Saeed Abdullah

saeed@psu.edu • saeedabdullah.com

2017 – **Assistant Professor**
College of Information Sciences and Technology
Penn State University

Education

2011 – 2017 **PhD, Department of Information Science, Cornell University**
Committee: Tanzeem Choudhury (chair), Geri Gay and Deborah Estrin
Dissertation: Circadian Computing: Sensing and Stabilizing Biological Rhythms

2011 – 2014 **Master of Science, Department of Information Science, Cornell University**
Advisor: Tanzeem Choudhury

2009 – 2011 **Master of Science, Computer Science, University of Vermont**
Advisor: Xindong Wu

2003 – 2007 **Bachelor of Science, Computer Science & Engineering, Bangladesh University of Engineering & Technology**
Advisors: Dr Monirul Islam and Shohrab Hossain
Thesis: Evolution of Neural Network using Genetic Algorithm

Publications

Journal Articles

2021 J09 **A Query Conundrum: The Mental Challenges of Using a Cognitive Assistant**
Torsten Maier, Saeed Abdullah, Christopher McComb, and Jessica Menold
SN Computer Science
DOI: 10.1007/s42979-021-00621-9

2020 J08 **It Didn't Sound Good with My Cochlear Implants: Understanding the Challenges of Using Smart Assistants for Deaf and Hard of Hearing Users**
Johnna Blair and Saeed Abdullah
Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)
DOI: 10.1145/3432194

2018 J07 **Sensing Technologies for Monitoring Serious Mental Illnesses**
Saeed Abdullah and Tanzeem Choudhury
IEEE Multimedia - Special Issue on New Signals in Multimedia

DOI: 10.1109/MMUL.2018.011921236

J06 **Personalized stress monitoring: a smartphone-enabled system for quantification of salivary cortisol**
Elizabeth Rey, Aadhar Jain, Saeed Abdullah, Tanzeem Choudhury, and David Erickson
Personal and Ubiquitous Computing
DOI: 10.1007/s00779-018-1164-z

2017 J05 **Semi-Automated Tracking: A Balanced Approach for Self-Monitoring Applications**
Eun Kyoung Choe, Saeed Abdullah, Mashfiqui Rabbi, Edison Thomaz, Daniel A. Epstein, Matthew Kay, Felicia Cordeiro, Gregory D. Abowd, Tanzeem Choudhury, James Fogarty, Bongshin Lee, Mark Matthews, and Julie A. Kientz
IEEE Pervasive Computing
DOI: 10.1109/MPRV.2017.18

2016 J04 **Development and Evaluation of a Smartphone-Based Measure of Social Rhythms for Bipolar Disorder**
Mark Matthews, Saeed Abdullah, Geri Gay, and Tanzeem Choudhury
Assessment (ASM)
DOI: 10.1177/1073191116656794

2015 J03 **Automatic detection of social rhythms in bipolar disorder**
Saeed Abdullah, Mark Matthews, Ellen Frank, Gavin Doherty, Geri Gay, and Tanzeem Choudhury
Journal of the American Medical Informatics Association (JAMIA)
DOI: 10.1093/jamia/ocv200

J02 **Mobile Behavioral Sensing for Outpatients and Inpatients With Schizophrenia**
Dror Ben-Zeev, Rui Wang, Saeed Abdullah, Rachel Brian, Emily Scherer, Lisa Mistler, Marta Hauser, John Kane, Andrew Campbell, and Tanzeem Choudhury
Psychiatric Services
DOI: 10.1176/appi.ps.201500130

2014 J01 **Tracking Mental Well-Being: Balancing Rich Sensing and Patient Needs**
Mark Matthews, Saeed Abdullah, Geri Gay, and Tanzeem Choudhury
IEEE Computer
DOI: 10.1109/MC.2014.107

Conference Papers

2021 C19 **Assessing effectiveness and interpretability of light behaviors in smart speakers**
Sahiti Kunchay and Saeed Abdullah
Conversational User Interfaces
In press

