualitative and quantitative methods stemming from design research, participatory design, and co-design for equitable robot design and policy design. Leverages Design Justice to support equitable technology development and design education.

keywords: human-robot interaction (HRI), human-computer interaction (HCI), design research, equitable participatory design, design justice, co-design, design education

Education

- 2023 **Ph.D. of Media Arts & Sciences**
Media Lab, Massachusetts Institute of Technology, Cambridge, MA
Advised by Prof. Cynthia Breazeal
Dissertation Committee: Prof. Cynthia Breazeal, Prof. Maria Yang, Prof. Jodi Forlizzi, & Prof. Christina Harrington
Thesis: "How do we design robots equitably?: Engaging design justice, design fictions, and co-design in human-robot interaction design and policymaking processes"
- 2017 **Master of Science in Engineering** Biomedical Engineering
Concentration: Medical Product Development Concentration
University of Michigan, Ann Arbor, MI
Advised by Prof. Shanna Daly & Prof. Aileen Huang-Saad
Thesis: "Individual & course structure effects on engineering design idea generation"
- 2016 **Bachelor of Science in Engineering** Honors including *summa cum laude*, Biomedical Engineering
Concentration. Bioelectrical
Minor. Entrepreneurship
University of Michigan, Ann Arbor, MI

Research Experience

- 2024 **Assistant Professor (starting Fall 2024)**
Department of Computer Graphics Technology, Purdue University, West Lafayette IN USA
- 2023 – present **Postdoctoral Associate**
Social and Ethical Responsibilities of Computing (SERC), Massachusetts Institute of Technology (MIT) Schwarzman College of Computing, Cambridge MA USA
- 2023 – present **Postdoctoral Associate**
Media Lab, Massachusetts Institute of Technology (MIT), Cambridge MA USA
Personal Robots Group – Mentored by Prof. Cynthia Breazeal
- 2019 – 2023 **Research Assistant**
Media Lab, Massachusetts Institute of Technology (MIT), Cambridge MA USA
Personal Robots Group – Mentored by Prof. Cynthia Breazeal
- 2020 **Research Assistant**
Work of the Future Taskforce - MIT, Cambridge MA USA
Mentored by Prof. Cynthia Breazeal & Dr. Elisabeth Reynolds
- 2017 – 2019 **Design Researcher**
Media Lab, MIT, Cambridge MA USA
Personal Robots Group – Mentored by Dr. Hae Won Park & Prof. Cynthia Breazeal

- 2017 **Research Assistant**
University of Michigan, Ann Arbor MI USA
Transforming Engineering Education Laboratory – Mentored by Prof. Aileen Huang- Saad
- 2016 – 2017 **Graduate Research Assistant**
University of Michigan, Ann Arbor MI USA
Daly Design and Engineering Education Research Group – Mentored by Prof. Shanna Daly, Prof. Colleen Seifert, & Prof. Aileen Huang-Saad
- 2013 – 2017 **Undergraduate Research Assistant**
University of Michigan, Ann Arbor MI USA
pNEUro Laboratory – Mentored by Prof. Tim Burns
- 2016 **Intern**
University of Alberta, Edmonton Alberta CA
Bionic Limbs for Improved Natural Control (BLINC) Lab – Mentored by Prof. Jacqueline Hebert. (University of Alberta) and Dr. Eugene Civillico (FDA/NIH)
- 2015 **Intern**
United States Food and Drug Administration (FDA)
Functional Performance and Device Use Laboratory – Mentored by Dr. Eugene Civillico (FDA/NIH) and Dr. Heather Benz (FDA)
- Summers 2013 & 2014 **Undergraduate Research Intern**
Johns Hopkins University, Baltimore MD USA
Engineering Research Center for Computational Integrated Surgical Systems and Technology – Mentored by Prof. Muyinatu Bell and Prof. Peter Kazanzides
- 2012 – 2013 **Undergraduate Research Assistant**
University of Michigan, Ann Arbor MI USA
Advanced Life Support Lab – Mentored by Prof. Keith Cook (now at Carnegie Mellon University)

