

# Debaleena Chattopadhyay

851 S. Morgan (M/C 152) Room 1135 SEO Chicago, IL 60607 — debchatt@uic.edu

RESEARCH	Human-computer interaction; sociotechnical systems.	
INTEREST		
EMPLOYMENT	<b>Assistant Professor</b>	October, 2016–
	Department of Computer Science, The University of Illinois at Chicago, Illinois, USA	
	<b>Research Intern</b>	Summer, 2015
	Human Experience and Design (HxD) group, Microsoft Research, Cambridge, UK	
	<b>Instructor</b>	Spring, 2015
	School of Informatics and Computing, Indiana University, Indianapolis, USA	
	<b>Research Intern</b>	Summer, 2008
	Innovation Lab, Tata Consultancy Service Ltd., Kolkata, India	
EDUCATION	<b>Ph.D., Human-Computer Interaction</b>	2016
	Department of Human-Centered Computing, School of Informatics and Computing <b>Indiana University</b> , Indianapolis, Indiana, USA	
	<i>Doctoral Dissertation:</i> Understanding interaction mechanics in touchless target selection.	
	<b>M.S., Computer Science</b>	2011
	Computer Science Department <b>Stony Brook University</b> , Stony Brook, New York, USA	
	<i>Master's Thesis:</i> Multimodal tagging of human motion using skeletal tracking with Kinect.	
	<b>B.S., Computer Science &amp; Engineering</b>	2009
	Department of Computer Science and Engineering <b>West Bengal University of Technology</b> , Kolkata, West Bengal, India	

## RESEARCH

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REFEREED JOURNAL ARTICLES	[J.11] Habibi, P., & <b>Chattopadhyay, D.</b> (2021). The Impact of Handedness on User Performance in Touchless Input. <i>International Journal of Human-Computer Studies</i> , in press.
	[J.10] Dunn Lopez, K., Chae, S., Girgis M., Fraczkowski, D., Habibi, P., <b>Chattopadhyay, D.</b> , & Donevant, S. (2020). Improved readability and functions needed for mHealth apps targeting patients with heart failure: An app store review. <i>Research in Nursing &amp; Health</i> , 2020; 1– 10.
	[J.9] <b>Chattopadhyay, D.</b> , Ma T., Sharifi H., Martyn-Nemeth P. (2020). Computer-Controlled Virtual Humans in Patient-Facing Systems: Systematic Review and Meta-Analysis. <i>Journal of Medical Internet Research</i> , 22(7), e18839.
	[J.8] Knowles, B., Hanson, V., L., Rogers, Y., Piper, A., M., Waycott, J., Davies, N., Ambe, A., Brewer, R., N., <b>Chattopadhyay, D.</b> , et al., (2020). The Harm in Conflating Aging with Accessibility. <i>Communications of ACM</i> , in press.
	[J.7] <b>Chattopadhyay, D.</b> , Verma, N., Duke, J. D., & Bolchini, D. (2018). Design and Evaluation

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of Trust–Eliciting Cues in Drug–Drug Interaction Alerts. *Interacting with Computers*, 30(2), 85–98.

[J.6] **Chattopadhyay, D.**, Salvadori, F., O’Hara, K., & Rintel, S. (2017). Beyond presentation: Shared slideware control as a resource for collocated collaboration. *Human-Computer Interaction*, 33:5-6, 455–498.

[J.5] MacDorman, K. F., & **Chattopadhyay, D.** (2017). Categorization-based stranger avoidance does not explain the uncanny valley effect. *Cognition*, 161, 132–135.

[J.4] **Chattopadhyay, D.** & MacDorman, K. F. (2016). Familiar faces rendered strange: Why inconsistent realism drives characters into the uncanny valley. *Journal of Vision*, 16(11), 1–25.

[J.3] MacDorman, K. F., & **Chattopadhyay, D.** (2016). Reducing consistency in human realism increases the uncanny valley effect; increasing category uncertainty does not. *Cognition*, 146, 190–205.

