

Susan Wyche, Ph.D.

Michigan State University
Department of Media and Information
East Lansing, Michigan 48824

Email: spwyche@msu.edu
Phone: 404.558.9821
Web: www.susanwyche.com

EDUCATION

Georgia Institute of Technology, School of Interactive Computing, Atlanta, GA
Ph.D. in Human-Centered Computing

Cornell University, Department of Design and Environmental Analysis, Ithaca, NY
M.S. in Applied Research in Human-Environment Relations

Carnegie Mellon University, School of Design, Pittsburgh, PA
B.F.A. in Industrial Design, minor in History

ACADEMIC POSITIONS

Michigan State University, Department of Media and Information, East Lansing, MI
Associate Professor, 2018-present
Assistant Professor, 2012-2018

Michigan State University

Consulting Faculty African Studies Center, 2012-present

Consulting Faculty Center for Gender in Global Context (GenCen), 2012-present

Michigan State University, Global Center for Food Systems Innovation (GCFSI)

Information Communication Technology and Development (ICTD) Co-Lead, 2012-2015

A development lab established through a five-year, \$25 million award from United States Agency for International Development (USAID) as a part of their Higher Education Solutions Network (HESN) program.

Virginia Tech, Department of Computer Science, Blacksburg, VA

NSF/CRA Computing Innovation Fellow (Postdoctoral Scholar), 2010-2012

LANGUAGE SKILLS

Kiswahili (intermediate)

HONORS

2022 John K. Hudzik Emerging Leader in Advancing International Studies and Programs Award, Michigan State University

2021 Best Paper Award, ACM SIGCAS Conference on Computing and Sustainable Societies (ACM COMPASS 2021)

2015 CAREER Award, National Science Foundation (NSF)

2015 Best Paper Honorable Mention, ACM SIGCHI Conf. on Ubiquitous Computing (UbiComp 2015)

2013 Best Paper Honorable Mention, ACM SIGCHI Conf. on Human Factors in Computing Systems (CHI'13)

2010 NSF via CRA "Computing Innovation Fellow"

2008 Georgia Product Development Management Association's Student Design Competition, First Prize for "Sun Dial"

2007 Google Anita Borg Scholarship Finalist

- 2006 Best Paper Honorable Mention, ACM SIGCHI Conf. on Computer Supported Cooperative Work (CSCW'06)
- 1997 School of Design Merit Award Winner, Carnegie Mellon University

FUNDING

External Grants

- 2024-2025* U.S. Department of State, “Advancing Global ICT Solutions: A Collaborative Human-Centered Design Initiative between Kenya and U.S. Students, **Susan Wyche (PI)**.
Budget \$154,130
**Project concluded early because the grant was terminated on February 26, 2025. The decision was part of a broader federal policy shift that abruptly canceled thousands of foreign aid grants and contracts due to a realignment of agency priorities.*
- 2023 National Science Foundation (NSF) Workshop 2023 Conference on Computer Supported Cooperative Work & Social Computing (CSCW), **Susan Wyche (PI)**. **Budget \$19,956**
- 2019-2022 National Institutes of Health (NIH) R21 Award, “Building Capacity in Human-Centered Design: Developing a Diabetes mHealth Application for and with Kenyan Adolescents,” **Susan Wyche (PI)**; Jennifer Olson (Co-I); Bree Holtz (Co-I); and Denise Hershey (Co-I).
Budget \$387,327

Renewal Funding, **Budget \$58,378**
- 2016-2022 National Science Foundation (NSF) CAREER Award, “Information and Communication Technology Use in Communities with Limited Technical Infrastructures,” **Susan Wyche (PI)**. **Budget \$582,613**
- 2014-2015 The United States Agency for International Development (USAID) Development Innovation Ventures (DIV), “Simu Shape Up”: Edutainment to Shape Up Cellphone use Among African Rural Farmers,” **Susan Wyche (PI)** and Charles Steinfield (Co-I).
Budget \$99,787
- 2010 National Science Foundation (NSF) via CRA (Computing Research Association), Steve Harrison (PI) (Postdoctoral Sponsor). **Budget \$270,500**

Corporate Gifts

- 2025 Mozilla Responsible Computing Challenge Award, Renewal Funding. **Susan Wyche (PI)**. **Budget \$49,000**
- 2023-2024 Mozilla Responsible Computing Challenge Award, **Susan Wyche (PI)** and Jonathan Choti (Co-I). **Budget \$150,000**
- 2022 Google *exploreCSR* Award, **Susan Wyche (PI)**. **Budget \$10,000**
- 2021 Google *exploreCSR* Award, **Susan Wyche (PI)**. **Budget \$15,000**
- 2013 Google Faculty Research Award, **Susan Wyche (PI)**. **Budget \$40,000**
Nokia’s University Cooperation Funding, **Susan Wyche (PI)**. **Budget \$9,309**
Facebook Inc., unrestricted gift, **Susan Wyche (PI)**. **Budget \$40,000**

- 2011 Skype Inc., unrestricted gift, **Susan Wyche (PI). Budget \$15,000**
- 2002 S.C. Johnson & Son, Inc., unrestricted gift, **Susan Wyche (PI). Budget \$50,000**

Internal Grants

- 2025 Michigan State University's African Studies Center Curriculum Development Grant. **Budget \$3,000**
- 2020 Michigan State University's Alliance for African Partnership (AAP) African Futures—Early Career Research Leadership Program. Program provides support for a Visiting Scholar (Dr. Miriam Charimbu, Egerton University) to come to MSU and collaborate on a one-year project. **Budget \$56,000**
- 2018 Michigan State University's Trifecta Initiative Facilitating Funds Award, "Addressing an Emerging Epidemic: Human-Centered Design Approaches to Developing Personalize mHealth Services to Support Diabetes Prevention and Management in Urban Kenya," Investigators: **Susan Wyche (PI)**; Jennifer Olson (Co-I); Bree Holtz (Co-I); and Denise Hershey (Co-I). **Budget \$5,000**
- 2017 Michigan State University's Alliance for African Partnership (AAP) Grant, "Addressing the Agricultural Labor Burden in Rural East Africa: A Human-Centered Design Approach," Investigators: Jennifer Olson (PI); **Susan Wyche** (Co-I); Ruth Oniang'o (Rural Outreach Africa) (Co-I); and Eric Tarkelson (Enda Tech) (Co-I). **Budget \$50,000.**
- 2010 Virginia Tech's Office of International Research, Education, and Development, **Susan Wyche (PI). Budget \$2,500**