Honors, Awards, & Fellowships

- 2024 MAC3 Society and Ethics in Computing Research Award
- 2022 Future Digileader (KTH)
- 2022 NextProf Nexus Attendee
- 2022 Graduate Student Council Conference Grant (MIT)
- 2022 Amazon Robotics Fellowship
- 2022 Graduate Student Council Conference Grant (MIT)
- 2022 HRI Pioneer
- 2021 Best Paper at 2021 30th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)
- 2020 George and Marie Vergottis Fellowship
- 2020 Best Poster at Harvard’s Center for Research on Computation and Society Workshop on AI for Social Impact
- 2020 MIT Arts Scholar
- 2019 Royal Society for the Encouragement of Arts, Manufactures, and Commerce (RSA) Fellow
- 2019 Ford Foundation Predoctoral Fellowship – Honorable Mention
- 2016 Whitaker International Program Fellow, Ecole Polytechnique Federale de Lausanne, Institute of

	International Education (Declined)
2016	Wolverine Women to Watch, University of Michigan
2013 – 2017	Class of 1931 Engineering Scholar Fellowship, University of Michigan
2012 – 2016	Dean's List, University of Michigan (Fall 2012, Winter 2013, Fall 2013, Winter 2014, Fall 2014, Winter 2015, Fall 2015, Winter 2016)
2012 – 2016	University Honors, University of Michigan (Fall 2012, Winter 2013, Fall 2013, Winter 2014, Fall 2014, Winter 2015, Fall 2015, Winter 2016)
2014	James B. Angell Scholar, University of Michigan
2013	Barry Goldwater Scholarship Nominee, University of Michigan
2013	William J. Branstorm Freshman Prize, University of Michigan

Funded Grants with Key Contributions

2023	d'Arbeloff Fund for Excellence in Education Grant (MIT) "Integrating Ethics, Equity, and Justice into Engineering Design Education at MIT" Key personnel & lead proposal writer: Anastasia K. Ostrowski , Madhurima Das PI: Maria Yang Award Amount: \$45,000
2022	Institute for Data, Systems, and Society & Sociotechnical Systems Research Center Combatting Systemic Racism Seed Fund Program Grant (MIT) "An Ethics, Equity, and Justice Audit and Reimagination of Engineering Education" Key personnel & lead proposal writer: Anastasia K. Ostrowski , Madhurima Das PIs: Cynthia Breazeal, Catherine D'Ignazio, & Maria Yang Award Amount: \$50,000
2021	d'Arbeloff Fund for Excellence in Education Grant (MIT) "Designing for Justice: Creating Design Justice Informed Technology Pedagogy at MIT and Beyond" Key personnel & lead proposal writer: Anastasia K. Ostrowski , Madhurima Das, Aditi Verma PIs: Cynthia Breazeal, Catherine D'Ignazio, & Maria Yang Award Amount: \$20,000
2021	The Harold Horowitz Student Research Fund Grant (MIT) "An Intergenerational Policy Design Toolkit to Understand How People Relate Autonomy, Bias, Social Persuasion and Privacy to Robots" PIs: Anastasia K. Ostrowski and Daniella DiPaola Award Amount: \$1,000
2017	Rackham Graduate Student Research Grant (University of Michigan) "Effects of Personal, Design Course Structure, and Design Process Factors on Idea Generation" Award Amount: \$1,500

Teaching Experiences

2020 – 2022	Course Creator & Facilitator, Media Arts & Sciences, MIT Media Lab MAS.S90 "Introduction to Media Arts & Sciences"
2017 – 2018	Team Lab Instructor, Mechanical Engineering, MIT 2.00 "Introduction to Design"
2016 – 2017	Graduate Student Instructor, College of Engineering, University of Michigan ENGR.101 "Introduction for Programming"
2016	Calculus I Tutor, University of Michigan
2015	Teaching Assistant, College of Engineering, University of Michigan ENGR.110 "Design Your Engineering Experience"

Service & Outreach

Academic Organization

Workshop Organizer, Jibo Community Social Robot Research Platform @Scale	HRI 2024
Workshop Organizer, Inclusive HRI II: Equity and Diversity in Design, Application, Methods, and Community	HRI 2024
Workshop Organizer, Design Justice, Technology, & Policy Making	We Robot 2023
Workshop Organizer, Bringing Design Justice Content in Engineering Courses	IDETC 2023
Symposium Organizer; HRI in Academia and Industry: Bridging the Gap	AAAI Spring Symposium 2023
Workshop Organizer, Inclusive HRI II: Equity and Diversity in Design, Application, Methods, and Community	HRI 2023
Lead Program Chair, HRI Pioneers 2023	HRI 2023
Session Chair	Ro-MAN 2022
Workshop Organizer, Participatory Design in Human-Robot Interaction [website]	Ro-MAN 2022
Lead Organizer, (inaugural) Design Justice Pedagogy Summit [website]	