[J.2] **Chattopadhyay, D.**, Rohani Ghahari, R., Duke, J. D., & Bolchini, D. (2015). Understanding advice sharing among physicians: towards trust-based clinical alerts. *Interacting with Computers*, 28(4), 532–551.

[J.1] **Chattopadhyay, D.**, & Bolchini, D. (2015). Motor-intuitive interactions based on image schemas: aligning touchless interaction primitives with human sensorimotor abilities. *Interacting with Computers*, 27(3), 327–343.

PEER-REVIEWED  
CONFERENCE  
PROCEEDINGS  
FULL PAPERS

[C.8] Yu, J., and **Chattopadhyay, D.** (2020). “Maps are hard for me”: Identifying how Older Adults Struggle with Mobile Maps. In Proceedings of the 22<sup>nd</sup> International ACM SIGACCESS Conference on Computers and Accessibility, *ASSETS*, ACM, Article 40, 1–8. (acceptance rate: 28%)

[C.7] Sakhmini, N., Yu, J., Jones, R., M., & **Chattopadhyay, D.** (2020). Personal Air Pollution Monitoring Technologies: User Practices and Preferences. In Proceedings of the HCI International 2020 — Late Breaking Papers, *HCI*, Springer, Cham. (acceptance rate: 27%)

[C.6] Acharya, S., Di Eugenio, B., Boyd, A. D., Cameron, R., Lopez, K. D., Martyn-Nemeth, P., **Chattopadhyay, D.**, Habibi, P., Dickens, C., Vatani, H., and Ardati, A. (2019). A Quantitative Analysis of Patients’ Narratives of Heart Failure. In Proceedings of the Annual Meeting of the Special Interest Group on Discourse and Dialogue, *SIGDIAL*.

[C.5] **Chattopadhyay, D.**, O’Hara, K., Rintel, S., & Rädle, R. (2016) Office Social: Presentation interactivity for nearby devices. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, *CHI*, 2487–2491, ACM. (acceptance rate: 23.4%)

[C.4] **Chattopadhyay, D.**, & Bolchini, D. (2014). Touchless Circular Menus: Toward an intuitive UI for touchless interactions with large displays. In Proceedings of the International Working Conference on Advanced Visual Interfaces, *AVI*, 33–40, ACM. (acceptance rate: 29%)