PUBLICATIONS

Peer-Reviewed Journal Articles

- Chepkorir, J., Perrin, N., Kivuti-Bitok, L., Gallo, J.J., Gross, D., Anderson, J., Reynolds, N.R., **Wyche, S.**, Kibet, H., Kipkuri, V., Cherotich, A., and Han, H-R. (2025). "Barriers and Opportunities for HPV Self-Sampling in Underserved Rural Communities: Insights from a Mixed Methods Study." *International Journal of Environmental Research and Public Health*, 22(5), 783.
- Wyche, S.**, Olson, J., Karanu, M., Omondi, E., and Olonyo, M. (2024). "Limitations of Using Mobile Phones for Managing Type 1 Diabetes (T1D) Among Youth in Low and Middle-Income Countries: Implications for mHealth." *In Proceedings of the ACM on Human-Computer Interaction (PACM HCI: CSCW '24)*.
- Chepkorir, J., Guillaume, D., Lee, J., Duroseau, B., Xia, Z., **Wyche, S.**, Anderson, J., and Han, H-R. (2024). "The Role of Health Information Sources on Cervical Cancer Literacy, Knowledge, Attitudes and Screening Practices in Sub-Saharan African Women: A Systematic Review." *International Journal of Environmental Research and Public Health*, 21(7).
- Wyche, S.** (2022). "Reimagining the Mobile Phone: Investigating Speculative Approaches to Design in Human-Computer Interaction for Development (HCI4D)." *In Proceedings of the ACM on Human-Computer Interaction (PACM HCI: CSCW '22)*.
- Wyche, S.** (2020). "Using Cultural Probes in HCI4D/ICTD: A Design Case Study from Bungoma, Kenya." *In Proceedings of the ACM on Human-Computer Interaction (PACM HCI: CSCW '20)*.

- Wyche, S.**, Greenwood, A., and Geyer, B.S. (2020). "Exploring Photography in Rural Kenyan Households: Considering "Relational Objects" in CSCW and HCI." *In Proceedings of the ACM on Human-Computer Interaction (PACM HCI: CSCW '20)*.
- Hardy, J., **Wyche, S.**, and Veinot, T. (2019). "Rural HCI Research: Definitions, distinctions, methods, and opportunities." *In Proceedings of the ACM on Human-Computer Interaction (PACM HCI: CSCW'19)*.
- Wyche, S.**, Olson, J., and Karanu, M. (2019). "Redesigning agricultural hand-tools in Western Kenya: Considering human-centered design in ICTD." *Information Technologies & International Development (ITID)*, 15(16).
- Wyche, S.**, Simiyu, N., and Othieno, M.E. (2019). "Understanding Women's Mobile Phone Use in Rural Kenya: An Affordance-Based Approach," *Mobile Media & Communication*. 7(1), 94-110.
- Wyche, S.** and Olson, J. (2018). "Kenyan Women's Rural Realities, Mobile Internet Access, and "Africa Rising," *Information Technologies & International Development (ITID)*, 14(15).
- Wyche, S.** and Baumer, E.P.S. (2017). "Imagined Facebook: An Exploratory Study of Non-Users' Perceptions of Social Media in Rural Zambia." *New Media & Society*, 19(7), 1092-1108.
- Wyche, S.** (2017). "Exploring Women's Everyday Mobile Phone Experiences in Nairobi, Kenya," *Interacting with Computers*, 29(3), 391-402.
- Wyche, S.**, Simiyu, N., and Othieno, M.E. (2016). "Mobile Phones as Amplifiers of Social Inequality among Rural Kenyan Women," *ACM Transactions on Computer-Human Interaction (TOCHI)*. 23(3): Article no. 14.
- Wyche, S.** and Steinfield, C. (2016). "Why Don't Farmers Use Cell Phones to Access Market Prices? Technology Affordances and Barriers to Market Information Services Adoption in Rural Kenya." *Information Technology for Development*. 22(2), 320-333.
- Grinter, R.E., **Wyche, S.P.**, Hayes, G.R., and Harvel, L.D. (2011). "Technology in Protestant Ministry." *Journal of Computer Supported Cooperative Work (JCSCW)*. Vol. 20(6), 449-472.
- Sengers, P., Kaye, J., Boehner, K., Fairbanks, J., Gay, G., Medynskiy, E., and **Wyche, S.** (2004). "Culturally Embedded Computing." *IEEE Pervasive Computing, Special Issue on Art, Design, and Entertainment*. Vol. 3(1), 14-22.

Peer-Reviewed Conference Publications

- Wyche, S.**, and Diawara, O. (*to appear*). "New Strategies for Integrating African Perspectives into Human-Computer Interaction and Information and Communication Technology and Development Curricula." *In Proc. EduCHI 2025: 7th Annual Symposium on HCI Education (EduCHI'25)*, Bloomington, Indiana.
- Wyche, S.**, Olson, J., Karanu, M., Mathu, L., and Omondi, E. (2024). "Beyond Digital Interventions: Human-Centered Design for Adolescents' Type 1 Diabetes Management in LMICs." *Proc. ACM Conference on Information and Communication Technologies and Development (ICTD 2024)*, Nairobi, Kenya (Acceptance Rate: 25%).

- Wyche, S.** (2021). “The Benefits of Using Design Workbooks with Speculative Design Proposals in Information Communication Technology for Development (ICTD).” *ACM Conference on Designing Interactive Systems (DIS 2021)*, Virtual event (Acceptance Rate: 24.5%).
- Chidzwisano, G. H., Mariakakis, A., **Wyche, S.**, Mafeni, B., and Banda, E.G. (2021). “NkhukuProbe: Using a Sensor-Based Technology Probe to Support Poultry Farming Activities in Malawi.” *ACM SIGCAS Conference on Computing and Sustainable Societies (COMPASS 2021)*, Virtual event (Acceptance Rate: 27%) (Awarded Best Paper).
- Chidzwisano, G.H., **Wyche, S.**, and Oduor, E. (2020). “GridAlert: Using a Sensor-Based Technology to Monitor Power Blackouts in Kenyan Homes.” *Proc. ACM Conference on Human Factors in Computing Systems (CHI 2020)*, Honolulu, Hawaii (Acceptance Rate: 24%).
- Chidzwisano, G.H., Kisyula, R., and **Wyche, S.** (2020). “SmartChama: Designing Collaborative Digital Financial Systems for Chama Groups in Kenya.” *Proc. ACM Conference on Information and Communication Technologies and Development (ICTD 2020)*, Guayaquil, Ecuador (Acceptance Rate: 50%).
- Wyche, S.**, Chidzwisano, G., Uwimbabazi, F., and Simiyu, N. (2018). “Defamiliarizing the Domestic: Exploring M-Kopa Solar Use and Sustainable Practices in Rural Kenyan Households.” *Proc. First ACM Conference on Computing & Sustainable Societies (COMPASS 2018)*, Menlo Park, CA, Pgs. 35-46 (Acceptance Rate: 28%).
- Chidzwisano, G.H., and **Wyche, S.** (2018). “M-Kulinda: Using a Sensor-Based Technology Probe to Explore Domestic Security in Rural Kenya.” *Proc. ACM Conference on Human Factors in Computing Systems (CHI 2018)*, Montreal, Canada, Paper No. 10 (Acceptance Rate: 26%).
- Wyche, S.**, Steinfield, C., Cai, T., Simiyu, N., and Othieno, M.E. (2016). “Reflecting on Video: Exploring the Efficacy of Video for Teaching Device Literacy in Rural Kenya.” *Proc. ACM Conference on Information and Communication Technologies and Development (ICTD 2016)*, Ann Arbor, MI (Acceptance Rate: 27%).
- Wyche, S.**, Dillahunt, T.R., Simiyu, N., and Alaka, S. (2015). “‘If God Gives Me the Chance I will Design My Own Phone’: Exploring Mobile Phone Repair and Postcolonial Approaches to Design in Rural Kenya.” *Proc. of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2015)*, Osaka, Japan, Pgs. 463-473 (Acceptance Rate: 25%) (Awarded Best Paper Honorable Mention, Nomination Rate: 5%).
- Wyche, S.** (2015). “Exploring Mobile Phone and Social Media Use in a Nairobi Slum: A Case for Alternative Approaches to Design in ICTD.” *Proc. ACM Conference on Information and Communication Technologies and Development (ICTD 2015)*, Singapore, Article No. 12 (Acceptance Rate: 21%).
- Wyche, S.P.**, Densmore, M., and Geyer, B.S. (2015). “Real Mobiles: Kenyan and Zambian Smallholder Farmers' Contemporary Attitudes Towards Mobile Phones.” *Proc. ACM Conference on Information and Communication Technologies and Development (ICTD 2015)*, Singapore, Article No. 9. (Acceptance Rate: 21%).
- Steinfield, C., **Wyche, S.P.**, Cai, T., and Chiwasa, H.R. (2015). “The Mobile Divide Revisited: Mobile

