Noura Howell

Assistant Professor
Digital Media and Interactive Computing
Georgia Institute of Technology

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▷ EDUCATION

2020 School of Information, University of California, Berkeley
Ph.D. in Information Management & Systems with a Designated Emphasis in New Media

2012 Olin College of Engineering
B.S. in Engineering with a Concentration in Computing

2007-8 Mississippi State University
Gap year in pure math for fun—graph theory, group theory, topology—and music theory

▷ ACADEMIC & INDUSTRY ROLES

2021-24 Georgia Institute of Technology, Digital Media & Interactive Computing, Assistant Professor

2020 North Carolina State University, Communication, Assistant Professor

2017 Singapore University of Technology & Design, Augmented Human Lab, Visiting Researcher with S Nanayakkara

2016 Google Advanced Technologies and Projects, Project Jacquard, PhD Student Collaborator

2014 Intel Labs, Project Galileo, Software Engineering Contractor

2013 MIT Media Lab, Fluid Interfaces Group, Research Assistant

2012 The Echo Nest, Full Stack Web Developer (startup later bought by Spotify)

2010 Microsoft, Program Manager Intern

2007 US Army Corps of Engineers, High School Volunteer, parallelized 10K+ line FORTRAN model with OpenMP

2006 North Carolina State University, Biological and Agricultural Engineering, High School Volunteer, wet lab assistant

▷ PEER-REVIEWED PUBLICATIONS

2025 Towards Designing for Everyday Thermal Experiences
S Ichihashi, K Bheda, N Howell
Tangible, Embedded, Embodied Interaction (*TEI*) (*forthcoming March 2025*)

Swell by Light: An Approachable Technique for Freeform Raised Textures
S Ichihashi, N Howell, HJ Oh
Tangible, Embedded, Embodied Interaction (*TEI*) (*forthcoming March 2025*)

Mold Sounds: Queering Ecologies in Polyphonic Material Explorations
A T Riggs, M Nitsche, N Howell
Tangible, Embedded, Embodied Interaction (*TEI*) (*forthcoming March 2025*)

Lost in translation: Researchers' reflections on writing in English for CHI
S Sharma, Be Norouzi, E P Greenwood White, E Durall Gazulla, M Y K Yousufi, N Iivari, N Howell, et al
Human Factors in Computing Systems Extended Abstracts (*alt.chi*) (*forthcoming April 2025*)

Designing for Rest: Rethinking Access for / from Chronic Illness
S Janicki, J de Pereda Banda, L A Romero, X Guo, N Howell, A Stangl, S R Harris
Human Factors in Computing Systems Extended Abstracts (*alt.chi*) (*forthcoming April 2025*)

2024 **Reflective Design for Informal Participatory Algorithm Auditing: A Case Study with Emotion AI**
N Howell, W Hartsoe, J Amin, V Namani
Nordic Human-Computer Interaction Conference (*NordiCHI*)

Hydroptical Thermal Feedback: Spatial Thermal Feedback Using Visible Lights and Water
S Ichihashi, M Inami, H-N Ho, N Howell
User Interface Software and Technology (*UIST*)

Designing an Archive of Feelings: Queering Tangible Interaction with Button Portraits
A Teixeira Riggs, S Janicki, N Howell, A Sullivan
Human Factors in Computing Systems (*CHI*)
Acceptance rate: 26%.

Crip Reflections on Designing with Plants: Disability Theory, Chronic Illness, and More-than-Human Design
S Janicki, N Parvin, N Howell
Designing Interactive Systems (*DIS*) - ***Best Paper Award***
Acceptance rate: 27.%

Promoting Criticality with Design Futuring with Young Children
S Sharma, N Howell, L Ventä-Olkkonen, N Iivari, G Eden, H Hartikainen, M Kinnula, E Durall, M Nitsche, J Okkonen, S Pait, E Rubegni, W Sluis-Thiescheffer, L van der Velden, U S Varanasi
Nordic Human-Computer Interaction Conference (*NordiCHI*)

What should we do with Emotion AI? Towards an agenda for the next 30 years
N Andalibi, L Stark, D McDuff, R Picard, J Gratch, N Howell
Proceedings of the ACM on Human-Computer Interaction (*CSCW*) *Extended Abstracts*