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- [C.3] Yun, K., Carrillo, J. H., **Chattopadhyay, D.**, Berg, T. L., & Samaras, D. (2012). Two-person interaction detection using body-pose features and multiple instance learning. In Proceedings of Computer Vision and Pattern Recognition Workshops, *CVPR*, 28–35, IEEE.
- [C.2] Berg, T. L., **Chattopadhyay, D.**, Schedel, M., & Vallier, T. (2012). Interactive music: Human motion initiated music generation using skeletal tracking by Kinect. In Proceedings of Society for Electro-Acoustic Music in the United States, *SEAMUS*, Wisconsin, USA.
- [C.1] Bhowmick, B., & **Chattopadhyay, D.** (2009). Shot boundary detection using texture feature based on co-occurrence matrices. In Proceedings of International Conference on Multimedia, Signal Processing and Communication Technologies, *IMPACT*, 165–168, IEEE.
- [E.18] Yu, J., and **Chattopadhyay, D.** (2020). Supporting Older Adults in Locating Mobile Interface Features with Voice Input. In Proceedings of the 22<sup>nd</sup> International ACM SIGACCESS Conference on Computers and Accessibility, *ASSETS*, ACM, Article 97, 1–4.
- [E.17] Sengupta, K., Sarcar, S., Pradhan, A., McNaney, R., Sayago, S., **Chattopadhyay, D.**, & Joshi, A. (2020). Challenges and Opportunities of Leveraging Intelligent Conversational Assistant to Improve the Well-being of Older Adults. SIG proposal. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, *CHI*, ACM.
- [E.16] Dunn Lopez, K., Chae, S. Girgis, M., Fraczkowski, D. Habibi, P., **Chattopadhyay, D.**, & Donevant, S.B. (2020). Improved Readability and Functions needed for mHealth targeting patients with heart failure: An app store review. Midwest Nursing Research Society’s 44<sup>th</sup> Annual Research Conference, *MNRS*, Chicago, USA.
- [E.15] Vatani, H., Acharya, S, Boyd, A. D., Di Eugenio, B, Cameron, R, Martyn-Nemeth, P., **Chattopadhyay, D.**, Habibi, P., Dickens, C., Ardati, A, & Dunn Lopez, K. (2019). Patients’ Perceptions of Heart Failure Through the Lens of Standardized Nursing Terminologies, *AMIA*, Washington, D.C., USA.
- [E.14] Acharya, S., Di Eugenio, B., Boyd, A. D., Cameron, R., Lopez, K. D., Martyn-Nemeth, P., **Chattopadhyay, D.**, Habibi, P., Dickens, C., Vatani, H., & Ardati, A. (2019). Promoting Patient Engagement Through Personalized Hospital-Stay Summaries. IEEE International Conference on Biomedical & Health Informatics, *BHI*, Chicago, USA.
- [E.13] Habibi, P., Acharya, S., Di Eugenio, B., Cameron, R., Boyd, A. D., Lopez, K. D., Martyn-Nemeth, P., Dickens, C., Ardati, A., & **Chattopadhyay, D.** (2019). Designing self-care technologies for HF patients: A conceptual model. Workgroup on Interactive Systems in Healthcare, *WISH*, Glasgow, UK.
- [E.12] **Chattopadhyay, D.** (2019). Designing for Older Adults: Beyond Accessibility. Position paper at the HCI and Aging: Beyond Accessibility Workshop, *CHI*, Glasgow, UK.
- [E.11] Habibi, P., & **Chattopadhyay, D.** (2019). A Left-Hand Advantage: Motor Asymmetry in Touchless Input. In Proceedings of the SIGCHI Conference on Human Factors in Computing

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Systems. *CHI*, ACM.

[E.10] Ma, T., Sharifi, H., & **Chattopadhyay, D.** (2019). Virtual Humans in Health-Related Interventions: A Meta-Analysis. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems. *CHI*, ACM.

[E.9] Naik, H., & **Chattopadhyay, D.** (2019). An Extensible Data Collection and Annotation Tool for Co-located Group Interactions. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems. *CHI*, ACM.

[E.8] **Chattopadhyay, D.** (2018). Toward a Bayesian Approach for Self-Tracking Personal Pollution Exposures. *UbiComp Adjunct*, 1166–1171, ACM.

[E.7] Sakhnini, N., Yu, J., and **Chattopadhyay, D.** (2018). myCityMeter: Helping Older Adults Manage the Environmental Risk Factors for Cognitive Impairment. *UbiComp Adjunct*, 235–238, ACM. *Best Poster Honorable Mention, top 1.5%*

[E.6] **Chattopadhyay, D.**, Duke, J. D., & Bolchini, D. (2016). Endorsement, prior action, and language: modeling trusted advice in computerized clinical alerts. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, *CHI*, 2027–2033, ACM. *Best Paper Honorable Mention, top 5%*

[E.5] **Chattopadhyay, D.** (2015). Toward motor–intuitive interaction primitives for touchless interfaces. In Proceedings of the Tenth International Conference on Interactive Tabletops and Surfaces, *ITS*, 445–450, ACM. (*Doctoral Consortium*)

[E.4] **Chattopadhyay, D.** (2015). Exploring perceptual and motor Gestalt in touchless interactions with distant displays. In Proceedings of the Ninth International Conference on Tangible, Embedded and Embodied Interaction, *TEI*, 433–436, ACM. (*Doctoral Consortium*)

[E.3] **Chattopadhyay, D.**, Achmiz, S., Saxena, S., Bansal, M., Bolchini, D., & Volda, S. (2014). Holes, pits, and valleys: guiding large-display touchless interactions with data-morphed topographies. Ext. Abstracts, *UbiComp*, 19–22, ACM.