- Phone Use by Smallholder Farmers in Malawi.” *Proc. ACM Conference on Information and Communication Technologies and Development (ICTD 2015)*, Singapore. (Acceptance Rate: 21%).
- Wyche, S.P.**, Forte, A., and Schoenebeck, S.Y. (2013). “Hustling Online: Understanding Consolidated Facebook Use in an Informal Settlement in Nairobi.” *Proc. ACM SIGCHI Conf. on Human Factors in Computing Systems (CHI 2013)*, Paris, France, Pgs. 2823–2832. (Acceptance Rate: 20%) (Awarded Best Paper Honorable Mention, Nomination Rate: 5%).
- Wyche, S.P.**, and Chetty, M. (2013). “I want to imagine how that place looks: Designing to Support Connectivity Between African Migrants and Home.” *Proc. ACM SIGCHI Conf. on Human Factors in Computing Systems (CHI 2013)*, Paris, France, Pgs. 2755–2764. (Acceptance Rate: 20%).
- Wyche, S.P.**, and Murphy, L.L. (2013). “Powering the Cellphone Revolution: Findings from Mobile Phone Charging Trials in Off-Grid Kenya.” *Proc. ACM SIGCHI Conf. on Human Factors in Computing Systems (CHI 2013)*, Paris, France, Pgs. 1959–1968. (Acceptance Rate: 20%).
- Wyche, S.P.**, Schoenebeck, S.Y., and Forte, A. (2013). “Facebook is a Luxury’: An Exploratory Study of Social Media Use in Rural Kenya.” *Proc. ACM SIGCHI Conf. on Computer Supported Cooperative Work (CSCW 2013)*, San Antonio, TX, Pgs. 33–44. (Acceptance Rate: 37%).
- Wyche, S.P.**, and Murphy, L.L. (2012). “Dead China-Make’ Phones Off the Grid: Investigating Mobile Phone Use in Rural Africa.” *Proc. ACM SIGCHI Conf. on Designing Interactive Systems (DIS 2012)*, Newcastle, UK, Pgs. 186–195. (Acceptance Rate: 19%).
- Wyche, S.P.**, and Grinter, R.E. (2012). “Using Sketching to Support Design Research in New Ways: A Case Study Investigating Design and Charismatic Pentecostalism in São Paulo, Brazil.” *Proc. iConference 2012*, Toronto, Canada, Pgs. 63–71. (Acceptance Rate: 32%).
- Wyche, S.P.**, and Grinter, R.E. (2012). “This is How We Do it in My Country: A Study of Computer-Mediated Family Communication among Kenyan Migrants in the United States.” *Proc. ACM SIGCHI Conf. on Computer Supported Cooperative Work (CSCW 2012)*, Seattle, WA, Pgs. 87–96. (Acceptance Rate: 40%).
- Wyche, S.P.**, Smyth, T.N., Chetty, M., Aoki, P.M., and Grinter, R.E. (2010). “Deliberate Interactions: Characterizing Technology Use in Nairobi, Kenya.” *Proc. ACM SIGCHI Conf. on Human Factors in Computing Systems (CHI 2010)*, Atlanta, GA, Pgs. 2593–2602. (Acceptance Rate: 22%).
- Wyche, S.P.**, Magnus, C.M., and Grinter, R.E. (2009). “Broadening UbiComp’s Vision: An Exploratory Study of Charismatic Pentecostals and Technology Use in Brazil.” *Proc. of the 11th International Conference on Ubiquitous Computing (UbiComp 2009)*, Orlando, FL, Pgs. 145–154. (Acceptance Rate: 12.5%).
- Wyche, S.P.**, and Grinter, R.E. (2009). “Extraordinary Computing: Using Religion as a Lens for Reconsidering the Home.” *Proc. ACM SIGCHI Conf. on Human Factors in Computing Systems (CHI 2009)*, Boston, MA, Pgs. 749–758. (Acceptance Rate: 25%).
- Wyche, S.P.**, Caine, K.E., Davison, B.K., Patel, S.N., Arteaga, M., and Grinter, R.E. (2009). “Sacred Imagery in Techno-Spiritual Design.” *Proc. ACM SIGCHI Conf. on Human Factors in Computing Systems (CHI 2009)*, Boston, MA, (CHI Note), Pgs. 55–58. (Acceptance Rate: 25%).

Le Dantec, C.A., Poole, E.S., and **Wyche, S.P.** (2009). “Values as Lived Experience: Evolving Value Sensitive Design in Support of Value Discovery.” *Proc. ACM SIGCHI Conf. on Human Factors in Computing Systems (CHI 2009)*, Boston, MA, Pgs. 1141–1150. (Acceptance Rate: 25%).

Taylor, A., **Wyche, S.P.**, and Kaye, J.J. (2008). “Pottering by Design.” *Proc. of the 5th ACM SIGCHI Nordic Conference Human-Computer Interaction: Building Bridges (NordiCHI 2008)*, Lund, Sweden, Pgs. 363–372. (Acceptance Rate: 33%).

Wyche, S.P., Aoki, P.M., and Grinter, R.E. (2008). “Re-Placing Faith: Reconsidering the Secular-Religious Use Divide in the United States and Kenya.” *Proc. ACM SIGCHI Conf. on Human Factors in Computing Systems (CHI 2008)*, Florence, Italy, Pgs. 11–20. (Acceptance Rate: 24%).

Wyche, S., Hayes, G., Harvel, L., and Grinter, R.E. (2006). “Technology in Spiritual Formation: An Exploratory Study of Computer Mediated Religious Communications.” *Proc. ACM SIGCHI Conf. on Computer Supported Cooperative Work (CSCW 2006)*, Banff, Canada, Pgs. 199–208. (Acceptance Rate: 22%) (Awarded Best Paper Honorable Mention, Nomination Rate: 5%).