2020 ★ C18 **Will Deleting History Make Alexa More Trustworthy? Effects of Privacy and Content Customization on User Experience of Smart Speakers**
Eugene Cho, S. Shyam Sundar, Saeed Abdullah, and Nasim Motalebi
CHI Conference on Human Factors in Computing Systems
Acceptance rate: 24.31% • DOI: 10.1145/3313831.3376551
Honorable Mention (top 5% of submissions)

C17 **Alexa as Coach: Leveraging Smart Speakers to Build Social Agents that Reduce Public Speaking Anxiety**
Jinping Wang, Hyun Yang, Ruosi Shao, Saeed Abdullah, and S. Shyam Sundar
CHI Conference on Human Factors in Computing Systems
Acceptance rate: 24.31% • DOI: 10.1145/3313831.3376561

2018 C16 **AlertnessScanner: What Do Your Pupils Tell About Your Alertness**
Vincent W.-S. Tseng, Saeed Abdullah, Jean Costa, and Tanzeem Choudhury
Conference on human-computer interaction with mobile devices and services (MobileHCI)
Acceptance rate: 24.5% • DOI: 10.1145/3229434.3229456

C15 **Understanding Challenges in Prehabilitation for Patients with Multiple Chronic Conditions**
Haining Zhu, Zachary Moffa, Xiying Wang, Saeed Abdullah, Juxihong Julaiti, and John Carroll
Pervasive Health
Acceptance rate: 24% • DOI: 10.1145/3240925.3240959

2016 C14 **Cognitive Rhythms: Unobtrusive and Continuous Sensing of Alertness Using a Mobile Phone**
Saeed Abdullah, Elizabeth Murnane, Mark Matthews, Matthew Kay, Julie Kientz, Geri Gay, and Tanzeem Choudhury
Conference on Pervasive and Ubiquitous Computing (UbiComp)
Acceptance rate: 23% • DOI: 10.1145/2971648.2971712

C13 **Shining (Blue) Light on Creative Ability**
SAEED ABDULLAH, Mary Czerwinski, Gloria Mark, and Paul Johns
Conference on Pervasive and Ubiquitous Computing (UbiComp)
Acceptance rate: 23% • DOI: 10.1145/2971648.2971751

C12 **CrossCheck: Toward passive sensing and detection of mental health changes in people with schizophrenia**
Rui Wang, Min S.H. Aung, SAEED ABDULLAH, Dror Ben-Zeev, Rachel Brian, Andrew T Campbell, Tanzeem Choudhury, Marta Hauser, John Kane, Michael Merrill, Emily Scherer, and Vincent Wen-Sheng Tseng
Conference on Pervasive and Ubiquitous Computing (UbiComp)
Acceptance rate: 23% • DOI: 10.1145/2971648.2971740

★ C11 **Mobile manifestations of alertness: Connecting biological rhythms with patterns of smartphone app use**
Elizabeth Murnane, SAEED ABDULLAH, Mark Matthews, Matthew Kay, Julie Kientz, Geri Gay, Tanzeem Choudhury, Dan Cosley
Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI)
Acceptance rate: 23.5% • DOI: 10.1145/2935334.2935383
BEST PAPER AWARD (TOP 2 PAPERS)

C10 **Detecting and Capitalizing on Physiological Dimensions of Psychiatric Illness**
Mark Matthews, SAEED ABDULLAH, Geri Gay, and Tanzeem Choudhury
Conference on Physiological Computing Systems (PhyCS)
DOI: 10.5220/0005952600980104

2015 C09 **Social (Media) Jet Lag: How Usage of Social Technology Can Modulate and Reflect Circadian Rhythms**
Elizabeth L. Murnane, SAEED ABDULLAH, Mark Matthews, Tanzeem Choudhury, and Geri Gay
Conference on Pervasive and Ubiquitous Computing (UbiComp)
Acceptance rate: 23% • DOI: 10.1145/2750858.2807522