[E.2] **Chattopadhyay, D.**, Pan, W., & Bolchini, D. (2013). A ‘Stopper’ metaphor for persistent visual feedback in touchless interactions with wall-sized displays. International Symposium on Pervasive Displays, *PerDis*, Mountain View, California, USA.

[E.1] **Chattopadhyay, D.**, & Bolchini, D. (2013). Laid-back, touchless collaboration around wall-size displays: visual feedback and affordances. Position paper at the International Workshop on Interactive, Ultra-High-Resolution Displays (POWERWALL), *CHI*, Paris, France.

## PATENTS

[P.2] Content navigation control, US Provisional Patent, (2017), Co-inventors: O’Hara, K., Smyth, G., Rintel, S., **Chattopadhyay, D.**

[P.1] Shot boundary detection based on co-occurrence matrices, Government of India Provisional Patent Application No. 2124/MUM/2008 A, Date filed: 03/10/2008, Date published: 30/07/2010,

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Co-inventors: **Chattopadhyay, D.**, Bhowmick, B.

ACTIVE GRANTS [G.2] NIH: R01: SCH: INT: MyPHA: Automatically generating personalized accounts of in-patient hospitalization. \$1,495,213 Co-PI, 2018–2022

COMPLETED GRANTS [G.1] NSF: MRI: Development of Continuum: A Virtualized Attentive Environment for Amplified Collaboration. \$566,001 Co-PI, 2016–2019

HONORS & AWARDS **Honors and Fellowships—**  
UbiComp/ISWC 2018 Best Poster Honorable Mention. 2018  
CHI 2016 Late-Breaking Work (LBW) Best Paper Honorable Mention. 2016  
Indiana University Graduate School IUPUI Chancellor’s Scholar. 2016  
SIGCHI Special Recognition, CHI 2015 reviewer 2015  
Best graduate student in the IU School of Informatics and Computing, Indianapolis, USA. 2015  
Premiere 10 Award, top 10 among all graduate and professional students at IUPUI. 2015  
Elite 50 Award<sup>1</sup>, Indianapolis, IN, USA. 2015  
Indiana University–Purdue University Indianapolis (IUPUI) Fellowship. 2012  
Computer Science Chair Fellowship, Stony Brook University. 2009

**Travel Awards—**  
IUPUI Graduate Office Travel Fellowship Award. 2015  
NSF Travel Grant, TEI 2015 Doctoral Consortium (GSC), Stanford, CA, USA. 2015  
Microsoft Travel Award, ACM SRC, GHC, Minneapolis, MN, USA. 2013  
Xerox-Foundation Scholarship, GHC, Minneapolis, MN, USA. 2013  
IUPUI SoIC Travel Award, ACM TAPIA Conference, Washington D.C., USA. 2012  
Carnegie Mellon University Honorarium, Art && Code, Pittsburgh, USA. 2011  
ACM scholarship, CRA-W Graduate Cohort Workshop, Boston, MA, USA. 2011

INVITED TALKS *Designing beyond-the-desktop technologies for older adults.*  
Department of Mathematics, Statistics, and Computer Science Colloquium, Marquette University, Milwaukee, WI. October 2018

*Virtual characters in health-related assessments and interventions: some sociotechnical implications.*  
Keynote at the Work in the Age of Intelligent Machines Academy of Management Professional Development Workshop, Chicago. August 2018

*Thinking about affordances to design intuitive, interactive Systems.*  
College of Computing and Digital Media Colloquium, De Paul University, Chicago. May 2018

*From critique to collaboration: A fundamental rethinking of computerized clinical alerts.*  
Indiana Chapter of the Usability Professionals’ Association (UxPA), Indianapolis. March 2015

*Touchless Circular Menus: Toward an intuitive UI for touchless interactions with large displays.*  
International Working Conference on Advanced Visual Interfaces AVI, Como, Italy. May 2014

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<sup>1</sup>Elite 50 recognizes and rewards achievement outside the classroom, representing the top 0.5 percent of about 8,100 graduate and professional students at IUPUI.