"Tuning in and listening to the current": Understanding Remote Ritual Practice in Sufi Communities
S Kozubaev, N Howell
Designing Interactive Systems (*DIS*)
In this year, the acceptance rate for papers on this track was 27%

Red [Redacted] Theatre: Queering Puzzle-Based Tangible Interaction Design
A Teixeira Riggs, R Donley, T M Gasque, N Howell, A Sullivan
Designing Interactive Systems (*DIS*)
Acceptance rate: 23%

Queering/Cripping Technologies of Productivity
S Janicki, A Teixeira Riggs, N Howell, A Sullivan, A Stangle
Human Factors in Computing Systems Extended Abstracts (*alt.chi*)

Mapping Futures and Futuring in HCI/Design
T Jenkins, V Tsaknaki, N Howell, L Boer, R Wong, N Campo Woytuk, M L Juul Søndergaard
Designing Interactive Systems (*DIS*) *Extended Abstracts*

Advancing Creative Physical Computing Education: Designing, Sharing, and Taxonomizing Instructional Interventions
D Byrne, K DesPortes, N Howell, M Louw, S Sterman
Designing Interactive Systems (*DIS*) *Extended Abstracts*

Sensing Bodies: Engaging Postcolonial Histories through More-than-Human Interactions
S Janicki, A Teixeira Riggs, N Howell, A Sullivan, N Parvin
Tangible, Embedded, Embodied Interaction (*TEI*)

2023 **Fabulation as an Approach for Design Futuring**
M L Juul Søndergaard, N Campo Woytuk, N Howell, V Tsaknaki, K Helms, T Jenkins, P Sanches
Designing Interactive Systems (*DIS*)
Acceptance rate: 24%

Designing with Biosignals: Challenges, Opportunities, and Future Directions for Integrating Physiological Signals in Human-Computer Interaction
E R Stepanova, J Desnoyers-Stewart, A Kitson, B E Riecke, A N Antle, A El Ali, J Frey, V Tsaknaki, N Howell
Designing Interactive Systems (*DIS*) *Extended Abstracts*

Towards Mutual Benefit: Reflecting on Artist Residencies as a Method for Collaboration in DIS
L Devendorf, L Buechley, N Howell, J Jacobs, H-L Kao, M Murer, D Rosner, N Ross, R Soden, J Tso, C Zheng
Designing Interactive Systems (*DIS*) *Extended Abstracts*

Fabulating Biodata Futures for Flourishing and Vibrant Worlds
T Jenkins, M L Juul Søndergaard, P Sanches, V Tsaknaki, N Campo Woytuk, N Howell, K Helms, L Boer, J Tucker.
Nordic Design Research Society (*Nordes*) *Extended Abstracts*

2022 Diffraction-in-Action: Designerly Explorations of Agential Realism Through Lived Data
P Sanches, N Howell, V Tsaknaki, T Jenkins, K Helms
Human Factors in Computing Systems (*CHI*) - ***Honourable Mention Award***
In this year, the acceptance rate for this type of submission at this venue was 14%. Honorable Mention is reserved for the top 5% of accepted papers.

Fabulating Biodata Futures for Living and Knowing Together
V Tsaknaki, P Sanches, T Jenkins, N Howell, L Boer, A Bitzouni
Designing Interactive Systems (*DIS*)
Acceptance rate: 30%

Button Portraits: Embodying Queer History with Interactive Wearable Artifacts
A Teixeira Riggs, N Howell, A Sullivan
International Conference on Interactive Digital Storytelling (*ICIDS*)

Design Futuring for Love, Friendship, and Kinships: Five Perspectives on Intimacy
S Sharma, B F Schulte, R Fatás Arana, N Howell, A Twigger Holroyd, G Eden
Human Factors in Computing Systems Extended Abstracts (*alt.chi*)