Peer Reviewing

Design Science
 IEEE Transactions on Education
 International Journal of Social Robotics
 International Journal of Human-Computer Interaction
 Computers in Human Behavior: Artificial Humans
 MIT Solve: Gender Equity in STEM Challenge
 Assistive Technology Journal
 ACM Transactions on Human-Robot Interaction Journal
 IEEE Transactions on Robotics Journal
 Multimodal Technologies and Interaction Journal
 ACM/IEEE Human-Robot Interaction (HRI) Conference
 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)
 ACM SIGCHI Design Interactive Systems (DIS) Conference
 ACM Creativity & Cognition Conference
 IEEE International Conference on Robot & Human Interactive Communication (Ro-MAN)
 ACM Interaction Design and Children (IDC) Conference
 Design Research Society (DRS) Conference

Outreach

MIT Science Policy Initiative Congressional Visit Days	2022
MIT Graduate Community Fellow – Programs for Women; Path of Professorship Workshop Organizer	2021 – 2023
Media Arts & Sciences Student Survey Team	2021 – 2022
Search Committee for School of Architecture Assistant Dean for Diversity	2020 – 2021

Media Arts & Sciences Student Seminar Organizer	2020 – 2022
MIT School of Architecture Student Council	2020
Royal Society for the Encouragement of Arts, Manufactures, and Commerce (RSA) – Boston Ambassador	2020 – Present
Founder of Ask A Robot – lecture series for Personal Robots Group Older Adult Cohort	2020 – Present
Co-Founder of the MIT Media Lab Design Collective	2019 – 2021
Co-Founder of Minds Across Generation – lecture series at Lasell Village (learning living community for older adults)	2019 – 2020
Member of the MIT Media Lab’s Research Working Group	2019 – 2020
Co-Founder of Women Talk Tech	2018 – 2019
Co-Founder of Elementary Engineering Partnerships	2014 – 2018
President, Honors Student Advisory Board, University of Michigan	2015 – 2016
External Vice President, BLUElab, University of Michigan	2014 – 2015
Outreach Chair, Honors Student Advisory Board, University of Michigan	2014 – 2015
Cub Scout Day Organizer, Tau Beta Pi, University of Michigan	2013 – 2016
Peer Advisor, Michigan Research Community (learning and living community), University of Michigan	2013 – 2014

In Preparation

Ostrowski, A.K., DiPaola, D., & Breazeal, C. A robot policy design toolkit: exploring users’ and technologists’ perspectives of robot policy. *Submitting to AI & Society*.

Peer Reviewed Publications

Kory-Westlund, J. M., Breazeal, C., **Ostrowski, A.K.**, & Park, H.W. Physical or virtual robots – Which is better? A survey of embodiment and presence in human-robot interaction. *Submitted to ACM Transactions on Human-Robot Interaction*.

Ostrowski, A.K., Park, H.W., & Breazeal, C. Supporting interdisciplinary and socially minded HRI through researchers’ tools and methodologies. *Submitted to Transactions on Human-Robot Interaction*

Ostrowski, A.K., Zhang, J., Breazeal, C., & Park, H.W. Promising directions for human-robot interactions defined by older adults. *Submitted to Frontiers in Robotics and AI*.

J11 Das, M., **Ostrowski, A.K.**, Ben-David, S., Roeder, G.J., Kimura, K., D’Ignazio, C., Breazeal, C., Yang, M, & Verma, A. 2023. Auditing design justice: The impact of social movements on design pedagogy at a technology institution. *Design Studies*. [\[link\]](#)

J10 Das, M., Roeder, G., **Ostrowski, A.K.**, Yang, M.C., & Verma, A. 2023. What do we mean when we write about ethics, equity, and justice in engineering design? *ASME Journal of Mechanical Design*. [\[link\]](#)