C08 **In Situ Design for Mental Illness: Considering the Pathology of Bipolar Disorder in mHealth Design**
Mark Matthews, Stephen Voida, SAEED ABDULLAH, Gavin Doherty, Tanzeem Choudhury, Sangha Im, and Geri Gay
Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI)
Acceptance rate: 27% • DOI: 10.1145/2785830.2785866

C07 **Collective Smile: Measuring Societal Happiness from Geolocated Images**
SAEED ABDULLAH, Elizabeth L. Murnane, Jean MR Costa, and Tanzeem Choudhury

Conference on Computer Supported Cooperative Work & Social Computing (CSCW)
Acceptance rate: 28% • DOI: 10.1145/2675133.2675186

C06 **MoodLight: Exploring Personal and Social Implications of Ambient Display of Biosensor Data**
Jaime Snyder, Mark Matthews, Jacqueline Chien, Pamara F. Chang, Emily Sun, SAEED ABDULLAH, and Geri Gay
Conference on Computer Supported Cooperative Work & Social Computing (CSCW)
Acceptance rate: 28% • DOI: 10.1145/2675133.2675191

2014 C05 **Towards Circadian Computing: "early to bed and early to rise" makes some of us unhealthy and sleep deprived**
SAEED ABDULLAH, Mark Matthews, Elizabeth L. Murnane, Geri Gay, and Tanzeem Choudhury
Conference on Pervasive and Ubiquitous Computing (UbiComp)
Acceptance rate: 20% • DOI: 10.1145/2632048.2632100

2012 C04 **Towards Population Scale Activity Recognition: A Framework for Handling Data Diversity**
SAEED ABDULLAH, Nicholas Lane, and Tanzeem Choudhury
AAAI Conference on Artificial Intelligence
Acceptance rate: 26% • DOI: 10.5555/2900728.2900849

2011 C03 **An Epidemic Model for News Spreading on Twitter**
SAEED ABDULLAH and Xindong Wu
Conference on Tools with Artificial Intelligence (ICTAI)
Acceptance rate: 23% • DOI: 10.1109/ICTAI.2011.33

2009 C02 **Evolving Multilayer Neural Networks using Permutation free Encoding Technique**
Anupam Das and SAEED ABDULLAH
Conference on Artificial Intelligence (ICAI)
Acceptance rate: 23%

2008 C01 **Permutation Free Encoding Technique for Evolving Neural Networks**
Anupam Das, Md. Shohrab Hossain, SAEED ABDULLAH, and Rashed Ul Islam
International Symposium on Neural Networks (ISNN)
Acceptance rate: 23% • DOI: 10.1007/978-3-540-87732-5_29

Book chapters

2021 B02 **Ubiquitous computing for person-environment research: Opportunities, considerations, and future directions**
Sumer S. Vaid, Saeed Abdullah, Edison Thomaz, and Gabriella M. Harari
Measuring and Modeling Persons and Situations
In press

2017 B01 **Circadian Computing: Sensing, Modeling, and Maintaining Biological Rhythms**
Saeed Abdullah, Elizabeth L. Murnane, Mark Matthews, and Tanzeem Choudhury
Mobile Health: Sensors, Analytic Methods, and Applications edited by Jim Rehg, Susan Murphy, and Santosh Kumar
DOI: 10.1007/978-3-319-51394-2_3

Workshop papers & abstracts

2021 W13 **Nurse AMIE: Using Smart Speakers to Provide Supportive Care Intervention for Women with Metastatic Breast Cancer**
Ling Qiu, Bethany Kanski, Shawna Doerksen, Renate Winkels, Kathryn H.Schmitz, and Saeed Abdullah
Late-Breaking paper at the CHI Conference on Human Factors in Computing Systems
Acceptance rate: 39% • DOI: 10.1145/3411763.3451827