Wyche, S., Sengers, P., and Grinter, R.E. (2006). “Historical Analysis: Using the Past to Design the Future.” *Proc. of the 8th International Conference on Ubiquitous Computing (UbiComp 2006)*, Orange County, CA, Pgs. 35–51. (Acceptance Rate: 19%).

Peer-Reviewed Interactive Posters and Works in Progress

Diawara, O., and **Wyche, S.** (2025). “Innovative approaches to Information Communication Technology and Development (ICTD) course design.” Poster, *ACM Technical Symposium on Computer Science Education (SIGCSE TS 2025)*, Pittsburgh, PA.

Wyche, S. (2019). “Using cultural probes in new contexts: Exploring the benefits of probes in HCI4D/ICTD.” Extended Abstracts, *ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2019)*, Austin, TX, Pgs. 423–427.

Holeman, I., Blake, E., Densmore, M., Ssozi, F., Goodman, E., Medhi Thies, I., and **Wyche, S.** (2017). “Co-Design Across Borders Special Interest Group.” Extended Abstracts, *ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2017)*, Denver, CO, Pgs. 1318–1321.

Cai, T., Chiwasa, H., Steinfield, C., and **Wyche, S.** (2015). “Participatory videos for nutrition training in Malawi: An analysis of knowledge gain and adoption.” Note, *Proceedings of the International Conference on Information and Communication Technologies and Development (ICTD 2015)*, Singapore, Article No. 29.

Wyche, S.P., Magnus, C.M., and Grinter, R.E. (2009). “Designer’s sketchbook: Developing technologies to support Brazilian Pentecostals’ religious practices.” Artifact, *Proceedings of the Ethnographic Praxis in Industry Conference (EPIC 2009)*, Chicago, IL, Pg. 328.

Wyche, S.P. (2009). “Investigating techno-spiritual practices among culturally different religious groups.” Doctoral Consortium, Extended Abstracts, *11th International Conference on Ubiquitous Computing (UbiComp 2009)*, Orlando, FL.

Wyche, S.P. (2008). “Investigating design for global techno-spiritual practices.” Doctoral Consortium, Extended Abstracts, *ACM SIGCHI Conference on Computer Supported Cooperative Work (CSCW 2008)*, San Diego, CA.

Wyche, S.P., Caine, K.E., Davison, B., Arteaga, M., and Grinter, R.E. (2008). “Sun Dial: Exploring

techno-spiritual design through a mobile Islamic call to prayer application.” Work-in-Progress, Extended Abstracts, *ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2008)*, Florence, Italy, Pgs. 3411–3416.

Wyche, S.P., Medynskiy, E., and Grinter, R.E. (2007). “Exploring large displays in American megachurches.” Work-in-Progress, Extended Abstracts, *ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2007)*, San Jose, CA, Pgs. 2771–2776.

Wyche, S.P., Taylor, A., and Kaye, J. (2007). “Pottering: A design-oriented investigation.” Experience Report, Extended Abstracts, *ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2007)*, San Jose, CA, Pgs. 1893–1898.

Wyche, S. (2005). “Designing speculative cleaning products for older adults.” Poster, *ACM Conference on Designing for User eXperience (DUX 2005)*, San Francisco, CA, Article No. 49.

Peer-Reviewed Position Papers

Wyche, S. (2019). “Reflection on the role of history in design.” Workshop on Fostering Historical Research in CSCW & HCI, *ACM SIGCHI Conference on Computer Supported Cooperative Work (CSCW 2019)*, Austin, TX.

Wyche, S. (2017). “Lessons from the field: Using design methods in rural Kenya.” Workshop on Reflection of Design Methods for Underserved Communities, *ACM SIGCHI Conference on Computer Supported Cooperative Work (CSCW 2017)*, Portland, OR.

Wyche, S.P. (2009). “Design charrettes as a resource: A case study with students at the University of Nairobi.” Workshop on GlobiComp: Taking UbiComp Beyond the Developed World, *11th International Conference on Ubiquitous Computing (UbiComp 2009)*, Orlando, FL.

Wyche, S., Harvel, L., and Grinter, R.E. (2006). “Entertaining spirituality.” Workshop on Entertaining Media at Home: Looking at the Social Aspects, *ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2006)*, Montreal, Quebec, Canada.

Dow, S., and **Wyche, S.** (2005). “Designing for place in urban cemeteries.” Workshop on Engaging the City: Public Interfaces as Civic Intermediary, *ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2005)*, Portland, OR.

Wyche, S. (2003). “The elderly and domestic cleaning technology: Looking towards the past to shape the future.” Workshop on Designing Culturally Situated Technologies for the Home, *ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2003)*, Ft. Lauderdale, FL.

Peer-Reviewed Abstracts

Wyche, S. Olson, J., and Karanu, M. (2018). “Human-Centered Approaches to Redesigning Small Holder Farmers’ Agricultural Tools: Insights into Sustainable Development from Rural Kenya,” *Sustainability and Development Conference*, Ann Arbor, MI. (Acceptance Rate: ~30%).

Olson, J., **Wyche, S.** and Karanu, M. (2018). “Testing the Human-Centered Design Approach to Reduce the Labor Burden among Farmers in Kenya: Participatory Development Redux?,” *Sustainability and Development Conference*, Ann Arbor, MI. (Acceptance Rate: 30%).

Guest Editor

Wyche, S. ICTD 2016| From the Guest Editor—Selected Papers from ICTD2016. *Information Technologies & International Development*, 13(2).

Workshop Organization

- Hardy, J., Dailey, D., **Wyche, S.**, and Su, N.M. (2018). “Rural computing: Beyond access and infrastructure.” Extended Abstracts, *ACM SIGCHI Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2018)*, Jersey City, NJ, Pgs. 463–470.
- Kumar, N., Dray, S., Dearden, A., Dell, N., Densmore, M., Grinter, R., Liu, Z., Moreno-Rocha, M., Peters, A., Sari, E., Thies, W., Medhi-Thies, I., Tucker, W., Bahamondez, E., and **Wyche, S.** (2016). “Development Consortium: HCI4D across borders.” Extended Abstracts, *ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2016)*, San Jose, CA, Pgs. 3620–3627.
- Srinivasan, J., Oreglia, E., and **Wyche, S.** (2015). “Thinking about market information systems: Bridging theory and practice.” Open Session, *International Conference on Information and Communication Technologies and Development (ICTD 2015)*, Singapore.
- Steinfeld, C., and **Wyche, S.P.** (2013). “ICT4Ag: Opportunities and challenges for using technology to reach rural farmers in the developing world.” Open Session, *International Conference on Information and Communication Technologies and Development (ICTD 2013)*, Cape Town, South Africa.
- Wyche, S.P., Oreglia, E., Ames, M.G., Hoadley, C., Johri, A., Sengers, P., and Steinfield, C. (2012). “Learning from marginalized users: Reciprocity in HCI4D.” Extended Abstracts, *ACM SIGCHI Conference on Computer Supported Cooperative Work (CSCW 2012)*, Seattle, WA, Pgs. 27–28.
- Brewer, J., Kaye, J., Williams, A., and Wyche, S. (2006). “Sexual interactions: Why we should talk about sex in HCI.” Extended Abstracts, *ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2006)*, Montreal, Quebec, Canada, Pgs. 1695–1698.