Feeling Air: Exploring Aesthetic and Material Qualities of Architectural Inflatables
N Howell, S Protz, J Byrd, M Castellanos, A Elkins, J Hall, M Holdsworth, L Mallikeshwaran Rajagopal Sambasivan, C Noel, O Osiberu, R Patel, D Scallan, A Uhrich, A Anupam, B Bosley, R Donley, S Milkes Espinosa, M Ramirez, S Nayak, A-T Tran, Y Jia, Y Wang
Nordic Human-Computer Interaction Conference (*NordiCHI*) *Extended Abstracts*

2021 Cracks in the Success Narrative: Rethinking Failure in Design Research through a Retrospective Trioethnography
N Howell, A Desjardins, S Fox
ACM Transactions on Computer-Human Interaction (*TOCHI*)

Calling for a Plurality of Perspectives on Design Futuring: An Un-Manifesto
N Howell, B F Schulte, A Twigger Holroyd, R Fatás Arana, S Sharma, G Eden
Human Factors in Computing Systems Extended Abstracts (*alt.chi*)

2020 Expanding Modes of Reflection in Design Futuring
S Kozubaev, C Elsden, N Howell, M L Juul Søndergaard, N Merrill, B Schulte, R Y Wong
Human Factors in Computing Systems (*CHI*)
Acceptance rate: 23%

Teachable Machine: Approachable Web-Based Tool for Exploring Machine Learning Classification
M Carney, B Webster, I Alvarado, K Phillips, N Howell, J Griffith, J Jongejan, A Pitaru, A Chen
Human Factors in Computing Systems (*CHI*) *Extended Abstracts*

Challenges and Opportunities for Designing with Biodata as Material
V Tsaknaki, T Jenkins, L Boer, S Homewood, N Howell, P Sanches
Nordic Human-Computer Interaction Conference (*NordiCHI*) *Extended Abstracts*

2019 Life-Affirming Biosensing in Public: Sounding Heartbeats on a Red Bench
N Howell, G Niemeyer, K Ryokai
Human Factors in Computing Systems (*CHI*)
Acceptance rate: 24%

Vivewell: Speculating Near-Future Menstrual Tracking through Current Data Practices
S Fox, N Howell, R Wong, F Spektor
Designing Interactive Systems (*DIS*)
Acceptance rate: 25%

2018 Tensions of Data-Driven Reflection: A Case Study of Real-Time Emotional Biosensing
N Howell, L Devendorf, T Vega Gálvez, R Tian, K Ryokai
Human Factors in Computing Systems (*CHI*)
Acceptance rate: 26%

Emotional Biosensing: Exploring Critical Alternatives
N Howell, J Chuang, A De Kosnik, G Niemeyer, K Ryokai
Proceedings of the ACM on Human-Computer Interaction (*CSCW*)
Acceptance rate: 26%

Capturing, Representing, and Interacting with Laughter
K Ryokai, E Duran, N Howell, J Gillick, D Bamman
Human Factors in Computing Systems (*CHI*)
Acceptance rate: 26%

Doodle Daydream: An Interactive Display to Support Playful and Creative Interactions Between Coworkers
S Elvitigala, S W T Chen, N Howell, D J C Matthies, S Nanayakkara
Proceedings of the Symposium on Spatial User Interaction

2017 Celebrating Laughter: Capturing and Sharing Tangible Representations of Laughter
K Ryokai, E Duran, D Bseiso, N Howell, J W Jun
Designing Interactive Systems (*DIS*) *Extended Abstracts*
Acceptance rate: 22%

Interrogating Biosensing in Everyday Life
N Merrill, R Wong, N Howell, L Stark, L Leahu, D Nafus
Designing Interactive Systems (*DIS*) *Extended Abstracts*

2016 Biosignals as Social Cues: Ambiguity and Emotional Interpretation in Social Displays of Skin Conductance
N Howell, L Devendorf, R Tian, T Vega Gálvez, N-W Gong, I Poupyrev, E Paulos, K Ryokai
Designing Interactive Systems (*DIS*)
Acceptance rate: 26%

"I don't want to wear a screen": Probing Perceptions of and Possibilities for Dynamic Displays on Clothing
L Devendorf, J Lo, N Howell, J L Lee, N-W Gong, M E Karagozler, S Fukuhara, I Poupyrev, E Paulos, K Ryokai
Human Factors in Computing Systems (*CHI*) - ***Best Paper Award***
The Best Paper Award is reserved for the top 1% of accepted papers.