J9 **Ostrowski, A.K.**, Fu, J., Zygouras, V., Park, H.W., & Breazeal, C. 2022. Speed dating with voice user interfaces (VUIs): Understanding how families interact and perceive VUIs in a group setting. *Frontiers in Robotics and AI Journal Special Issue: Social Dynamics in Multi-Agent Groups and Teams*. [\[link\]](#)

J8 **Ostrowski, A.K.**, Harrington, C., Breazeal, C., & Park, H.W. 2021. Personal narratives in technology design: The value of sharing older adults’ stories in the co-design of social robots. *Frontiers in Robotics and AI Journal*. [\[link\]](#)

- J7 Rosenberg, M., Park, H.W., Rosenberg-Kima, R., Ali, S., **Ostrowski, A. K.**, Breazeal, C., & Gordon, G. 2021. Expressive cognitive architecture for a curious social robot. *ACM Transactions on Interactive Intelligent Systems (TiiS)*. [\[link\]](#)
- J6 Breazeal, C., **Ostrowski, A.K.**, Park, H.W., & Singh, N. 2019. Designing social robots for older adults. *NAE Bridge, Spring Issue: Technologies for Aging*. [\[link\]](#)
- J5 **Ostrowski, A.K.**, DiPaola, D., Partridge, E., Park, H.W., & Breazeal, C. 2019. Long-term community social robots to promote social connectedness among older adults. *IEEE Robotics & Automation Magazine, Special Issue: Socially Assistive Robotics*. [\[link\]](#)
- J4 **Ostrowski, A.K.**, Daly, S.R., Huang-Saad, A., & Seifert, C.M. 2019. Idea generation practices in a biomedical engineering capstone course. *IEEE Transactions on Education, Special Issue: Project-based Senior Design and Capstone Courses in Engineering Education*. [\[link\]](#)
- J3 Lee, J.W., **Ostrowski, A.K.**, Daly, S., Huang-Saad, A., & Seifert, C. 2018. Idea generation in biomedical engineering courses using design heuristics. *European Journal of Engineering Education*. [\[link\]](#)
- J2 **Ostrowski, A.K.**, Sperry, Z, & Bruns, T.M. 2017. Quantitative models of feline sacral dorsal root ganglia neuronal cell density. *Journal of Neuroscience Methods*, 290: 116-124. [\[link\]](#)
- J1 Bell, M.A.L., **Ostrowski, A.K.**, Li, K., Kazanzides, P., & Boctor, E. 2015. Localization of transcranial targets for photoacoustic-guided endonasal surgeries. *Photoacoustics* 3(2): 78 – 87. [\[link\]](#)

Peer Reviewed Conference Proceedings

- C20 **Ostrowski, A.K.**, Zhang, J., Das, M., Breazeal, C., D'Ignazio, C., Verma, A., & Yang, M. Design justice strategies for design education. *ASME 2023 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE2023); Track: 35th International Conference on Design Theory and Methodology (DTM)*.
- C19 Saadi, J.I., Roeder, G., Das, M., **Ostrowski, A.K.**, Breazeal, C., D'Ignazio, C., Verma, A., & Yang, M. Barriers, resources, and changes of social, policy, and ethical considerations in design education. *ASME 2023 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE2023); Track: 35th International Conference on Design Theory and Methodology (DTM)*.
- C18 Das, M., Saadi, J.I., Santos, M., Roeder, G., **Ostrowski, A.K.**, Lee, S., Breazeal, C., D'Ignazio, C., Yang, M., & Verma, A. How and why instructors include and exclude social, policy, and ethical considerations in design education. *Accepted to the 24th International Conference on Engineering Design (ICED) 2023*. [\[link\]](#)
- C17 **Ostrowski, A.K.**, Walker, R., Das, M., Yang, M., Breazeal, C., Park, H.W., & Verma, A. 2022. Ethics, equity, & justice in human-robot interaction: A review and future directions. *2022 31st IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*. *IEEE, 2022*.
- C16 Chen, H., **Ostrowski, A.K.**, Jang, S.J., Breazeal, C., & Park, H.W. 2022. Designing long-term parent-child-robot triadic interaction at home through lived technology experiences and interviews. *2022 31st IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*. *IEEE, 2022*.
- C15 Das, M., Roeder, G., **Ostrowski, A.K.**, Yang, M.C., & Verma, A. 2022. What do we mean when we write about ethics, equity, and justice in engineering design? *ASME 2022 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE2022); Track: 34th International Conference on Design Theory and Methodology (DTM)*.
- C14 **Ostrowski, A.K.** & Breazeal, C. 2022. Design justice for robot design and policy making. *ACM/IEEE International Conference on Human-Robot Interaction (HRI) 2022, HRI Pioneers*. [\[link\]](#)
- C13 **Ostrowski, A.K.**, Breazeal, C., & Park, H.W. 2022. Mixed-method long-term robot usage: Older adults' lived experience of social robots. *ACM/IEEE International Conference on Human-Robot Interaction (HRI) 2022*