Invited Panels

- Liverpool-Tasie, S., Crawford, E., Bennett, A., Burke, W., Chukuka Tasie, O., and **Wyche, S.** (2025). “**MSU’s Involvement Around Food Security in Africa.**” Panel, *Michigan State University’s Eye on Africa Series*, East Lansing, MI, January, 30, 2025.
- Wyche, S.**, Kimurto, P., and Mbogho, C. (2024). “Re-imagining Information Communication Technology and Development (ICTD).” Open Session, *International Conference on Information and Communication Technologies and Development (ICTD 2024)*, Nairobi, Kenya, December 9, 2024.
- Nkundineza, D., Mthoko, H., Toyama, K., **Wyche, S.**, Brown, T., and Cannanure, V.K. (2024). “HCI across borders and aspirations.” Open Session, *International Conference on Information and Communication Technologies and Development (ICTD 2024)*, Nairobi, Kenya. December 10, 2024.
- Donner, J., Larsson, C. W., Ling, R., Toyama, K., and Wyche, S. (2016). “After access: Inclusion, development and a more mobile internet.” Panel, *International Conference on Information and Communication Technologies and Development (ICTD 2016)*, Ann Arbor, MI.
- Ntarangwi, M., Weatherspoon, L., Wyche, S., Me-Scope, N., and Wambua, P. (2016). “Africa's youth, meeting global challenges of the future.” Panel, *Michigan State University’s Eye on Africa Series*, East Lansing, MI, February 4, 2016.
- Wyche, S.P., Lampe, C., Rangaswamy, N., Peters, A., Monroy-Hernández, A., and Antin, J. (2014). “Facebook in the developing world: The myths and realities underlying a socially networked world.” Extended Abstracts, *ACM SIGCHI Conference on Computer Supported Cooperative Work (CSCW 2014)*, Baltimore, MD, Pgs. 121–124.

schraefel, m.c., Kellogg, W., Ackerman, M., Marsden, G., Bødker, S., Wyche, S.P., Reddy, M., and Rouncefield, M. (2012). “Domain crossing: How much expertise is enough?” Extended Abstracts, *ACM SIGCHI Conference on Computer Supported Cooperative Work (CSCW 2012)*, Seattle, WA, Pgs. 29–32.

Books

Wyche, Susan, Olson, Jennifer, Omondi, Eric, Karekezi, Catherine and Ngugi, Nancy. (2023). *My Journal to Better Health: Type 1 Diabetes (T1D) for Kenya Youth*. East Lansing, Michigan, USA (self-published).

Theses

Wyche, S.P. (2010). *Investigating Religion and Computing: A Case for Using Standpoint Theory in Technology Evaluation Studies*, Dissertation, Georgia Institute of Technology, Atlanta, GA.

Wyche, S. (2004). *Designing Speculative Cleaning Products: Using Elders’ Past and Present Cleaning Experiences to Inform Design*, Master’s thesis, Cornell University, Ithaca, NY.

White Paper

Steinfeld, C. and **Wyche, S.P.** (2013). *Information and Communication Technology for Development*, White Paper Series, Global Center for Food Systems Innovation, Michigan State University, East Lansing, MI.

Magazine Articles (non-peer reviewed)

Wyche, S. (2019). “Considering cultural probes in HCI4D/ICTD research.” *ACM Interactions*, 27(1), 80–83. (December).

Hardy, J., Phelan, C., Vigil-Hayes, M., Su, N., **Wyche, S.**, and Sengers, P. (2019). “Designing from the rural.” *ACM Interactions*, 26(4), 37–41. (July/August).

Wyche, S.P. (2011). “Designing for everyday interactions in HCI4D.” *ACM Interactions*, 18(2), 52–56. (March/April).

Wyche, S. (2008). “Designing in the wild.” *Ambidextrous: The Stanford University Journal of Design*.

Wyche, S. (2006). “Inspiring ways to design and clean.” *Ambidextrous: The Stanford University Journal of Design*.

SOFTWARE ARTIFACT

iPhone Application, Sun Dial, Islam Tech, LLC., Released December 22, 2019

INVITED TALKS

“Broadening Human-Centered Design: Developing and Implementing an African-Informed Approach to Global Technology Development,” Prairie View A&M University's Ruth J. Simmons Center for Race in Justice, Prairie View, TX, March 4, 2025.

“Human-Centered Approaches to Innovative Solutions: Designing Interventions for and with Kenyan Youth with Type 1 Diabetes (T1D).” Egerton University’s 15th International Conference, March 20, 2025 (Virtual Keynote Presentation).

“Designing mHealth Interventions for Kenyan Youth with Type 1 Diabetes (T1D).” mHealth Network Meeting, National Institutes of Health, Fogarty International Center, Bethesda, MD, October 25, 2023 (available online: <https://mregs.nih.gov/FIC/1EDF-B535>).

“Considering Speculative Design in Global Digital Development.” Global Digital Development Forum, Lightning Talk, April 27, 2023 (Virtual Presentation).

“Reimagining Human-Centered Design: Considering Reflexivity, Speculation and Long-term Engagement in ICTD.” Northeastern University, Hourly College of Computing, Boston, MA, April 5, 2023.

“Considering Non-Digital Technologies in Rural Computing.” Michigan State University, Rural Computing Research Symposium, East Lansing, MI, March 31, 2023.

“Reimagining Human-Centered Design: Considering Reflexivity, Speculation and Long-term Engagement in ICTD.” University of Washington CHANGE Seminar, January 31, 2023 (Virtual Presentation) (available online: <https://change.washington.edu/talk/reimagining-human-centered-design-considering-reflexivity-speculation-and-long-term-engagement-in-ictd/>).

“Reimagining Human-Centered Design: Considering Reflexivity, Speculation and Long-term Engagement in ICTD.” Department of Human Centered Design, Cornell University, Ithaca, NY, December 1, 2022.

“Irrational Design: Considering Reflexivity, Speculation and Long-term Engagement in Human Computer Interaction for Development (HCI4D).” Microsoft Africa Research Institute (MARI) Seminar, Nairobi, Kenya, September 15, 2022.

“Designing Solutions to their Own Problems: Teaching Human-Centered Design to Kenyan Computer Science Students.” USAID’s Higher Education Global Evidence Summit, May 3, 2022 (Virtual Presentation).

“Irrational Design: Considering Reflexivity, Speculation and Long-term Engagement in Human-Computer Interaction for Development (HCI4D).” Department of Information Sciences and Technology, George Mason University, March 15, 2022 (Virtual Presentation).

“Considering Non-Digital Technologies in ICTD.” (Co-presented with Dr. Miriam Charimbu, Egerton University) Invited Presentation at ICTforAg Conference, March 10, 2022 (Virtual Presentation).

“Considering Human-Centered Design in Development Research.” Egerton University, Njoro, Kenya, February 28, 2022

“Irrational Design: Considering Reflexivity, Speculation and Long-term Engagement in Human-Computer Interaction for Development (HCI4D).” Department of Computer Science, George Mason University, February 17, 2022 (Virtual Presentation).

