

Foad Hamidi

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Education

Ph.D. in Computer Science, York University, Toronto, 2016

Title: Rafigh: A Living Media System for Motivating Target Application use for Children

Advisor: Dr. Melanie Baljko

M.Sc. in Computer Science, York University, Toronto, 2007

Title: Cost-Based Analysis and Automatic Derivation of Containment Hierarchies for Text Composition Facilities

Advisor: Dr. Melanie Baljko

Specialized Honours BA in Computer Science, York University, Toronto, 2004

Academic Appointments

University of Maryland, Baltimore County (UMBC)

Director, Interactive Systems Research Center (ISRC), 2022-present

Assistant Professor, 2019-present

Lab Director, Designing pARTicipatory futuErs (DARE) Lab, 2019-present

Research Assistant Professor, 2018-2019

Postdoctoral Research Associate, Mentor: Dr. Amy Hurst, 2016-2018

York University, Toronto

Research Assistant, GaMaY Lab, 2008-2016

Course Director, York University, Toronto, 2012

Teaching Assistant, York University, Toronto, 2008 – 2014

University of Seville, Spain

Visiting Researcher, TAIS Research Group, 2015

Bhutan Innovation and Technology Center, Thimphu

Overseas Expert, 2013

University of Victoria, Victoria, Canada

Assistive Technology Developer, UVATT, 2007

Awards and Recognitions

COEIT Early Career Excellence Award, 2024

Special Recognition for Outstanding Review (CHI), 2022

Special Recognition for Outstanding Review (CHI), 2021

Best Paper Nomination, International Cross-Disciplinary Conference on Web Accessibility (W4A), 2020

Special Recognition for Outstanding Review (CHI), 2019

Special Recognition for Outstanding Review (CSCW), 2019

Recognition of Contribution to Inclusion and Diversity at CSCW, 2018

Best Paper Award, ACM Conference on Human Factors in Computer Systems (CHI), 2018

Best Paper Nomination, ACM SIGACCESS Conference on Computers and Accessibility (ASSETS), 2017

Bridgable “Bridge the Gap Award” for TalkBox system, 2014

EECS Graduate TA Teaching Excellence Award, 2014

Bachelor of Art with Cum Laude Honours, 2004

Honorable Mention, The ACM East Central North American Programming Contest, 2004


York University Faculty of Arts Sessional Academic Achievement List, 2001 & 2002

Publications

Note: In my field, full papers published in the proceedings of the top-ranked, highly selective conferences are viewed as equally (if not more) important than journal articles. These are highly peer-reviewed and are considered archival publications. For a study of the impact of conference proceedings in my field, see Conference Paper Selectivity and Impact: <http://dl.acm.org/citation.cfm?id=1743546.1743569>. Paper acceptance rates are indicated when they are publicly available.

Peer-Reviewed Journal Papers

- [1] McDonald, N. Stamato, L., **Hamidi, F.** 2024. Connecting in Crisis: Investigating Equitable Community Internet Access in the US During the COVID-19 Pandemic. *To appear.*
- [2] Gomez-Gonzalez, I. M., Castro-Garcia, J. A., Merino-Monge, M., Sanchez-Anton, G., **Hamidi, F.**, Mendoza-Sagrera, A., Molina-Cantero, A. J. 2024. Emotional State Measurement Trial (EMOPROEXE): A Protocol for Promoting Exercise in Adult and Children with Cerebral Palsy. *J. Pers. Med.*, 14(5), 521; *J. Pers. Med.* 2024, 14(5), 521; <https://doi.org/10.3390/jpm14050521>