(24.36% acceptance rate). [\[link\]](#)

- C12 DiPaola, D., **Ostrowski, A.K.**, Spiegel, R., Darling, K. & Breazeal, C. 2022. Children's perspectives of advertising with social robots: A policy investigation. *ACM/IEEE International Conference on Human-Robot Interaction (HRI) 2022, alt.HRI track*. [\[link\]](#)
- C11 **Ostrowski, A.K.**, Breazeal, C., & Park, H.W. 2022. How do older adults engage as robot co-designers?: Rapid-prototyping supported by lived experiences with technology. *Design Thinking Research Symposium 2022*. [\[link\]](#)
- C10 Das, M., **Ostrowski, A.K.**, Ben-David, S., Roeder, G.J., Kimura, K., D'Ignazio, C., Breazeal, C., Yang, M., & Verma, A. 2022. Auditing design justice: The impact of social movements on design pedagogy at a technology institution. *Design Thinking Research Symposium 2022*. [\[link\]](#)
- C9 **Ostrowski, A.K.**, Breazeal, C., & Park, H.W. 2021. Long-term co-design guidelines: Empowering older adults as co-designers of social robots. *2021 30th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*. IEEE, 2021. ***Best Paper***. [\[link\]](#)
- C8 Alves-Oliveira, P., Lupetti, M.L., Luria, M., Löffler, D., Gamboa, M., Albuagh, L., Kamino, W., **Ostrowski, A.K.**, Puljiz, D., Reynolds-Cuéller, P., Scheunemann, M., Suguitan, M., & Lockton, D. 2021. Collection of metaphors for human-robot interaction. *ACM Designing Interactive Systems (DIS) conference 2021*. [\[link\]](#)
- C7 **Ostrowski, A.K.**, Zygouras, V., Park, H.W., & Breazeal, C. 2021. Small group interactions with voice-user interfaces: Exploring social embodiment, rapport, and engagement. *ACM/IEEE International Conference on Human-Robot Interaction (HRI) 2021 (23% acceptance rate)*. [\[link\]](#)
- C6 Partridge, E. & **Ostrowski, A.K.** 2020. Robots in the art studio: A transdisciplinary research collaboration. *American Art Therapy Association Conference 2020*
- C5 Shekhar, P., **Ostrowski, A.K.** Huang-Saad, A., & Libarkin, J. 2018. Promoting innovation by women through engineering entrepreneurship courses: An assessment of entrepreneurial self-efficacy. *Canadian Engineering Education Association, Vancouver, BC, Canada, June 3, 2018 – June 6, 2018*. [\[link\]](#)
- C4 Shekhar, P., Huang-Saad, A., Libarkin, J. & **Ostrowski A.** 2018. 'Is someone in your family an entrepreneur?' – Examining the influence of family role models on students' entrepreneurial self-efficacy and its variation across gender. *American Society of Engineering Education, Salt Lake City UT, June 24 – 27, 2018*. [\[link\]](#)
- C3 Lee, J.W., **Ostrowski, A.**, Daly, S., Huang-Saad, A., & Seifert, C. 2017. Extending design heuristics from mechanical engineering to a biomedical projects course. *International Design Engineering Technical Conferences, Cleveland, OH, August 6 – 9, 2017*. [\[link\]](#)
- C2 **Ostrowski, A.**, Lee, J.W., Daly, S., Huang-Saad, A., & Seifert, C. 2017. Design in biomedical engineering: Student applications of design heuristics as a tool for idea generation. *American Society of Engineering Education, Columbus, OH, June 25 – 28, 2017*. [\[link\]](#)
- C1 Daly, D., Yilmaz, S., Murphy, L., & **Ostrowski, A.K.** 2016. Tracing problem evolution and factors that impact problem shifts. *Design Thinking Research Symposium 11, Copenhagen, Denmark, November 13 – 15*. [\[link\]](#)