“Reconsidering Human-Centered Approaches to Design in Human-Computer Interaction and Development (HCI4D): Using Design Methods to Reimagine Technology in Rural Kenya,” Human-Computer Interaction Institute, HCII Seminar, Carnegie Mellon University, September 17, 2021 (Virtual Presentation).

“Rethinking Design for Marginalized Communities: Using Design Methods in ICTD Research,” College of Information Sciences and Technology, The Pennsylvania State University, March 11, 2021 (Virtual Presentation).

“Rethinking Design in HCI4D/ICTD,” Computational Media Seminar, Jack Baskin School of Engineering, U.C. Santa Cruz, December 7, 2020 (Virtual Presentation).

“Using Cultural Probes in HCI4D/ICTD: A Design Case Study from Bungoma, Kenya,” Michigan Interactive and Social Computing (MISC) Speaker Series, University of Michigan, November 19, 2020 (Virtual Presentation).

“Redesigning Agricultural Hand Tools in Western Kenya: Considering Human-Centered Design in Development Research,” Michigan Interactive and Social Computing (MISC) Speaker Series, University of Michigan, March 30, 2020 (cancelled due to COVID-19).

“Redesigning Agricultural Hand Tools in Western Kenya: Considering Human-Centered Design in Development Research,” (Co-presented with Dr. Jennifer Olson) “Eye on Africa” Speaker Series, Michigan State University, February 6, 2020.

“Exploring Mobile Phones and Alternative Approaches to Design in Rural Kenya,” Department of Information Systems, University of Maryland, Baltimore County (UMBC), February 13, 2019.

“Exploring Mobile Phones and Alternative Approaches to Design in Rural Kenya,” Department of Informatics Seminar, U.C. Irvine, January 12, 2018.

“Exploring Mobile Phones and Alternative Approaches to Design in Rural Kenya,” Technology and Social Behavior Speaker Series, Northwestern University, October 19, 2017.

“Exploring Mobile Phones and Alternative Approaches to Design in Rural Kenya,” School of Informatics and Computing, Indiana University, April 14, 2017.

“Exploring Mobile Phones and Alternative Approaches to Design in Rural Kenya,” GVU Center, Georgia Tech, October 6, 2016.

“Exploring Mobile Phones and Alternative Approaches to Design in Rural Kenya,” School of Computing and Information Technology, Jomo Kenyatta University of Agriculture and Technology, June 9, 2016.

“Exploring Mobile Phones and Alternative Approaches to Design in Rural Kenya,” ATLAS Institute, University of Colorado, Boulder, February 24, 2016.

“‘If God Gives Me the Chance, I will Design My Own Phone’: Rural Kenyan Repairers and Reimagining Mobile Phone Design, Wesleyan University, Africanizing Technology Workshop, March 6, 2015.

“Understanding Barriers to Mobile Phone Use in Rural Africa,” Cornell University, International Institute for Food, Agriculture and Development (CIIFAD) seminar on October 1, 2014.

“‘Facebook is a Luxury’: No Electricity, High Costs and other Barriers to Social Media Adoption in Rural Kenya,” Symposium on Internet Adoption in the Developing World: Expert Forum; Facebook Inc., Menlo Park, CA, September 8, 2014.

“Human-Centered Technology Design,” USAID’s State of the Science Conference presented by the Development Impact Lab, “Revealing Demand for Pro-Poor Innovations,” Georgetown University, Washington, DC, March 7, 2014.

“Facebook is a Luxury: No Electricity, High Costs and other Barriers to Social Media Adoption in Rural Kenya,” University of Michigan, School of Information, Ann Arbor, MI, October 8, 2013.

“Facebook is a Luxury: Discussing High Costs and other Barriers to Social Media Adoption in Rural Kenya,” University of North Carolina, School of Information and Library Science, Chapel Hill, NC, September 27, 2013.

“Social Media Use in Rural and Urban Kenya,” Michigan State University’s Eye on Africa Speaker’s Series, East Lansing, MI, February 14, 2013.

“Designing for Emerging Markets,” Skype Ltd., London, U.K., April 23, 2012.

Computing at the Margins: Exploring and Designing for Underserved Users,” presented at Michigan State University Science and Technology Communications Short Course, East Lansing, MI (August 16, 2012); Department of Science and Technology in Society, Virginia Tech, Blacksburg, VA (February 17, 2012); Department of Telecommunication, Information Studies, and Media, Michigan State University, East Lansing, MI (January 31, 2012); Center for Human-Computer Interaction (CHCI) Seminar, Virginia Tech, Blacksburg, VA (January 27, 2012); and Brown Bag Session, Syracuse University, School of Information Studies, Syracuse, NY (January 17, 2012).

“Investigating How Religious Uses of Computing Challenges Visions of Technology’s Futures,” Conference on Using Technology in Worship and Teaching, Union Presbyterian Seminary, Richmond, VA, October 18, 2011.

“Design 101,” Research @ *iHub Workshop, *iHub, Nairobi, Kenya, June 22, 2011.

“Transnational Design: Exploring the Local and the Global in HCI,” presented at Institute of Computer Science and Information Technology, Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya (June 14, 2011); Berkeley Institute of Design (BiD) Seminar, University of California, Berkeley, CA (March 9, 2011); and Seminar on People, Computer and Design, Stanford University, Palo Alto, CA (March 4, 2011).

“Design for the Developing World,” Interaction Design Association (IxDA) Conference (Interaction ‘11), Boulder, CO, February 10, 2010.

“Investigating How Religious Uses of Computing Challenges Visions of Technology’s Futures,” Workshop on Exploring Social Networking Media for Your Congregation, Columbia Theological Seminary, Decatur, GA, July 7, 2010.

“Extraordinary Computing: Investigating Religion, ICT Use and Design,” presented at Human Factors and Ergonomics Society, Virginia Tech, Blacksburg, VA (October 1, 2010); Human-Computer Interaction Institute, Carnegie Mellon University, Pittsburgh, PA (March 15, 2010); Microsoft Research New England, Cambridge, MA (February 18, 2010); School of Information, University of Michigan, Ann Arbor, MI (January 27, 2010); and School of Interactive Arts + Technology, Simon Fraser University, Surrey, BC, Canada (January 18, 2010).

“Fieldwork and Sketching: Translating Research Themes into Conceptual Designs,” Interaction Design Association (IxDA) Conference (Interaction ‘08), Savannah, GA, February 9, 2008.

“Re-Placing Faith: Reconsidering the Secular-Religious Use Divide in the United States and Kenya,” Presented to Intel Corporation’s User Experience Group, Intel, Hillsboro, OR, June 28, 2008.

“Aging and Housework: New Approaches to Designing Human-Centered Cleaning Products,” Presented at Intel Corporation’s “Design Brown Bag” Series, Intel, Hillsboro, OR, July 20, 2004.