W12 **Using Tweets to Assess Mental Well-being of Essential Workers During the COVID-19 Pandemic**
Johnna Blair, Chi-Yang Hsu, Ling Qiu, Shih-Hong Huang, Ting-Hao (Kenneth) Huang, and Saeed Abdullah
Late-Breaking paper at the CHI Conference on Human Factors in Computing Systems
Acceptance rate: 39% • DOI: 10.1145/3411763.3451612

W11 **Context-Specific Usability Measures for Voice Assistants**
Sanjana Mendu, S. Shyam Sundar, and Saeed Abdullah
"Let's Talk About CUIs: Putting Conversational User Interface Design Into Practice" workshop at the CHI Conference on Human Factors in Computing Systems

2020 W10 **Opportunities for Collaborative Clinical Work: Predicting Relapse Onset in Bipolar Disorder from Online Behavior**
Johnna Blair, Erika F.H. Saunders, Dahlia Mukherjee, and Saeed Abdullah
Pervasive Health

DOI: 10.1145/3421937.3421947

W09 **WatchOver: using Apple watches to assess and predict substance co-use in young adults**
Sahiti Kunchay and Saeed Abdullah
Mental health: Sensing & Intervention (MHSI) workshop at UbiComp
DOI: 10.1145/3410530.3414373

2019 W08 **Investigating Users' Perceptions of Light Behaviors in Smart-Speakers**
Sahiti Kunchay, Shan Wang, and Saeed Abdullah
Conference on Computer Supported Cooperative Work & Social Computing (CSCW)
DOI: 10.1145/3311957.3359479

W07 **Can Alexa be your Therapist? How Back-Channeling Transforms Smart-Speakers to be Active Listeners**
Nasim Motalebi, Eugene Cho, S Shyam Sundar, and Saeed Abdullah
Conference on Computer Supported Cooperative Work & Social Computing (CSCW)
DOI: 10.1145/3311957.3359502

W06 **Understanding the Needs and Challenges of Using Conversational Agents for Deaf Older Adults**
Johnna Blair and Saeed Abdullah
Conference on Computer Supported Cooperative Work & Social Computing (CSCW)
DOI: 10.1145/3311957.3359487

2018 W05 **Conversational agents to provide couple therapy for patients with PTSD**
Nasim Motalebi and Saeed Abdullah
WellBeCoach: Smart Coaching Solutions for Health & Wellbeing workshop at Pervasive Health
DOI: 10.1145/3240925.3240933

W04 **Supporting Constructive Mental Health Discourse in Social Media**
Johnna Blair and Saeed Abdullah
Design4Diversity workshop at Pervasive Health
DOI: 10.1145/3240925.3240930

2016 W03 **Assessing mental health issues on college campuses: preliminary findings from a pilot study**
Vincent Wen-Sheng Tseng, Saeed Abdullah, Michael Merrill, Min Aung, Franziska Wittleder, and Tanzeem Choudhury
Mental health: Sensing & Intervention (MHSI) workshop at UbiComp
DOI: 10.1145/2968219.2968308

2015 W02 **Towards circadian computing: a sensing & intervention framework for body clock friendly technology**
Saeed Abdullah
Doctoral Colloquium at UbiComp
DOI: 10.1145/2800835.2801657

W01 **Biological rhythms and technology**
Mark Matthews, Erin Carroll, Saeed Abdullah, Jaime Snyder, Matthew Kay, Tanzeem Choudhury, Geri Gay, Julie Kientz
CHI Conference on Human Factors in Computing Systems
DOI: 10.1145/2559206.2559230

Posters & demos

2015 P10 **Automatic detection of social rhythms in bipolar disorder via smartphone**
Ellen Frank, Saeed Abdullah, Mark Matthews, and Tanzeem Choudhury
American College of Neuropsychopharmacology (ACNP)

P09 **Circadian Computing: Towards bodyclock friendly technology**
Saeed Abdullah
Human Computer Interaction Consortium Workshop (HCIC)