Workshop Papers

Ostrowski, A.K., Breazeal, C., & Park, H.W. 2021. Research through (co)-design: Engaging older adults in the design of social robots. *ACM/IEEE International Conference on Human-Robot Interaction (HRI) 2021 Workshop on Research Through Design Approaches in Human-Robot Interaction*. [\[link\]](#)

Ostrowski, A.K., Breazeal, C., & Park, H.W. 2020. Design research in HRI: Roboticists, design features, and users as co-designers. *IEEE International Conference on Robot & Human Interactive Communication 2021 Workshop on Designerly HRI Knowledge*. [\[link\]](#)

Ostrowski, A.K., Singh, N., Breazeal, C., & Park, H.W. 2019. Empowering older adults to design social robots. *Conference on Human Factors in Computing Systems (CHI) 2019 Workshop on the Challenges of Working on Social Robots that Collaborate with People*.

Ostrowski, A.K., Singh, N., Park, H.W., & Breazeal, C. 2018. Preferences, patterns, and wishes for agents in the home. *International Conference on Social Robots (ICSR) 2018 Workshop on Social Human-Robot Interaction of Service Robots*. *Invited Talk* [\[link\]](#)

Working Paper

Ostrowski, A.K., Pokorni, B., & Schumacher, S. 2020. Participatory design for digital transformation of manufacturing enterprises. *MIT's Work of the Future Taskforce Working Paper*. [\[link\]](#)

Book Chapters

Ostrowski, A.K., Breazeal, C., & Park, H.W. 2023. How do older adults engage as robot co-designers? Rapid prototyping supported by lived experiences with technology. *Expanding the Frontiers of Design*, Taylor & Francis.

Partridge, E., **Ostrowski, A.K.**, Park, H.W., & Breazeal, C. 2022. Innovated design methodologies of social robots: A collaboration between an art therapist, design researcher, and roboticists. *Art Psychotherapy: Innovation Practice and New Perspectives*, Jessica Kingsley Publishers.

Daly, D., Yilmaz, S., Murphy, L., & **Ostrowski, A.K.** 2017. Problem evolution and factors which impact problem shifts. Taylor & Francis/Belkema-CRC.

Other Conference Proceedings

Sperry, Z., **Ostrowski, A.K.**, Kulik, G., Bruns, T.M. 2016. Quantitative analysis of spatial distribution of cell bodies in feline dorsal root ganglia. *Society of Neuroscience*, San Diego, CA, November 12-16, 2016. [\[link\]](#)

Ostrowski, A.K., Bette, N., White, M.G., Chen, E., Cockrum, J., Gosbee, J., & Schmedlen, R. 2016. Multiple sclerosis (MS) sensory feedback device to improve pinch grip. *Biomedical Engineering Society Annual Meeting*, Minneapolis, MN, October 5-8, 2016.

Bell, M.A.L., **Ostrowski, A.K.**, Li, K., Kazandizes, P., & Boctor, E.M. 2015. Quantifying bone thickness, light transmission, and contrast interrelationships in transcranial photoacoustic imaging. *Proc SPIE West*, San Francisco, CA. February 7-12.

Ostrowski, A.K., Sperry, Z., Bruns, T.M. 2015. Analysis of dorsal root ganglia cell density towards electrode array development. *Biomedical Engineering Society Annual Meeting*, Tampa, FL., October 7-10, 2015.

Bell, M.A.L., **Ostrowski, A.K.**, Kazandizes, P., & Boctor, E. 2014. Feasibility of transcranial photoacoustic imaging for interventional guidance of endonasal surgeries. *Proc. SPIE West*, San Francisco, CA February 1-6.

Ostrowski, A.K., Ross, S., & Bruns, T.M. 2014. Dorsal root ganglion cell density analysis for microelectrode array development. *National Conference for Undergraduate Research*, Lexington, KY, April 3-5, 2014.