2013 On the L(2,1)-Labelings of Amalgamations of Graphs
S Spence Adams, N Howell, N Karst, D Sakai Troxell, J Zhu
Discrete Applied Mathematics

2009 Effect of Microbial Pretreatment on Enzymatic Hydrolysis and Fermentation of Cotton Stalks for Ethanol Production
J Shi, R R Sharma-Shivappa, M Chinn, N Howell
Biomass and Bioenergy

▷ WORKSHOP PAPERS AND POLICY COMMENTS

2024 Reflecting on the Role of Embodiment in Sufi Zikr
N Howell, S Kozubaev
Position paper at workshop on *Navigating Intersections of Religion/Spirituality and Human-Computer Interaction*

PlayFutures: Imagining Civic Futures with AI and Puppets
S Pait, S Sharma, A Frith, M Nitsche, N Howell
Position paper at workshop on *Child-Centred AI Design, CHI 2024*

2023 Fast-Switching Spatial Thermal Display Using Water and Visible Lights
S Ichihashi, M Inami, N Howell
Position paper at workshop *Smell, Taste, and Temperature Interfaces, CHI*

2022 Comments in response to the Federal Trade Commission's Advance Notice of Proposed Rulemaking (ANPR) on a Trade Regulation Rule on Commercial Surveillance and Data Security
R Wong, W Hartsoe, N Howell
Comment ID FTC-2022-0053-1100

Children are the Future of Emotion AI
N Howell
Position paper at workshop *Age Against the Machine: Designing Ethical AI for and with Children, NordiCHI*

Years, Illness, Wildfires, Pandemic: Time and 'External Factors' in Design Ideation Processes|
N Howell
Position paper at workshop *Time and Its Study in Design Ideation Processes, NordiCHI*

Exploring Architectural Inflatables and Emotion AI to Activate Affective Public Space
N Howell
Position paper at workshop workshop *Tangible Interaction for Wellbeing, CHI*

2020 Opacity as Stubborn, Resistant Uncertainty
N Howell
Position paper at workshop *Embracing Uncertainty in HCI, CHI*

2019 Heart Sounds as a Means of Giving Form to Critical Alternatives with Biosensory Data
N Howell
Position paper at workshop *Doing Things with Research through Design, CHI*

2018 Reconfiguring Desire & Data
N Howell, G Niemeyer
Position paper at workshop *Grand Visions for Post-Capitalist Human-Computer Interaction, CHI*

2017 Personal Reflection as Creative Practice in Collaboration with Biosensing Machines
N Howell
Position paper at workshop *Mixed-Initiative Creative Interfaces, CHI*

2016 Textiles as On-Body Interactive Surfaces
N Howell
Position paper at workshop *Digital Craftsmanship: HCI Takes on Technology as an Expressive Medium, DIS*

Representation and Interpretation of Biosensing
N Howell
Position paper at *DIS Doctoral Consortium*

2015 Connecting Two Oakland Neighborhoods: Surveillance and Self-Representation
N Howell
Position paper at workshop *Inviting Participation through IoT: Experiments and Performances in Public Spaces, Critical Alternatives Decennial Conference in Aarhus*

▷ ART EXHIBITIONS & PERFORMANCES

Heart Sounds Bench 2024
Atlanta Art Fair, Atlanta, US

Heart Sounds Bench 2022
Georgia Tech Library Art Gallery, Atlanta, US

Embodied Transductions 2022
New Interfaces for Musical Expression Performance, online

Infrastructural Membranes 2022
Ferst Arts Center, Atlanta, US

Feeling Air: A Psycho-Speculative Inflatable Happening 2021
with S Protz and students at Georgia Tech and North Carolina State University, Black Mountain College Museum + Arts Center Annual Conference, Asheville, US

Heart Sounds Buckets 2019
with Stephanie Tang and Kimiko Ryokai, Worth Ryder Art Gallery, Berkeley, US

Salaam Participatory Peace Sculpture 2018
with S Clark and S Mohan, Figment Arts Festival, Oakland, US