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*Collaboration around wall-sized displays.*  
 Statewide IT Conference, Bloomington, Indiana. October 2013

*Designing the touchless user experience with wall-sized displays.*  
 Indiana Chapter of the Usability Professionals' Association (UxPA), Indianapolis. October 2013

*Multimodal tagging of human motion using skeletal tracking with Kinect.*  
 Art & Code 3D Workshop. Carnegie Mellon University, Pittsburgh. October 2011

*Shot boundary detection using texture feature based on co-occurrence matrices.*  
 International Conference on Multimedia, Signal Processing and Communication Technologies,  
 Aligarh Muslim University, Aligarh, India. March 2009

NON  
 PEER-REVIEWED  
 PUBLICATIONS

**Chattopadhyay, D.** (2018). Shared Document Control in Multi-Device Classrooms. Technical Report CI-MDC-10-2018. University of Illinois at Chicago.

Jones, R., M., **Chattopadhyay, D.**, Huang, Y-K., Jagai, J., & Shi, X. (2018). Data Infrastructure and Gateway for Environmental Health Research. Poster presented at ISES-ISEE 2018 Joint Annual Meeting. International Society of Exposure Science and the International Society for Environmental Epidemiology.

Habibi, P., & **Chattopadhyay, D.** (2018). Touchless Performance in Non-Preferred Hands. Poster presented at the CRA-W Grad Cohort 2018, San Francisco, CA.

Sakhnini, N., & **Chattopadhyay, D.** (2018). Walking the talk: Generating memory cues to help people with dementia in everyday conversations. Poster presented at the Role/Play: Collaborative Creativity and Creative Collaborations Student Fellows Symposium. National Academy of Sciences, Washington, D. C.

Bolchini, D., **Chattopadhyay, D.**, Jia, Y., Rohani Ghahari, R. & Duke, J., D. (2016). From critique to collaboration: A fundamental rethinking of computerized clinical alerts. Poster, IUPUI Research Day, Indianapolis, Indiana.

Bolchini, D., Duke, J. D., **Chattopadhyay, D.**, & Rohani Ghahari, R. (2015). From critique to collaboration: A fundamental rethinking of computerized clinical alerts. Poster presented at NSF SCH PI Workshop, Washington D.C..

**Chattopadhyay, D.**, & Bolchini, D. (2014). Understanding visual feedback in large-display touchless interactions: an exploratory study. IUPUI Scholar Works, Indiana University.

**Chattopadhyay, D.**, Achmiz, S., & Bolchini, D. (2014). Next-generation interaction with ultra large, wall-sized displays. Poster, IUPUI Research Day, Indianapolis, Indiana.

**Chattopadhyay, D.** (2013). A 'Stopper' metaphor for persistent visual feedback in touchless interactions with wall-sized displays. Poster, ACM Student Research Competition at The GHC Women in Computing, Minneapolis, Minnesota.

Wei, P., **Chattopadhyay, D.**, & Bolchini, D. (2013). The WADER environment: facilitating systematic design of touchless interactions with wall-size displays. Poster co-presented at the IUPUI Research Day, Student Showcase, IUPUI Campus Center, Indianapolis, Indiana.

**Chattopadhyay, D.**, He, L., Jia, Y., & Bolchini, D. (2012). Novel interaction techniques for collaborating on wall-sized displays. Poster, IUPUI Research Day, Indianapolis, Indiana.

**Chattopadhyay, D.**, Vallier, T., Berg, T., L., & Schedel, M. (2011). What does your Moonwalk sounds like? Tagging moves with music. Poster, CRA-W Graduate Workshop, Boston, MA.

**Chattopadhyay, D.**, Yamaguchi, K., Ordonez, V., & Berg, T., L. (2010). Internet vision: What can we do with 10 billion pictures (and words). Poster, NSF I/UCRC Workshop on Dynamic Data Analytics, New York, NY.