- [3] McDonald, N., Massey, A., **Hamidi, F.** 2023. Elicitation and Empathy with AI-enhanced Adaptive Assistive Technologies (AATs): Towards Sustainable Inclusive Design Method Education. *Journal of Problem-Based Learning in Higher Education*, 11(2), 78-99.
- [4] **Hamidi, F.**, Kidane, T., Owur, P. M., Hynie, M., Baljko. 2023. Supporting Social Inclusion with DIY-ATs: Perspectives of Kenyan Caregivers of Children with Cognitive Disabilities. *ACM Trans. Access. Comput. (TACCESS)*, Article 20, 27 pages.
- [5] Easley, W., Hurst, A., Mentis, H., **Hamidi, F.** 2023. Youths' Usage of an Informal Chatting Tool in an After-school 3D Print Shop. *Proc. ACM Hum.-Comput. Interact.* 7, CSCW1, Article 118, 20 pages.
- [6] Walker, J., Stamato, L., Asgarali-Hoffman, S., **Hamidi, F.**, Scheifele, L. 2022. Community Labs in the United States: BioMakerspaces for Life Science Learning. *Public Understanding of Science*, <https://doi.org/10.1177/0963662522113585>.
- [7] **Hamidi, F.** and Karachiwalla, Z. 2022. Structural Accessibility Barriers and Service Gaps Facing Refugees with Disabilities in the United States. *Journal of Enabling Technologies*, Vol. 16 No. 3, 189-203.
- [8] **Hamidi, F.**, Owuor, P., Hynie, M., and Baljko, M. 2022. "Knowledge Comes Through Participation": Understanding Disability through the Lens of DIY Assistive Technology in Western Kenya. *Proc. ACM Hum.-Comput. Interact.* 6, CSCW1, Article 72, 25 pages.
- [9] Stamato, L., Higgins, E., Prottoy, H. M., Asgarali-Hoffman, N., Scheifele, L., Dusman, L., deCarvalho, T., Ascencao, T., **Hamidi, F.** 2022. Raaz: A Transdisciplinary Exploration at the Intersection of Bioart, HCI, and Community-Engagement. *Frontiers in Computer Science*, 4.
- [10] McDonald, N., Massey, A., **Hamidi, F.** 2021. AI-Enhanced Adaptive Assistive Technologies: Methods for AI Design Justice. *Data Engineering*, 3.
- [11] Long, E., Vijaykumar, S., Gyi, S., **Hamidi, F.** 2021. Rapid transitions: Experiences with Accessibility and Special Education during the COVID-19 Crisis. *Frontiers in Computer Science*, 2:617006. doi: 10.3389/fcomp.2020.617006
- [12] Merritt, T., **Hamidi, F.**, Alistar, M., Menezes, M. 2020. Living Media Interfaces: A Multi-Perspective Analysis of Biological Materials for Interaction. *Digital Creativity*, 30 (1), 1-21.
-  [13] Scheuerman, M., Branham, S., and **Hamidi, F.** 2018. Safe Spaces and Safe Places: Unpacking Technology-Mediated Experiences of Safety and Harm with Transgender People. *Proceedings of the ACM on Human-Computer Interaction*, Vol. 2, CSCW, Article 155. **(Recognition of Contribution to Diversity and Inclusion)**.
- [14] Easley, W., **Hamidi, F.**, Lutters, W., and Hurst, A. 2018. Shifting Expectations: Understanding Youth Employees' Handoffs in a 3D Print Shop. *Proceedings of the ACM on Human-Computer Interaction*, Vol. 2, CSCW, Article 47.

- [15] **Hamidi, F.**, Baljko, M., Kunic, T., and Feraday, R. 2015. TalkBox: A DIY Communication Board Case Study. *Journal of Assistive Technologies*, 9(4), 187-198.
- [16] **Hamidi, F.**, Baljko, M., Ecomomopoulos, C., Livingston, N., and Spalteholz, L. G. 2015. Co-designing a speech interface for people with dysarthria. *Journal of Assistive Technologies*, 9(3), 159-173.
- [17] Baljko, M. and **Hamidi, F.** 2014. Knowledge Co-creation and Assistive Technology. *Journal of Scholarly and Research Communication*, 5(4).
- [18] **Hamidi, F.** and Kapralos, B. 2009. A Review of Spatial Sound for Virtual Environments and Games with Graphics Processing Units. *The Open Virtual Reality Journal*, 1(1): 8-17.