TEACHING

MI450: Creating Human-Centered Technology

Michigan State University, Undergraduate Class

(Spring 2025; combined with MI488; Spring 2024; Spring 2023; Spring 2022; Spring 2020; Spring 2019; Spring 2018; Spring 2017; Spring 2015; Fall 2017; Fall 2016; Fall 2015)

MI420: Interactive Prototyping

Michigan State University, Undergraduate Class

(Fall 2024; Fall 2023; Fall 2022; Fall 2021; Fall 2019; Fall 2018)

MI488: Information Communication Technology and Development Project Design Course

Michigan State University, Undergraduate Class

(Spring 2025; combined with MI450; Spring 2024; Spring 2022; Spring 2019; Spring 2018)

CAS992: Doctoral Seminar: Human-Computer Interaction

Michigan State University, Graduate Class

(Fall 2019)

JRN916: Qualitative Research Methods

Michigan State University, Graduate Class

(Spring 2016)

TC450: Human-Computer Interaction and User Experience Design

Michigan State University, Undergraduate Class

(Spring 2016; Fall 2014; Spring 2014; Fall 2013; Spring 2013; Fall 2012)

TC480: Information and Communication Technology for Development

Michigan State University, Undergraduate Class

(Spring 2012)

ENGE/CS/ID 2984: Engineering Design for Social Development

Virginia Tech, College of Engineering (cross-listed in Computer Science, Engineering Education, and Industrial Design Departments)

(Fall 2011)

HD3620: Human Bonding (*teaching assistant with Dr. Cynthia Hazan*)

Cornell University, Department of Human Development, Undergraduate Class

(Fall 2003; Fall 2001)

DEA4320: Design Studio 1 (*teaching assistant with Paul Eschelmann*)

Cornell University, Department of Design and Environmental Analysis

(Spring 2002)

POSTDOCTORAL MENTORING

Dr. Miriam Kyule

Lecturer, Department of Agricultural Education and Extension
2024–present – Visiting Scholar supported by MSU’s Alliance for African Partnership “African Futures Scholars” program

Dr. Miriam Charimbu

Lecturer, Department of Crop Production and Protection, Egerton University
2021–2023 – Visiting Scholar supported by MSU’s Alliance for African Partnership “African Futures Scholars” program

DOCTORAL STUDENTS GRADUATED

Dr. Hope Chidziwisano

Department of Media and Information, Michigan State University
(Spring 2016–Spring 2022) – I&M Ph.D., Primary Advisor
Currently Assistant Professor, University of Tennessee, School of Information Sciences

Dr. Brian Geyer

Department of Anthropology, Michigan State University
(Fall 2016–Spring 2025) – Anthropology Ph.D., Primary Advisor (with Dr. Chantal Tetrault, Anthropology)

DOCTORAL STUDENTS COMMITTEE MEMBER

Dr. Joyline Chepkorir

School of Nursing, Johns Hopkins University
(Spring 2022–Spring 2024) – Dissertation Committee (Graduated Spring 2024)

Dr. Megan Knittel

Department of Media and Information, Michigan State University
(Spring 2019–Fall 2023) – I&M Ph.D., Dissertation Committee (Graduated Fall 2023)

Dr. Ji Youn Shin

Department of Media and Information, Michigan State University
(Spring 2019–Spring 2022) – I&M Ph.D., Dissertation Committee (Graduated Spring 2022)

Dr. Dee Jordan

Department of Geography, Michigan State University
(Fall 2017–Spring 2019) – Geography Ph.D., Dissertation Committee

Dr. Mengyan Ma

Department of Advertising and Public Relations, Michigan State University
(Fall 2016–Spring 2019) – I&M Ph.D., Dissertation Committee

Dr. Tian Cai

Department of Media and Information, Michigan State University
(MIS Ph.D.) – Dissertation Committee (Graduated Summer 2017)

Dr. Chimobi Ucha

Department of Media and Information, Michigan State University
(Fall 2016–Fall 2017) – I&M Ph.D.

Dr. Chandan “Dan” Sarkar

Department of Media and Information, Michigan State University
(Fall 2012–Spring 2013) – I&M Ph.D., Dissertation Committee (Graduated Summer 2013)

MASTER'S STUDENT ADVISING

Yuxin Jiang

Media and Information, M.A. Student – Graduated Spring 2020

Yufen Hsi

Media and Information, M.A. Student – Graduated Summer 2019

Hope Chidziwisano

Media and Information, M.A. Student – Graduated Fall 2017

Emily Fesler

Media and Information, M.A. Student, Thesis Committee (Spring 2016–Summer 2019)

Jeremy Rook

Media and Information, M.A. Student, Thesis Committee – Graduated Fall 2018

Christopher Root

Agricultural, Food, and Resource Economics (AFRE), M.S. Student – Graduated Spring 2017

Daniel Ninsiima

Media and Information, M.A. Student – Graduated 2014

Shengjie “Holly” Zhou

Media and Information, M.A. Student – Graduated 2015

Leena Masquood

Media and Information, M.A. Student – Graduated 2014

PAID RESEARCH ASSISTANTS

Osa Diawara, Summer 2024–Fall 2025

Tanzil Zubair Bin Zaman, Spring 2024–Fall 2025

April Greenwood (Anthropology), Spring, Summer 2018

Hope Chidziwisano (Media and Information), Spring 2016–Present

Holly Osmer (Media and Information), Fall 2016–Spring 2017

Ashleigh Lovette (Communication), Spring 2014

Brian Geyer (Anthropology), Spring 2014, Spring 2018

Jonathon Choti (Linguistics), Spring 2013

Dominic Nangea (Agribusiness Management), Spring 2013

PAID RESEARCH ASSISTANTS (TRAVELLED TO KENYA)

Chimobi Ucha (Media and Information), Summer 2017

Rellikson Kisyula (Media and Information), Summer 2017

Ian O’Bara (Media and Information), Summer 2016

Florence Uwimbabazi (Advertising + Public Relations), Summer 2016

Dominic Nangea (Agribusiness Management), Summer 2012

Carol Myers-Scottton, Ph.D. (Linguistics), Summer 2012

EXTERNAL EXAMINER FOR DISSERTATION

Pietari Keskinsen, Department of Computer Science, Aalto University School of Science
R. Ssembatya, Department of Computer Science, University of Cape Town
Frederick W. Meissner, Department of Computer Science, University of Cape Town

SERVICE

Doctoral Consortium Co-Chair, with Rosa Arriaga (GaTech), ACM Conference on Computer Supported Cooperative Work (CSCW '23), Minneapolis, MN (2022–2023)

Papers Co-Chair, with Lakshmi Subramanian (NYU), ACM International Conference on Information and Communication Technologies and Development (ICTD '16), Ann Arbor, MI (2016)

Program Committee Member, ACM Conference on Computer-Supported Cooperative Work and Social Computing (2018–2021)

Associate Editor, ACM Conference on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) (2017–2018)

Papers Associate Chair, ACM Conference on Human Factors in Computing Systems (CHI) (2011, 2012, 2017, 2018, 2022)

Papers Associate Chair, IEEE/ACM International Conference on Information and Communication Technologies and Development (ICTD) (2011, 2014, 2017, 2018, 2019, 2020)

Guest Editor, *Information Technologies & International Development (ITID)*, “Best of ICTD 2016 Conference”

Organizing Committee Member, iConference 2016, Drexel University, Philadelphia, PA (2016)

“CSCWhat’s Next” Co-Chair, with Mark Handel (Boeing), ACM Conference on Computer Supported Cooperative Work (CSCW '14), Baltimore, MD (2014)