## TEACHING

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### TEACHING

#### Department of Computer Science, UIC

User Interface Design and Programming (CS 422) Spring 2021

*Delivered online asynchronously due to the COVID-19 pandemic*

Students enrolled: 120

Human-Computer Interaction (CS 522) Fall 2020

*Delivered online synchronously due to the COVID-19 pandemic*

Students enrolled: 17, A awarded: 11

Evaluation ( $n = 15$ ): Instructor—3.6/5; Course—3.67/5

User Interface Design and Programming (CS 422) Spring 2019

Students enrolled: 89, A awarded: 26

Undergraduate section—Evaluation ( $n = 67$ ): Instructor—4.3/5; Course—4.06/5

Graduate section—Evaluation ( $n = 9$ ): Instructor—4.44/5; Course—4.56/5

Ways of Knowing: Empirical Methods in Human-Centered Computing (CS 594) Fall 2018

Students enrolled: 9, A awarded: 8

Evaluation ( $n = 7$ ): Instructor—4.71/5; Course—4.71/5

User Interface Design and Programming (CS 422) Spring 2018

Students enrolled: 68, A awarded: 25

Evaluation ( $n = 11$ ): Instructor—3.82/5; Course—4.18/5

Human-Computer Interaction (CS 522) Fall 2017

Students enrolled: 35, A awarded: 24

Evaluation ( $n = 29$ ): Instructor—4/5; Course—3.9/5

Human-Computer Interaction (CS 522) Spring 2017

Students enrolled: 22, A awarded: 12

Evaluation ( $n = 16$ ): Instructor—4.38/5; Course—4.25/5

**School of Informatics and Computing, Indiana University, Indianapolis**  
 Introduction to Informatics (INFO 501) Spring 2015  
 Co-Instructor, Introduction to Informatics (INFO 501) Spring 2014

**Teaching Assistant**

**School of Informatics and Computing, Indiana University, Indianapolis**  
 User Experience Architectures (Graduate course) Summer – 2014, 2015  
 Psychology of HCI (Graduate course) Fall 2013  
 Introduction to Research in Informatics (Undergraduate course) Spring 2012  
 Serious Games (Undergraduate course) Fall 2011  
 Psychology of Media (Undergraduate course) Fall 2011

**Computer Science Department, Stony Brook University, New York**

Introduction to Programming (Undergraduate course) Spring 2010  
 Computer Science I (Undergraduate course) Spring 2010  
 Introduction to Computer Science (Undergraduate course) Fall 2009

**GUEST  
LECTURES**

**University of Illinois at Chicago**

Ergonomics & Human Factors, Department of Mechanical & Industrial Engg. February 2020  
 Research Methods in HCI, Department of Computer Science, UIC February 2018  
 Research Methods in HCI, Department of Computer Science, UIC February 2017  
 Designing for Empathy in Virtual Humans, Department of Communications, UIC April 2017

**School of Informatics and Computing, Indiana University, Indianapolis**

Informatics Research Design, Empirical Research in HCI November 2015  
 Seminar in Health Informatics-I, Usability Testing & Wall Display Research July 2013  
 Serious Games, Introduction to Behavioral Theories October 2011  
 Psychology of Media, Introduction to Persuasion Theories October 2011

**SERVICE**

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**PEER-REVIEW**

**Panel:**

University of Illinois, Discovery Partners Institute (DPI) Seed Program 2019  
 NSF, Small Business Innovation Research (SBIR) 2018  
 NSF, Computer & Information Science & Engineering (CISE) 2017

**Editorial Board:**

Frontiers in Computer Science 2018–2020  
 Frontiers in Psychology 2018–2020

**Conference Reviewer:**

INTERACT: IFIP TC.13 International Conference on Human-Computer Interaction 2021  
 CHI: ACM Conference on Human Factors in Computing Systems 2015–2017; 2021  
 UIST: ACM User Interface Software and Technology Symposium 2020  
 INTERACT: IFIP TC.13 International Conference on Human-Computer Interaction 2019  
 HRI: ACM/IEEE International Conference on Human-Robot Interaction 2017–2019