Peer-Reviewed Conference Proceedings

- [1] Higgins, E., Sakowicz, M., **Hamidi, F.** 2024. An Ecosystem of Support: A U.S. State Government-Supported DIY-AT Program for Residents with Disabilities. *Proceedings of the 26th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '24)*, To appear. Paper acceptance rate 30%
- [2] Stamato, L., Prottoy, H., Higgins, E., Scheifele, L., and **Hamidi, F.** 2024. Message in a Bottle: Investigating Bioart Installations as a Transdisciplinary Means of Community Engagement. *Proceedings of the CHI Conference on Human Factors in Computing Systems (CHI'24)*, Article 734, 1–17. Paper acceptance rate 26%
- [3] Crawford, K., Spiel, K., and **Hamidi, F.** 2023. Complex Dynamics: Disability, Assistive Technology, and the LGBTQIA+ Community Center Experience in the United States. *Proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '23)*, Article 27, 1–15. Paper acceptance rate 30%
- [4] Higgins, E., Oliver, Z., and **Hamidi, F.** 2023. Towards a Social Justice Aligned Makerspace: Co-designing Custom Assistive Technology within a University Ecosystem. *Proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '23)*, Article 28, 1–13. Paper acceptance rate 30%
- [5] **Hamidi, F.**, Easley, W., and Hurst, A. 2023. A Quantitative Study of Youth Employees' Use of an Informal Chatting Tool at a Workforce Training Program. *Proceedings of the 2023 IEEE Frontiers in Education Conference (FIE)*, 01-08.
- [6] **Hamidi, F.**, Easley, W., Hurst, A. 2023. The Impact of Participating in an Afterschool Professional Training Program on Youth Employees (RTP). *Proceedings of the 2023 American Society of Engineering Education Conference and Exposition (ASEE'23)*, paper ID 37703.

- [7] Prottoy, H., M., Stamato, L. and **Hamidi, F.** 2023. “Critical questions are missing”: Perspectives of environmental justice activists of Bangladesh on justice and technology. *Proceedings of the Ninth Workshop on Computing within Limits (LIMITS'23)*.
- [8] Higgins, E., Posada, J., Kimble-Brown, Q., Abler, S., Coy, A. and **Hamidi, F.** 2023. Investigating an Equity-based Participatory Approach to Technology-rich Learning in Community Recreation Centers. *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems*, 1-18. Paper acceptance rate 27%
- [9] Higgins, E., Stamato, L., Easley, W., Godes, K., Hurst, A., **Hamidi, F.** 2022. Creating 3D Printed Assistive Technology Through Design Shortcuts: Leveraging Digital Fabrication Services to Incorporate 3D Printing into the Physical Therapy Classroom. *Proceedings of the International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '22)*, Article 34, 1-16. Paper acceptance rate 27%
- [10]Alduljian, I., Stamato, L., Asgarali-Hoffman, N., **Hamidi, F.**, Walker, J. Masouri, M., and Scheifele, L. 2022. Community biology labs in practice: A Pasteur’s quadrant. *Transdisciplinarity and the Future of Engineering*, 173-183.
- [11]Wu, T. and **Hamidi, F.** 2022. Using Arduino Kits and Discord to Implement a Fully Remote Laboratory Course During the COVID-19 Pandemic. *Proceedings of the 2022 American Society of Engineering Education Conference and Exposition (ASEE'22)*, paper ID 36497. Permanent URL: <https://peer.asee.org/40440>
- [12]**Hamidi, F.**, Karachiwalla, Z. 2022. Note: “Fear is Grounded in Reality”: The Impact of the COVID-19 Pandemic on Refugees’ Access to Health and Accessibility Resources in the United States. *Proceedings of the 2022 ACM Conference on Computing and Sustainable Societies (COMPASS'22)*, 661-667. Paper acceptance rate 50%
- [13]**Hamidi, F.**, Karachiwalla, Z. 2022. "I'm ok because I'm alive": Understanding Socio-cultural Accessibility Barriers for Refugees with Disabilities in the US. *Proceedings of the 19th International Web for All Conference (W4A '22)*, Article 26, 1–11. Paper acceptance rate 35%
- [14]Nagraj, A., Kuber, R., **Hamidi, F.**, Parasad, R. 2021. Investigating the Navigational Habits of People who are Blind in India. *Proceedings of the International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '21)*, 1-10. Paper acceptance rate 28%
- [15]Easley, W., Asgarali-Hoffman, N., Hurst, A., Mentis, H., **Hamidi, F.** 2021. Using a Participatory Toolkit to Elicit Youth’s Workplace Privacy Perspectives. *Proceedings of the 2021 European Symposium on Usable Security (EuroUSEC'21)*, 211-222. Paper acceptance rate 24%
- [16]**Hamidi, F.**, Coy, A., and Freeland, A. 2021. Planting Seeds: Implementing Maker-Based Learning Programs for Urban Youth. *Proceedings of the 2021 American Society of Engineering Education Conference and Exposition (ASEE'21)*, paper ID 32425.