Ostrowski, A.K., Skoog, D.J., Scipione, C.N., Pohlmann, J.R., Demos, D., Koch, K.L., Schewe, R.E., Iyengar, A., Scott, J.V., Suhaib, A.B., Sowell, B.T., Mitchell, J.A., Sorek, C.E., Araab, A., & Cook, K.E. 2013. Chronic Testing of a Compliant Thoracic Artificial Lung. *2013 Michigan Research Community Symposium*, Ann Arbor, MI.

Invited Talks + Workshops

Jana Saadi, Madhurima Das, & **Ostrowski, A.K.** The design justice pedagogy summit: Embedding equity and justice into academic courses. *Design Justice Network Member Story Share, Virtual*. December, 5th 2023.

Ostrowski, A.K. Negotiating the Offer (panel). *Path of Professorship, MIT, Cambridge, MA*. November 18th,

2023

Ostrowski, A.K. Applying (panel). *Path of Professorship, MIT, Cambridge, MA.* November 18th, 2023

Ostrowski, A.K. & DiPaola, D. Policy design for generative AI chatbots (workshop). *AI & Education: Inclusive Innovation for Student Success, MIT, Cambridge, MA.* November 15th, 2023.

Ostrowski, A.K. How do we design robots equitably. *Break Through Tech AI Maker Day, MIT, Cambridge, MA.* October 7th, 2023.

Ostrowski, A.K. Equitable Design Processes to Support Robot Design + Policy Making. *Reimagining the Legal Profession Workshop, MIT Media Lab, Cambridge, MA.* May 26th, 2023.

Ostrowski, A.K. Equity and Justice in Robot and AI Design Processes. *Purdue University, Purdue Polytechnic Institute, Department of Computer Graphics Technology, West Lafayette, IN.* May 16th, 2023.

Ostrowski, A.K. Equity and Justice in Robot and AI Design Processes. *The Pennsylvania State University, College of Information Sciences and Technology, State College, PA.* April 3rd, 2023.

Ostrowski, A.K. Equity and Justice in Robot and AI Design Processes. *The Ohio State University, Department of Computer Science & Engineering, Columbus, OH.* March 22nd, 2023.

Ostrowski, A.K. Equity and Justice in Robot and AI Design Processes. *Cornell University, Department of Human Centered Design, Ithaca, NY.* March 20th, 2023.

Ostrowski, A.K. Equity and Justice in Robot and AI Design Processes. *Georgia Tech, School of Interactive Computing, Atlanta, GA.* March 16th, 2023.

Ostrowski, A.K. Equity and Justice in Robot and AI Design Processes. *The George Washington University, Department of Computer Science, Washington, D.C.* March 10th, 2023.

Ostrowski, A.K. Equity and Justice in Robot and AI Design Processes. *Virginia Tech, Grado Department of Industrial and Systems Engineering, Blacksburg, VA.* March 6th, 2023.

Ostrowski, A.K. Equity and Justice in Robot and AI Design Processes. *Virginia Tech, Department of Computer Science, Virtual.* February 21st, 2023.

Ostrowski, A.K. Equity and Justice in Robot and AI Design Processes. *Northeastern University, Boston, MA.* February 7th, 2023.

Ostrowski, A.K. Equitable Design of Robots through Design Justice. *BP Design, London, UK.* November 15th, 2022.

Ostrowski, A.K. Design Justice for Equitable Design of Robots. *Guest Lecturer for Human-Robot Interaction Course, Colorado School of Mines, Virtual.* November 2nd, 2022.

Ostrowski, A.K. Equitable Tech Design Workshop. *Breakthrough Lab (B-Lab), Brown University, Providence, RI.* July 13th, 2022.

Ostrowski, A.K. Design Justice in Human-Robot Interaction. *MIRROR Lab, Colorado School of Mines, Virtual.* July 11th, 2022.

Ostrowski, A.K. Equitable Robot Design. *Talking Robotics, Virtual.* July 6th, 2022.

Ostrowski, A.K. Robotics experience co-designed with elderly people. *Social and Assistance Robotics Conference for Independent Living (Jornada de Robótica Social y Asistencial para la vida independiente),*

Cluster SIVI, la Universidad de Valladolid, Valladolid, Spain. May, 4th 2022.