P08 **SAINT: a scalable sensing and inference toolkit**
Mashfiqui Rabbi, Thiago Caetano, Jean Costa, Saeed Abdullah, Mi Zhang, and Tanzeem Choudhury
Workshop on Mobile Computing Systems and Applications (ACM HotMobile)

2014 P07 **Towards circadian computing: "early to bed and early to rise" makes some of us unhealthy and sleep deprived**
Saeed Abdullah, Mark Matthews, Elizabeth L. Murnane, Geri Gay, and Tanzeem Choudhury
Intel Science and Technology Center for Pervasive Computing (ISTC-PC)

P06 **Circadian Computing: Towards bodyclock friendly technology**
Saeed Abdullah
Human Computer Interaction Consortium Workshop (HCIC)

2013 P05 **Developing a smartphone app to monitor mood, social rhythms, sleep and social activity: technology to support effective management of bipolar disorder**
Ellen Frank, Mark Matthews, Tanzeem Choudhury, Steve Voida, and Saeed Abdullah
American College of Neuropsychopharmacology (ACNP)

2013 P04 **Light, color, affect, and stress**
Jaime Snyder, Mark Matthews, Saeed Abdullah, Yohan Ko, and Geri Gay
Society for Social Studies of Science (4S)

P03 **MoodRhythm: Tracking and supporting daily rhythms**
Stephen Voida, Mark Matthews, Saeed Abdullah, Mengxi Chrissie Xi, Matthew Green, Won Jun Jang, Donald Hu, John Weinrich, Prashama Patil, Mashfiqui Rabbi, Tauhidur Rahman, Geri Gay, Ellen Frank, and Tanzeem Choudhury
Interactive demo at UbiComp

P02 **Clockwise: inferring chronotype and daily patterns from smartphone use**
Saeed Abdullah
Doctoral Colloquium at UbiComp

2012 P01 **Towards population scale activity recognition: a framework for handling data diversity**
Saeed Abdullah, Nicholas D. Lane, and Tanzeem Choudhury
Intel Science and Technology Center for Pervasive Computing (ISTC-PC)

Teaching

2021 **HCDD 340: Human-Centered Design for Mobile Computing**
College of Information Sciences and Technology, Penn State
Co-designed curriculum, developed syllabus, designed instruction material

2019 – **IST 331: Foundations of Human-Centered Design**
College of Information Sciences and Technology, Penn State
Developed syllabus, designed instruction material

2018 – 2019 **IST 525: Computer Supported Cooperative Work (CSCW)**
College of Information Sciences and Technology, Penn State
Developed syllabus, designed instruction material

2017 – 2018 **IST 597: Computational Health: Sensing and Intervention Design**
College of Information Sciences and Technology, Penn State
Developed syllabus, designed instruction material

2014 – 2016 **Info 4120/6120: Ubiquitous Computing**
Department of Information Science, Cornell University. Instructor: Tanzeem Choudhury

Delivered a guest lecture on Circadian Computing and led a lab session on mobile programming

Spring, 2012 **CS/Info 2300: Intermediate design and programming for the web**
Department of Information Science, Cornell University. Instructor: Carl Lagoze.
Led lab teaching sections and covered some lectures

Fall, 2012 **CS 4300: Information retrieval**
Department of Information Science, Cornell University. Instructor: Paul Ginsberg.
Tutored students and graded assignments

Spring, 2011 **CS 224: Algorithm design & analysis**
University of Vermont. Instructor: Byung Lee
Covered some lectures, tutored students, and marked assignments

Fall, 2010 **CS 32: Puzzles, games and algorithms**
University of Vermont. Instructor: Robert Snapp
Led lab sessions and marked assignments

CS 204: Database system
University of Vermont. Instructor: Byung Lee
Covered some lectures, tutored students, and marked assignments