- [17] Asgarali-Hoffman, S. N., **Hamidi, F.** 2021. Perspectives of Bioartists and Community Lab Organizers on Working with Living Organisms. *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21)*, Article 591, 1-15. Paper acceptance rate 25.7%
- [18] **Hamidi, F.**, Stamato, L., Scheifele, L., Hammond, R. C. V., and Asgarali-Hoffman, S. N. 2021. “Turning the Invisible Visible”: Transdisciplinary Bioart Explorations in Human-DNA Interaction. *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21)*, Article 592, 1-15. Paper acceptance rate 25.7%
- [19] Russ, S. and **Hamidi, F.** 2021. Online Learning Accessibility During the Covid-19 Pandemic. *Proceedings of the 18th International Cross-Disciplinary Conference on Web Accessibility (W4A'21)*. New York, NY: ACM Press, Article 8, 1-7. Paper acceptance rate 53%
- [20] **Hamidi, F.**, Freeland, A., Grimes, S., Grimes, S., Moulton, A., and Coy, A. 2020. Expanding Informal Maker-Based Learning Programs for Urban Youth. *Proceedings of the 2020 IEEE Frontiers in Education Conference (FIE)*, 1-9. Paper acceptance rate 55%
- [21] Wojciechowska, A., **Hamidi, F.**, Lucero, A., and Cauchard, J. 2020. Chasing Lions: Co-Designing Human-Drone Interaction in Sub-Saharan Africa. *Proceedings of the 2020 ACM Designing Interactive Systems Conference (DIS '20)*. New York, NY: ACM Press, 141–152. Paper acceptance rate 24%
- [22] **Hamidi, F.**, Moulton, A., Grimes, S., Grimes, S., and Coy, A. 2020. Using Retrospective Surveys to Assess the Impact of Participating in an Afterschool Maker Learning Program on Youth. *Proceedings of the 2020 American Society of Engineering Education Conference and Exposition (ASEE'20)*, paper ID 29746.
- ⊘ [23] **Hamidi, F.**, Poneres, K., Massey, A. and Hurst, A. 2020. Using a Participatory Activities Toolkit to Elicit Privacy Expectations of Adaptive Assistive Technologies. *Proceedings of the 17th International Cross-Disciplinary Conference on Web Accessibility (W4A'20)*. New York, NY: ACM Press, 17:1-17:12 (**Best Paper Award Nomination**). Paper acceptance rate 62%
- [24] **Hamidi, F.**, Kumar, S., Dorfman, M., Ojo, F., Kottapalli, M., and Hurst, A. 2019. SenseBox: A DIY Prototyping Platform to Create Audio Interfaces for Therapy. *Proceedings of the 13th International Conference on Tangible, Embedded and Embodied Interaction (TEI'19)*, New York, NY: ACM Press, 25-34. Paper acceptance rate 34%
- [25] **Hamidi, F.**, Mbullo, P., Onyango, D., Hynie, M. McGrath, S., and Baljko, M. 2018. Participatory Design of DIY Digital Assistive Technologies in Western Kenya. *Proceedings of the 2nd African Human-Computer Interaction Conference (AfriCHI'18)*, New York, NY: ACM Press, 78-88. Paper acceptance rate 37.5%