Ebb Color-Changing Fabric 2018
with L Devendorf et al., CITRIS Tech Museum, Berkeley, US

Salaam Participatory Peace Sculpture 2017
with S Clark and S Mohan, Islamophobia Conference, Berkeley, US

▷ GRANTS & AWARDS

2024	PI	$656K	Reimagining Futures of AI-Based Emotion Inference Technologies (Emotion AI) with Diverse Teens and Young Adults **US National Science Foundation (NSF) CAREER**
	PI	$70K	Applying Generative AI for STEAM Education: Supporting AI Literacy and Community Engagement with Marginalized Youth Georgia Institute of Technology: **IDEAS Institute for Data Engineering and Science & Microsoft Azure** with Co-PI M Nitsche
	PI	$10K	Microscale Thermal Tech for Sustainability: Integrating Multidisciplinary Perspectives with Design Futuring Scenarios Georgia Institute of Technology: Institute for Matter and Systems Initiative Lead with Co-PI J Bozeman and lead PhD student researcher S Ichihashi
	Co-PI	$10K	Community-Engaged and Visceral Art Components for Smart and Sustainable Cities Georgia Institute of Technology: Undergraduate Sustainability Education Innovation Grant with PI J Bozeman and lead PhD student researcher S Ichihashi
	PI	$5K	Generating Queer Histories: Prompting Critical Reflections on Generative AI in the Archives with lead PhD candidate researcher A T Riggs

2023	PI	$10K	High-Resolution, Fast-Switching, Non-Contact Thermal Interfaces Ralph E. Powe Junior Faculty Enhancement Award
	PI	$5K	FuturesAtlanta: Creative Engagement with Generative AI Art as a Method for Designing Local Community Futures with Children in Atlanta Atlanta Interdisciplinary AI Network
	PI	$6K	Novel Thermal Interfaces Georgia Institute of Technology: COVID Faculty Relief Fund
	PI	$4.7K	Towards Ethical, Inclusive Emotion AI Futures Georgia Institute of Technology: Small Grant for Research
2022	PI	$8.8K	PREMIER: Performance Residencies in Electronic Music for Interdisciplinary Edu. Research Georgia Institute of Technology: GVU/IPaT Community Engagement Grant with Co-PI A Cohen
	Co-PI	$50K	Computational Craft Community Team Building Georgia Institute of Technology: Provost Funding with PI A Sullivan, Co-PIs V Noel, M Nitsche, S Matsumoto
	PI	$5K	Exploring the Promise and Peril of Emotion AI Georgia Institute of Technology: Small Grant for Research
	PI	$6.5K	Emotion AI - Novel Facial Recognition Tech that Predicts Emotions - Investigating Sociotechnical Implications of Emotion AI Georgia Institute of Technology: COVID Faculty Relief Fund
2021	PI	$10K	Engaging Diverse Students and Public Audiences with TensorFlow Emotion ML and Inflatable Architectural Immersive Environments with Co-PI Shawn Protz **Google TensorFlow Faculty Award**
2020	Co-R*	$4K	An Alternate Lexicon for AI with Noopur Raval and Morgan Ames Berkeley Center for Technology, Society, & Policy and Algorithmic Fairness & Opacity Group
2019	R*	$25K	Speculating 'Smart City' Cybersecurity with the Heart Sounds Bench: Détourning Data and Surveillance in Public Space with Kimiko Ryokai Berkeley Center for Long Term Cybersecurity
	Co-R*	$5K	Engaging Expert Stakeholders about the Future of Menstrual Biosensing Technology with collaborators Sarah Fox, Richmond Wong, and Franchesca Spektor Berkeley Center for Technology, Society, & Policy and Center for Long Term Cybersecurity
	R*	$1.5K	The Heart Sounds Bench, with Stephanie Tang Berkeley New Media Undergraduate Research Mentorship Award
2018	R*	$4K	Re-Centering the Body in Technological Utopias with Franchesca Spektor, John Chuang Berkeley Tech for Social Good
	R*	$2K	BaBench: Exploring Speculative Futures for Biosensing in Public Space Berkeley Jacobs Innovation Center
	R*	-	Berkeley Arts Research Center Fellowship with mentor Greg Niemeyer