Spring, 2010 **CS 222: Computer architecture**
University of Vermont. Instructor: Alan Ling
Tutored students and marked assignments

CS 195: Computer science for geo-spatial technologies
Instructor: Alison Pechenick
Developed and marked assignments

Fall, 2009 **CS 201: Operating systems**
University of Vermont. Instructor: Alan Ling
Covered some lectures, tutored students, and marked assignments

CS 243: Theory of computation
University of Vermont. Instructor: Alan Ling
Tutored students and marked assignments

Research Support

2019 – 2021 **CRII:SCH: Designing for Supportive Accountability: Using Conversational Agents to Sustain Patient Engagement in PTSD**
Principal Investigator
National Science Foundation ($174, 818)

2019 – 2021 **Nurse AMIE (Addressing Metastatic Individuals Everyday)**
Co-Investigator
American Institute for Cancer Research ($165,000)

2018 – 2021 **A Real-Time Mindfulness Intervention to Control Pain: Delivery Through a Conversational Agent**
Principal Investigator
Social Science Research Institute (SSRI), Penn State ($20, 000)

2018 – 2021 **Predicting Relapse Onset in Bipolar Disorder from Online Behavioral Data**
Principal Investigator
Institute for CyberScience (ICS), Penn State ($37, 500)

2019 – 2020 **Watch Over: Using Apple Watches to Assess and Predict Substance Co-use in Young Adults**
Principal Investigator
College of Information Sciences and Technology, Penn State($53, 260)

2018 – 2019 **Talking to Machines: Virtual Conversational Agents for Effective Treatment Delivery in PTSD**
Principal Investigator
College of Information Sciences and Technology, Penn State($56, 310)

AWARDS

2020 **Honorable Mention**
CHI Conference on Human Factors in Computing Systems
For the paper: "Will Deleting History Make Alexa More Trustworthy? Effects of Privacy and Content Customization on User Experience of Smart Speakers"

Distinguished Master's Thesis Award
Graduate School, Penn State
Awarded to Shan Wang (my advisee) for "excellence in master's level thesis research". Her thesis title is: "Effects of Prompt Humor Level on Behavioral Intention and Perceived Interruption: An Online Survey Study".

2019 **Junior Faculty Excellence Award in Research**
College of Information Sciences and Technology, Penn State
This award recognizes "innovative and outstanding research results, contributed to breakthrough and high impact research, or demonstrated the potential to solve challenging research problems".

2018 **Tronzo Medical Informatics Endowment**
College of Information Sciences and Technology, Penn State
The endowment supports research on issues and technologies related to medical informatics.

2016 – 2017 **Special recognition for outstanding reviews**
IMWUT (May 2017 round)
UbiComp 2016

2016 **Best Paper Award**
Conference on human-computer interaction with mobile devices and services (MobileHCI)
For the paper: Mobile manifestations of alertness: Connecting biological rhythms with patterns of smartphone app use.

Agile Research Grant
Robert Wood Johnson Foundation
Our project focusing on circadian rhythms and cognitive performance was selected as one of the five recipients in the Agile Research Project competition.

2013 **$100,000 Heritage Open mHealth Challenge winner**
Heritage Provider Network, Open mHealth, and the University of California, Los Angeles
Our MoodRhythm project focusing on bipolar disorder won the Heritage Open mHealth Challenge.

Invited talks

2020 **Designing for Supportive Accountability: Using Conversational Agents to Sustain Patient Engagement in Post-traumatic stress disorder (PTSD)**
Advancing Health through Science Smart and Connected Health (SCH) Principal Investigator Meeting, National Science Foundation

2019 **Computational Health: Using HCI & Data Science Methods to Improve Health and Wellbeing**

Dean's Advisory Board, College of Information Sciences and Technology

"Alexa, I am in Pain!": A Real-Time Mindfulness Intervention for Chronic Pain Management Using Conversational Agents
Prevention Research Center (PRC) Day, College of Health and Human Development, Penn State