Ostrowski, A.K. *Amazon-MIT Science Hub Inspiration Series, MIT, Cambridge, MA. April, 21st, 2022.*

Ostrowski, A.K. *Design Justice of Design of AI. EverydayAI Make-a-thon 2022, MIT, Cambridge, MA. March 27th, 2022.*

Ostrowski, A.K. *Long-term co-design: Empowering older adults as co-designers of social robots. Amazon, Virtual. February 21st, 2022.*

Ostrowski, A.K. *Developing equitable robot design processes. Long Now Boston, Virtual. February 7th, 2021.*

Ostrowski, A.K. *Designing social robots with people in mind. MIT Horizon, Virtual. April 27th, 2021.*

Ostrowski, A.K. *Empowering people in the design of technologies. Catonsville High School Society of Women Engineers, Virtual. December 16th, 2020.*

Ostrowski, A.K., Breazeal, C., & Park, H.W. *Leveraging design research mixed methods to develop social robots for older adults. ICSR2020 1st Workshop on Enriching HRI Research with Qualitative Methods, Virtual. November 16th – 17th, 2020.*

Ostrowski, A.K. *Rapid prototyping & research probes. Guest Lecture for Design Research for Exploring Automation Course, Parsons School of Design, Virtual. November 9th, 2020.*

Ostrowski, A.K. *Designing tools to understand how robots and AI impact society. MIT Work of the Future Taskforce, Virtual. May 27th, 2020.*

Ostrowski, A.K. *Designing social robots. Oxbridge Academy at Harvard University, Cambridge, MA. July 3rd, 2019.*

Ostrowski, A. K. *Participatory design of social robots. Lasell Village, Newton, MA. May 21st, 2019.*

Ostrowski, A.K., Singh, N., Park, H.W., & Breazeal, C. *Preferences, patterns, and wishes for agents in the home. ICSR2018 Workshop on Social Human-Robot Interaction of Service Robots, Qingdao, China. November 27th, 2018.*

Ostrowski, A.K. *Designing agents inclusively: Insights and learnings from our exploration with older adults, adults, and children. MIT AgeLab's Lifestyle Leaders (85+) Group, Cambridge, MA. November 28th, 2018.*

Ostrowski, A.K. & Singh, N. *Talking machines: Democratizing the design of voice-based agents for the home. Bose Corporation, Farmington, MA. May 30th, 2018.*

Ostrowski, A.K. & Singh, N. *Designing embodied agents for social connection in the home. Youville Assisted Living Board Meeting, Cambridge, MA. April 23rd, 2018.*

Undergraduate & Graduate Advisees

2018	Jessica Lee	BS Wellesley College	
2018	Jee Lee	BS Wellesley College	
2019	Sanjana Lath	BS Wellesley College	
2019	Layal Barakat	BS MIT	
2019	Josie Ku	BS Wellesley College	
2019	Jenny Fu	BS Brown University (now a graduate student at Cornell University)	Co-author J9

2019	Andrea Garcia	BS MIT	
2019 – 2020	Jenny Zhang	BS Wellesley College	
2019 – 2020	Isabella Virgilio	BS Wellesley College	
2019 – 2020	Amy Shim	BS MIT	
2020	Vasiliki Zygouras	BS Wellesley College	Co-author J9, C7
2020	Esther Choe	BS Wellesley College	
2020 – 2021	Katerina Sapozhnikov	BS MIT	
2020 – 2021	Shelly Ben-David	BS MIT	Co-author C10
2021	Rylie Spiegel	BS MIT	Co-author C12
2021	Kimberley Kimura	BS Wellesley College	Co-author C10
2021 – Present	Gillian Roeder	BS MIT	Co-author C10; C15, C18, C19
2021 – 2022	Barbara Adjei	BS Dartmouth College	
2021 – 2023	Raechel Walker	MS MIT Media Lab	Co-author C17
2022	Olivia Dias	BS MIT	
2022	Marina Santos	BS Wellesley College	Co-author C18
2022 – 2023	Jennifer X Zhang	BS MIT	Co-author on C20
2022 – 2023	Kanokwan Tungkitkancharoen	BS MIT	Currently writing paper together to submit this fall
2022 – Present	Ila Kumar	MS MIT Media Lab	
2023	May Huang	BS MIT	
2023	Zandra Feland	BS MIT	
2023 – Present	Eden Adler	MS MIT	
2023 – Present	Isabella Pu	MS MIT	