IUI: ACM International Conference on Intelligent User Interfaces	2015, 2019
DIS: ACM SIGCHI Designing Interactive Systems	2018
GI: Graphics Interface	2018
ISS: ACM International Conference on Interactive Surfaces and Spaces	2017
SUI: ACM Symposium on Spatial User Interaction	2017
TEI: ACM International Conference on Tangible, Embedded and Embodied Interaction	2017
ASSETS: ACM SIGACCESS Conference on Computers and Accessibility	2016
AVI: International Working Conference on Advanced Visual Interfaces	2016
INTERACT: IFIP TC.13 International Conference on Human-Computer Interaction	2015
UbiComp: ACM International Joint Conference on Pervasive and Ubiquitous Computing	2014
NordiCHI: Nordic Conference on Human-Computer Interaction	2014
ENTER: eTourism Conference	2013
ACM Multimedia	2010

**Journal Reviewer:**

Journal on Multimodal User Interfaces	2019–
Perception	2019–
PACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)	2018–
Frontiers in Psychology	2016–
International Journal of Human-Computer Studies	2017
Cognition	2016
International Journal of Social Robotics	2016
PLoS ONE	2016
Interacting with Computers	2015
The Visual Computer	2014

ADVISING

**Department of Computer Science, UIC**

PH.D. STUDENTS

Pantea Habibi	Summer 2017 –
Ja Eun Yu	Fall 2017 –
Hasti Sharifi	Fall 2018 –
Nina Sakhnini	Fall 2019 –

M.S. STUDENTS

Nina Sakhnini (Thesis track)	Summer 2017 – Spring 2019
— <i>Towards self-tracking personal pollution exposure using wearables</i>	
Venkata Ramkiran Chevendra (Project track)	Summer 2017 – Spring 2018
— <i>Collabsearch: A lightweight app for remote collaboration</i>	

UNDERGRADUATE STUDENTS

Damian Charczuk, UIC	Summer 2019
Julianne Pabona, UIC	Summer 2019
Anthony Beltran, UIC	Summer 2018
Kaveesha Weerasiri, UIC	Summer 2018
Mariko Kamiya, Swarthmore College, DREU scholar	Summer 2017

Taylor Day, Texas A&M, DREU scholar	Summer 2017
Giovanni Garcia, UIC Honors College	Summer 2017
Jack Delaney, UIC	Summer 2017
Maxwell Dausch, UIC	Summer 2017

#### PH.D. COMMITTEES

Krishna Bharadwaj, Dissertation committee	2020 –
Haleh Vatani, Dissertation committee	2020 –
— <i>Laying the foundation for information technology to engage informal caregivers in dyadic self-care</i>	
Arthur Nishimoto, Dissertation committee	2019 –
Jillian Aurisano, Dissertation committee	2019 –
Kristina Sawyer, Dissertation committee	2019 –
Kristina Sawyer, Prelims committee	2018 – 2019
Tomas Gerlich, Dissertation committee <i>Rigid multi-motion optical flow estimation.</i>	2017
Sabita Acharya, Dissertation committee	2016 – 2019
— <i>Generating personalized hospital-stay summaries for patients</i>	

#### MS PROJECT COMMITTEES

Khushbu Durge. <i>Activity recognition using android accelerometer sensor</i>	2018
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#### WRITTEN CRITIQUE AND PRESENTATION (WCP) COMMITTEES

Mingquan Ye.	2021
Nina Sakhnini. <i>Exploring Visual (mis)Information for Older Adults</i>	2021
Ben Baenen. <i>Concurrency Paradigms: approaches and implementations</i>	2020
Hasti Sharifi	2019
— <i>How older adults use assistive technologies; Emerging issues in trust, privacy, and confidentiality</i>	
Ja Eun Yu. <i>Machine learning in mental health assessment and intervention</i>	2019
Mojtaba Malekpourshahraki	2019
— <i>A Survey and Critique on Congestion Control Mechanisms in Datacenter Networks</i>	
Pantea Habibi. <i>User-Defined Gestural Interaction.</i>	2018
Harish Naik. <i>Proxemics: Characterization and applications in collaborative work</i>	2018
Hai Thanh Tran	2018
— <i>Utilizing textual content from online communities to provide better support to patients</i>	
Kyle Almryde. <i>Electronic health data visualization: A summary and critical review</i>	2017