	Co-R*	$5K	Menstrual Biosensing Survival Guide with collaborators Richmond Wong and Sarah Fox Berkeley Center for Technology, Society, & Policy and Center for Long Term Cybersecurity
	R*	$1.5K	The Heart Sounds Bench with mentee Victor Iancu Berkeley New Media Undergraduate Research Mentorship Award
	R*	-	Feeler Crawler Octopoets with mentee Wenny Miao and mentor Greg Niemeyer Berkeley New Media Summer Research Award
	R*	$4K	Berkeley Graduate Division Summer Grant
2017		-	Berkeley Outstanding Student Instructor Award
2014		$21K	Berkeley Cota Robles Fellowship

*As a PhD student at the time, I could not officially PI grants, but I planned the research, wrote the grant proposals and budgets, did the research, wrote the research publications, and worked with finance admin. These grants came out of my research agenda, while faculty mentors signed off and gave high level advice.

▷ TEACHING

Computer as Expressive Medium 2022-24
Lead instructor, Georgia Tech. Creative coding in p5.js for interactive media art, plus critical analysis of digital art.

Principles of Interaction Design 2022-25
Lead instructor, Georgia Tech. Designing and evaluating screen-based interfaces. Contextual inquiry, task analysis, accessibility audit, heuristic evaluations.

Discovery & Invention 2024
Research methods for HCI and design. I restructured the curriculum so students learn methods by doing them in semester-long projects for external clients.

MS Project Capstone 2023-24
Team-teaching new class guiding MS projects on research methods, IRB, portfolio review, etc.

Special Topics in HCI Research 2022-24
HCI and design research methods for graduate students.

Critical Making with Emotion AI 2021
Lead instructor, Georgia Tech. Designing and building interactive art installations that use emotion AI to analyze facial imagery to classify emotion, to prompt critical reflect on social impacts of emotion AI.

Biosensing Technologies in Everyday Life 2021
Lead instructor, NC State University. Readings, discussion, and student-driven projects on sociotechnical implications of biosensing technologies such as algorithmic oppression, surveillance, and emotional biosensing.

Critical Making & Design Futuring 2021
Lead instructor, NC State University. Readings, discussion, and student-driven design futuring projects on topics such as algorithmic oppression, facial recognition, biometric surveillance, content moderation, etc.

Creative Programming & Electronics 2018
Teaching assistant, UC Berkeley. Hands-on Arduino, p5.js, circuits, and soldering.

Tangible User Interfaces 2016-18
Teaching assistant, UC Berkeley. Lesson plans, leading labs on embodied interaction, design theory, Arduino, circuits, soldering. Design critique and project mentorship.

Deconstructing Data Science 2016
Teaching assistant, UC Berkeley. Machine learning methods with critical social analysis of assumptions and bias embedded in algorithms and how these can reinforce inequality. Python tutoring, project advising.

Creative Code Immersive 2014
Teaching assistant, Gray Area Foundation for the Arts. Arduino, Processing, circuits, and JavaScript.

Code 510 Web Development 2014-18
After-school coding club for marginalized Oakland youth.

▷ ADVISING

PhD Advisor

Supratim Pait
Xingyu Li
Alexandra Teixeira Riggs, "Designing with Ephemera: Queering Tangible Interaction Design in Archival Experiences," anticipated graduation 2026
Sylvia Janicki, "Sensing, Sensitivities, and More-than-Human Sensibilities: Designing with Data across Embodied Ecologies," 2026
Sosuke Ichihashi, "Resonant Atmospheres: Prototyping Embodied Perception Interactions," 2026

PhD Committee

Sara Milkes Espinosa, "Death Piles, Dead labor and Dead White Man's Clothes: A Study Of Platform Labor In US-based Online Secondhand Markets," 2025
Yuchen Zhao, "BioXR: Enhancing Engagement Experience with Biosensing and Immersive Media", 2026
Shubhangi Gupta, "Good Enough Explanations: How Can Local Publics Understand and Explain Civic AI," 2024
Erin Truesdell, "Designing Controllers for Collaborative Play," graduated 2023
Rachel Donley
Inha Cha
Chengzhi Zhang