Faculty Mentor, Doctoral Colloquium, ACM Conference on Computer Supported Cooperative Work (CSCW '13), San Antonio, TX (2013)

Papers Associate Chair, ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW) (2014, 2019, 2020)

Papers Associate Chair, ACM Conference on Designing Interactive Systems (DIS) (2012, 2018)

Papers Associate Chair, ACM African Conference on Human Computer Interaction (AfriCHI) (2016, 2018)

Works-in-Progress Program Committee Member, ACM Conference on Human Factors in Computing Systems (CHI) (2013, 2016, 2017)

Proposal Judge, Big Ideas@Berkeley (2014)

Grant Proposal Reviewing

National Institutes of Health (NIH) and National Science Foundation (NSF), 2021

National Science Foundation (NSF), 2011, 2018, 2019

Conference Reviewing

Ongoing—Conferences: ACM Conference on Human Factors and Computing Systems (CHI); ACM Conference on Computer-Supported Cooperative Work (CSCW); ACM Conference on Designing Interactive Systems (DIS); AfriCHI; International Conference on Ubiquitous Computing (UbiComp); IEEE/ACM International Conference on Information and Communication Technologies and Development (ICTD); International Conference on Tangible, Embedded and Embodied Interaction (TEI); Participatory Design Conference (PDC)

Ongoing—Journals: *Climate and Development*; *Interacting with Computers*; *ACM Transactions on Computer-Human Interaction (TOCHI)*; *New Media & Society*; *Mobile Media & Communication*; *Information, Communication, and Society*; *The Information Society*; *Journal of Communication*; *International Journal of Communication*; *Information Technologies & International Development*; *Sociological Forum*; *World Development*

Service to Michigan State University

Member, MSU Office of Research and Innovation's inaugural ADVICE cohort, 2024–2025. *The program supports mid- to senior-level faculty in developing a center-level vision for team science and extramural funding.*

ICTD/Agricultural Economics Faculty Search Committee: 2012, 2013, 2024

Annual Performance Review Committee: 2013, 2019, 2024, 2025

Dean Search, College of Communication Arts and Sciences: 2022–2024

Open Rank Tenure (Brandt Chair) Faculty Search Committee: 2021–2022

Media and Information Faculty Search Committee (Chair): 2019–2020

Department Chair Search Committee: 2018–2019

Human-Centered Technology Focus Area Curriculum Development Committee: 2014–2018

Undergraduate Curriculum Committee: 2017

Human-Centered Computing Faculty Search Committee: 2016

Internet Economics Faculty Search Committee: 2015

Social Computing Faculty Search Committee: 2012

Invited Judge, MIS Ph.D. Research Symposium: 2015

INDUSTRY RESEARCH EMPLOYMENT

Intel Research, Berkeley, CA, Research Intern (Summer 2007)

Microsoft Research, Cambridge, United Kingdom, Research Intern, Socio-Digital Systems Group (Summer 2006)

PROFESSIONAL EMPLOYMENT/INTERNSHIPS

IslamTech LLC, Atlanta, GA, Co-Founder, Chief Design Officer (2009–2012)

Intel Corporation, Hillsboro, OR, Design Research Intern, User-Centered Design Group (Summer 2004)

S.C. Johnson & Son, Inc., Racine, WI, Design Research Intern, Consumer and Product Insights Group (Summer 2003)

Libbey Inc., Toledo, OH, Lead Industrial Designer, New Product Development Group (1998–2000)

DESIGN PATENTS

“Container,” U.S. Patent D484365, December 30, 2003. Assignee: Libbey Glass Inc.

“Goblet,” U.S. Patent D460323, July 16, 2002. Assignee: Libbey Glass Inc.

“Glass,” U.S. Patent D456214, April 30, 2002. Assignee: Libbey Glass Inc.

“Stem for an Article of Stemware,” U.S. Patent D453282, February 5, 2022. Assignee: Libbey Glass Inc.
“Glass,” U.S. Patent D451346, December 4, 2001. Assignee: Libbey Glass Inc.
“Glass,” U.S. Patent D462238, September 3, 2001. Assignee: Libbey Glass Inc.
“Baking Dish,” U.S. Patent D441598, May 8, 2001. Assignee: Libbey Glass Inc.
“Baking Dish,” U.S. Patent D441597, May 15, 2001. Assignee: Libbey Glass Inc.
“Baking Dish,” U.S. Patent D442019, May 8, 2001. Assignee: Libbey Glass Inc.
“Baking Dish,” U.S. Patent D442425, May 22, 2001. Assignee: Libbey Glass Inc.
“Glass,” U.S. Patent D424377, May 9, 2000. Assignee: Libbey Glass Inc.

INVITED WORKSHOPS AND DOCTORAL CONSORTIUM PARTICIPATION

“Consortium for the Science of Socio-Technical Systems (CSST) Research Institute,” NSF-Sponsored Workshop, Ann Arbor, MI, July 22–25, 2018.

“Consortium for the Science of Socio-Technical Systems (CSST) Summer Research Institute,” NSF-Sponsored Workshop, Captiva Island, FL, May 4–7, 2011.

“Slow Down, You Move Too Fast”: Rethinking the Culture of Busyness and IT, NSF-Sponsored Workshop, University of Washington, Seattle, WA, May 10–12, 2011.

“Computing at the Margins,” NSF-Sponsored Workshop, Georgia Tech, Atlanta, GA, April 4, 2010.

“The Discipline of Design,” NSF-Sponsored Workshop, University of Michigan, Ann Arbor, MI, March 17–19, 2008.

SELECTED MEDIA

Ugonjwa wa Kisukari (Diabetes). WestTV, Bungoma, Kenya, May 1, 2023. Available online: <https://www.youtube.com/watch?v=Lg8li1ulRyk>.

“Next Billion People Online Will Get Odd Versions of the Internet.” *New Scientist*, February 3, 2016. Available Online: <https://www.newscientist.com/article/2075978-next-billion-people-online-will-get-odd-versions-of-the-internet/>.

“Facebook Is Being Redefined by Its Developing World Users.” *MIT Technology Review*, July 22, 2015. Available Online: <https://www.newscientist.com/article/2075978-next-billion-people-online-will-get-odd-versions-of-the-internet?>

“A CI Fellow’s Perspective: Becoming a Better Researcher.” *The Computing Community Consortium Blog*, March 31, 2010. Available Online: <http://www.cccb.org/2011/03/31/a-cifellows-perspective-becoming-a-better-researcher/>.

“Time to Pray? Better Check Your Phone.” *DISCOVER*, April 7, 2009. Available Online: <http://blogs.discovermagazine.com/discoblog/2009/04/07/time-to-pray-better-check-your-phone/>
“Sun Dial - Mobile Phone App Alerts Muslims About Prayer Times.” *Scientific Blogging*, April 5, 2009. Available Online: <http://blogs.discovermagazine.com/discoblog/2009/04/07/time-to-pray-better-check-your-phone/>.

“Mobile Phone Application Reminds Muslims When to Pray.” *PBA Online*, Public Broadcasting Atlanta, April 7, 2009.