#### STUDENT ORGANIZATIONS

Audio Engineering Society	Fall 2017 –
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#### **School of Informatics and Computing, Indiana University, Indianapolis**

Pankaj Avhad, MS (HCI) —with Davide Bolchini	2015 – 2016
Manisha Yogan, MS (HCI) —with Karl F. MacDorman	Spring 2015
Shivin Saxena, MS (HCI) —with Stephen Volda	Summer 2014
Malvika Bansal, MS (HCI) —with Stephen Volda	Summer 2014
Wei Pan, MS (HCI) —with Davide Bolchini	2012 – 2013

## ADMINISTRATIVE

**Scientific Community**

Expert Panel, Doctoral Colloquium, Ubicomp/ISWC	2020
Program Committee, CHI	2019, 2020
Session Chair, CHI	2019
Program Committee, CHI LBW	2019
Organizing Committee, Poster and Web Chair, GCASR	2018

**University of Illinois at Chicago**

External Member, Tenure-Track Search Committee, Department of Communication	2019 – 2020
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**Department of Computer Science, UIC**

Member, Tenure-Track Search Committee	2020 – 2021
Member, Tenure-Track Search Committee	2019 – 2020
Member, Tenure-Track Search Committee (with Learning Sciences)	2018 – 2019
Member, Tenure-Track Search Committee	2017 – 2018
Member, Graduate Committee	Spring 2017
Marshalled CS Commencement	May 2017

**Indiana University–Purdue University, Indianapolis**

Chair, ACM-W Chapter	2013 – 2015
Graduate Vice-president, Women in Technology (WiT) student organization	2012 – 2014

**School of Informatics and Computing, Indiana University, Indianapolis**

Member, Human-Centered Computing (HCC) Tenure Track Search Committee	2014 – 2015
Member, Informatics Student Government (ISG)	2012 – 2013

**Stony Brook University, Stony Brook, New York**

Secretary, ACM-W Chapter, Women in Computer Science (WiCS)	2009 – 2011
Juror, Hearing Board of the Academic Judiciary, Computer Science Department	2010 – 2011

## OUTREACH

[S.11] Invited Speaker, Career Day, Daniel Boone Elementary School. Chicago, Illinois	June 2019
[S.10] Invited Speaker, UIC Engineering Living-Learning Community. Chicago, Illinois	November 2017
[S.9] Distributed Research Experiences for Undergraduates (DREU) mentor Chicago, Illinois	Summer 2017
[S.8] Visiting Speaker, Introduction to Human-Computer Interaction. Recruitment talk at Fishers High School, Fishers, Indiana.	November 2014
[S.7] Visiting Speaker, Natural User Interfaces: What’s so unnatural about them? Research outreach talk to high school students at Park Tudor School, Indianapolis.	October 2014
[S.6] Visiting Speaker, Introduction to Human-Computer Interaction. Research outreach talk to high school students at Park Tudor School, Indianapolis.	September 2014

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[S5] Coordinator, Touchless Interaction with Large Displays. Research demo at the 2013 City of Indianapolis VEX Robotics Championship, Banker's Life Fieldhouse, Indianapolis. November 2013

[S.4] Guest Speaker, Wall Display User Experience Research. Presented at an outreach event to 130 high school students visiting the IUPUI School of Informatics and Computing Campus from central Indiana, School of Informatics and Computing, Indianapolis, Indiana. June 2013; September 2013

[S.3] Guest Speaker, Women in Technology, U.S. Department of State's International Visitor Leadership Program. IUPUI, Indianapolis. April 2013

[S.2] Organizer and Emcee, Speed Presentation, Women in Technology Annual Networking Event. IUPUI Campus Center, Indianapolis, Indiana. March 2013

[S.1] Guest Speaker, Touchless Interaction with Large Displays. Presented at an outreach event to 85 high school students visiting the IUPUI School of Informatics and Computing Campus from Providence Cistro Rey High School. October 2012