2018 **Your phone usage reveals a lot about you: Inferring sleep and circadian disruptions from phone use patterns**
QuantDev Brownbag Series, College of Health and Human Development, Penn State

Talking to Machines: Conversational Agents for Mental Health Care
Colloquium at UT Austin iSchool

Talking to Machines: Conversational Agents for Mental Health Care
Grand Rounds Series, Department of Psychology at Penn State

2016 **Passive sensing of circadian rhythms for individualized models of cognitive performance**
Health Data Exploration Project Agile Grant Series

2015 **Cognitive rhythms: unobtrusive and continuous sensing of alertness using a mobile phone**
Intel Science & Technology Center for Pervasive Computing (ISTC-PC)

2014 **Supporting individuals with bipolar disorder to establish stable daily routines**
MIT & Cornell hacking-medicine hackathon

Professional experience

2012 – 2017 **Graduate Research Assistant**
Department of Information Science, Cornell University. Supervisor: Tanzeem Choudhury

Fall, 2015 **Research Intern**
Microsoft Research. Supervisor: Mary Czerwinski
Designed and developed novel system for improving creative ability

2011 – 2012 **Graduate Teaching Assistant**
Department of Information Science, Cornell University

2009 – 2011 **Graduate Teaching Assistant**
University of Vermont

2008 – 2009 **Software Developer**
AfriGIS Ltd
Developing search engine with special focus on geographic relevance

2008 **Software Developer**
Google Summer of Code
Enhancing a Just-In-Time (JIT) compiler for Java to provide instruction code selection and emission for array manipulation bytecodes

Service

Editorial Responsibilities

2017 – 2020 **Associate Editor**
Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)

2018 **Co-Editor**
Special Issue of JMIR on Computing and Mental Health

Conference & Workshop organizer

2021 **Scholarship co-chair**
Conference on Pervasive and Ubiquitous Computing (UbiComp)

2016 – **Workshop on "Mental health and well-being: Sensing and intervention"**
Conference on Pervasive and Ubiquitous Computing (UbiComp)

2019 **Publicity co-chair**
Conference on Pervasive and Ubiquitous Computing (UbiComp)

2014 **Workshop on "Biological rhythms and technology"**
CHI Conference on Human Factors in Computing Systems

Program committee member

2016 – **Workshop on "Mental health and well-being: Sensing and intervention"**
Conference on Pervasive and Ubiquitous Computing (UbiComp)

2017 – 2020 **Pervasive Health**
EAI International Conference on Pervasive Computing Technologies for Healthcare

2015 – 2018 **International Conference on Digital Health**

2017 **Workshop on "Tools and Algorithms for Mental Health and Wellbeing, Pain, and Distress (MHWPD)"**
Affective Computing and Intelligent Interaction (ACII)

Academic Services

2020 – **Academic Integrity Committee**
College of Information Sciences and Technology, Penn State

2019 – **Advisory Board Member**
Penn State SELF (Student Engagement, Learning, and Flourishing) project

2017 – **Governing Board Member**
Human Computer Interaction Consortium (HCIC)

2017 – **Faculty advisory committee focusing on IT support for research**
College of Information Sciences and Technology, Penn State

2018 – 2020 **Faculty Hiring Committee (HCD track)**
College of Information Sciences and Technology, Penn State

Graduate Recruiting Committee
College of Information Sciences and Technology, Penn State

2017 **Application Reviewer**
Schreyer Honors College, Penn State

Applicant Interviewer
Millennium Scholars program, Penn State

2015 **Student Volunteer**
Program committee meeting for Conference on Pervasive and Ubiquitous Computing (UbiComp)

2013 – 2015 **Student Representative**
Faculty hiring committee, Department of Information Science, Cornell University

2011 – 2013 **Colloquium Organizer**
Department of Information Science, Cornell University

2011 – 2012 **Computing facilities support**
Department of Information Science, Cornell University