MFA Committee

Cheyenne Hendrickson, "Auscultation," 2025, Georgia State University

PhD External Evaluator

Yann Seznec, "Play/Destroy: Sonic Interactions for a Dying World," 2026, KTH Stockholm, Sweden
Chiara di Lodovico, "Undefined Self: Designing with and for Ambiguity in Self-Tracking Wearables and Data Representation," 2024, Politecnico di Milano, Italy
Gabriele Barzilai, "Aesthetic Interactions: Raising Ethical Awareness through Multisensory Systems," 2024, Politecnico di Milano, Italy
Vipula Dissanayake, "Multimodal Emotion Recognition in the Wild using Unsupervised Representation Learning Techniques," 2022, University of Auckland, New Zealand

▷ ACADEMIC SERVICE

Track Chair

2025 Designing Interactive Systems (DIS) Pictorials
2023 Designing Interactive Systems (DIS) Workshops

Subcommittee Chair

2025 Human Factors in Computing Systems (CHI) Papers - Design Subcommittee

Associate Chair

2022-24 Human Factors in Computing Systems (CHI)
2019-24 Designing Interactive Systems (DIS)
2023 Tangible, Embedded, and Embodied Interaction (TEI)
2023 Academic Mindtrek Papers

Reviewer

2024 NordiCHI (Nordic Conference on Computer-Human Interaction)
2017-23 Designing Interactive Systems (DIS)
2016-22 Human Factors in Computing Systems (CHI)
2021-22 Transactions on Human-Computer Interaction (ToCHI)

2018-22 Tangible Embedded Embodied Interactions (TEI)
2018-22 NordiCHI
2022 India HCI
2019-21 Computer-Supported Cooperative Work and Social Computing (CSCW)
2021 National Science Foundation of the US (NSF)
2021 Journal of Textile Design Research and Practice
2020 ACM Group
2017 Design Issues

University Committees

2023-26 Institute Graduate Curriculum Committee, Georgia Tech
2023-24 Undergraduate Curriculum Committee, Computational Media Program, Georgia Tech
2023-24 Community Committee, Georgia Tech Dept. of Digital Media
2022-23 Executive Committee, Georgia Tech School of Literature, Media, & Communication
2020-21 Grants Committee, NC State Dept. of Communication
2020-21 Peer Teaching Evaluations Standards & Scheduling, NC State Dept. of Communication
2019 Office Redesign Committee, UC Berkeley School of Information
2015-16 PhD Student Representative to the Faculty, UC Berkeley School of Information

▷ INVITED TALKS, PANELS, & HOSTING WORKSHOPS

Reimagining Creativity: a Conversation about AI, Data, and Robotics in Art. Panelist with Bojana Ginn, Samuel Thurman. Moderator Birney Robert. Georgia Tech, 2024.

The Role of Generative AI in Teaching and Research in LMC. Panelist with Richmond Wong, Ida Yoshinaga, Brian Magerko, Zita Hüsing, Mark Leibert, Andrew Nance. Organizers Jay Bolter and Yeqing Kong. Georgia Tech, 2024.

Critical AI Literacy for Children with Schools in India, Finland, and the USA. Grace Hopper Conference for Women in Computing. With Co-Presenter Sumita Sharma. Orlando, FL, US, 2023.

Emotion AI and Fabulation: Seeking Biopolitical Futures of Respectful Care. Guest lecture in the course Biosensory Computing in the School of Information, course instructor John Chuang. UC Berkeley, 2023.

Emotion AI and Fabulation: Seeking Biopolitical Futures of Respectful Care. Keynote speaker at Nordic Fabulation Network workshop. Umeå, Sweden, 2023.

Introduction to Collaborative Autoethnography. Invited talk in Querying Experience workshop, Novel Interfaces for Musical Expression (NIME) conference. Online and Mexico City, 2023.

ChatGPT, ethics, and education for K12 teachers. Talk for GoSTEAM conference. With Sumita Sharma. CEISMC, Georgia Tech, Atlanta, US, 2023.

STEM for Enacting Ethical Change lecture with Finland high school students. Online to Oulu, Finland, 2023.

Full Radius Dance film screening of *Extension of Self: a dance between human and digital*. Panelist. Georgia Tech, 2023.

Emotional Robots and Digital Hormones: Japanese Perspectives on Human-Robot Coexistence, Jennifer Robertson book talk respondent. In the talk series Emerging Technologies and the Future of the Humanities. Emory University, US, 2023.

Toward an Affirmative Biopolitics: Reimagining Biodata with Feeling and Fabulation. Talk with Women in Music Technology. Georgia Tech, US, 2023.

Artists-in-Residence Panel for artists of PREMIER, Media Arts, and Library Artists-in-Residence programs. Moderator. Georgia Tech, 2023.

Exploring Emotion AI Ethics by Designing Tangible, Embodied, Social, Emotional Experiences with Biodata. Ethics & Coffee talk series. Georgia Tech, US, 2023.

Artists-in-Residence of PREMIER, Media Arts, and Library Artists-in-Residence programs. Panelist for Meet the Artists Reception. Georgia Tech, US, 2023.

Think Tank on Artist Residencies. Moderator for IPaT Tuesday Think Tank. Georgia Tech, US, 2022.

Design Futuring. Led a two-day invited workshop at University of Oulu, Finland, 2022.

Towards an Affirmative Biopolitics: Reimagining Biodata with Feeling and Fabulation. Invited lecture at Aalto University, as part of the Critical AI & Crisis Interrogatives Seminar. Aalto University, Finland, 2022.

Women in AI Finland invited talk with middle schoolers on AI and AI careers. International School in Oulu, Finland, 2022.

Radio interview with NPR City Lights with Lois Reitzes, with Birney Robert, about the Heart Sounds Bench (my work) being in the exhibit Extension of Self (curated by Birney Robert), 2022.

Community Conversation: Impact, Arts, and Technology. Invited panelist alongside Gabriel Kahane and Felipe Barral. Hosted by the Atlanta Opera and Georgia Tech Arts. Atlanta, US, 2022.

Designing for Emotional Meaning-Making with Data. Invited lecture at The Scholars' Lab, University of Virginia, US, 2022.

Exploring the Promise and Peril of Emotion AI, Designing for Emotional Meaning-Making with Data, and Imagining an Affirmative Biopolitics with Data. Invited lecture at the GVU Seminar Series, Georgia Tech, US, 2021.

Designing for Emotional Meaning-Making with Data: Imagining an Affirmative Biopolitics. Invited lecture at the Coffee & Viz Research Exchange, North Carolina State University, US, 2021.

Beyond Big Tech: Careers in Social Impact, Tech for Good, and Research. Panelist, UC Berkeley, 2021.

Diversity Admissions Panel, UC Berkeley, 2020.

Reimagining Cybersecurity through the Design of the Heart Sounds Bench, talk at Center for Long-Term Cybersecurity Research Exchange, Berkeley, US, 2019.

Emotional Biosensing, talk at InfoCamp Conference, Berkeley, US, 2019.

Emotional Biosensing, talk at Bay Area Signal Hackers, Pandora, Oakland, US, 2019.

A Case Study of Emotional Biosensing: Tensions of Data-Driven Reflection, for the Society for the Social Studies of Science (4S), Boston, US, 2017.

Design Thinking: From Idea to Innovation, workshop facilitator for tech industry executives with the Augmented Human Lab, Colombo, Sri Lanka, 2017.

Emotional Biosensing, guest lecture for the class Mind-Reading and Telepathy for Beginners and Intermediates at UC Berkeley, 2017.

Machine Learning Introduction, guest lecture for the class City Planning 101 at UC Berkeley, 2017.

Information vs. Interaction: A Case Study of Affective Computing, lecture for the class Deconstructing Data Science at UC Berkeley, 2016.

Rethinking Data with Emotion and Materiality, guest lecture for the class Sensors, Humans, Data, Apps at UC Berkeley, 2016.

Rethinking Data with Emotion and Materiality, lecture for the class Tangible User Interfaces at UC Berkeley, 2016.