- [26]**Hamidi, F.**, Poneres, K., Massey, A., and Hurst, A. 2018. Who Should Have Access to my Pointing Data? Privacy Tradeoffs of Adaptive Assistive Technologies. *Proceedings of the 20th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '18)*, New York, NY: ACM Press, 203-216. Paper acceptance rate 26%
- [27]**Hamidi, F.**, Easley, W., Grimes, S., Grimes, S., and Hurst, A. 2018. Youth Attitudes Towards Assessment Tools in After-school Informal Learning and Employment Training Programs. *Proceedings of the 2018 American Society of Engineering Education Conference and Exposition (ASEE'18)*, paper ID 21422.
- [28]Martin-Hammond, A., **Hamidi, F.**, Bhalerao, T., Ortega, C., Ali, A., Hornback, C., Means, C., and Hurst, A. 2018. Designing an Adaptive Web Navigation Interface for Users with Variable Pointing Performance. *Proceedings of the 15th International Cross-Disciplinary Conference on Web Accessibility (W4A'18)*. New York, NY: ACM Press, 16:1-16:10. Paper acceptance rate 35%
- 🏆 [29]**Hamidi, F.**, Scheuerman, M., and Branham, S. 2018. Gender Recognition or Gender Reductionism? The Social Implications of Automatic Gender Recognition Systems. *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18)*. New York, NY: ACM Press, 8:1-8:13. (**Best Paper Award, Top 1%**). Paper acceptance rate 25%
- 🏆 [30]**Hamidi, F.**, Baljko, M., and Gómez, I. 2017. Using Participatory Design with Proxies with Children with Limited Communication. *Proceedings of the 19th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '17)*. New York, NY: ACM Press, 250-259. (**Best Paper Award Nomination**). Paper acceptance rate 22%
- [31]**Hamidi, F.**, Grimes, S., Grimes, S., Wong, C. and Hurst, A. 2017. Assessment Tools for an Afterschool Youth Maker Program. *Proceedings of the 2017 Conference on Creativity and Fabrication in Education (FabLearn'17)*. New York, NY: ACM Press, 12:1-12:4. Paper acceptance rate 42%
- [32]**Hamidi, F.** and Baljko, M. 2017. Engaging Children Using a Digital Living Media System. *Proceedings of the 2017 Conference on Designing Interactive Systems (DIS'17)*. New York, NY: ACM Press, 711-723. Paper acceptance rate 24%
- [33]Haworth, B., Usman, M., Baljko, M. and **Hamidi, F.** 2016. The Use of Working Prototypes for Participatory Design with People with Disabilities. *Proceedings of the 14th International Conference on Computers Helping People with Special Needs (ICCHP'16)*, Berlin: Springer, 134-141. Paper acceptance rate 50%
- [34]**Hamidi, F.** and Baljko, M. 2014. Subversive Interaction Design: Digital Design and Inspiration. *Proceedings of the 9th International Conference on Design and Emotion (DE'14)*, 25-31.

- [35] **Hamidi, F.**, Comeau, N., Saenz, K., and Baljko, M. 2014. HugBug: A Wearable Interface for Facilitating Digital Design for Children. *Proceedings of the 9th International Conference on Design and Emotion (DE'14)*, 706-709.
- [36] **Hamidi, F.**, Saenz, K., and Baljko, M. 2014. Sparkles of Brilliance: Incorporating Cultural and Social Context in Codesign of Digital Artworks. *Proceedings of the 2014 conference on Interaction design and children (IDC'14)*. New York, NY: ACM Press, 77-84. Paper acceptance rate 31%
- [37] **Hamidi, F.** and Baljko, M. 2014. Rafigh: A Living Media Interface for Speech Intervention. *Proceedings of the 32nd Annual ACM Conference on Human Factors in Computing Systems (CHI'14)*. New York, NY: ACM Press, 1817-1820. Paper acceptance rate 26%
- [38] **Hamidi, F.**, Baljko, M. Kunic, T., and Feraday, R. 2014. Do-It-Yourself (DIY) Assistive Technology: A Communication Board Case Study. *Proceedings of the 13th International Conference on Computers Helping People with Special Needs (ICCHP'14)*, Berlin: Springer, 287-294. Paper acceptance rate 50%
- [39] **Hamidi, F.** and Baljko, M. 2012. Reverse-Engineering Scanning Keyboards. *Proceedings of the 13th International Conference on Computers Helping People with Special Needs (ICCHP'12)*, Berlin: Springer, 431-438. Paper acceptance rate 50%
- [40] **Hamidi, F.** and Baljko, M. 2012. Using Social Networks for Multicultural Creative Collaboration. *Proceedings of the International Conference on Intercultural Collaboration (ICIC'12)*, New York, NY: ACM Press, 39-46. Paper acceptance rate 60%
- [41] **Hamidi, F.**, Baljko, M., Livingston, N., and Spalteholz, L. 2010. CanSpeak: A Customizable Speech Interface for People with Dysarthric Speech. *Proceedings of the International Conference on Computers Helping People with Special Needs (ICCHP'10)*. Berlin: Springer, 605-612. Paper acceptance rate 50%
- [42] Spalteholz, L., Lin, K. F., Livingston, N., and **Hamidi, F.** 2008. KeySurf: A Character Controlled Browser for People with Physical Disabilities. *Proceedings of the 17th World Wide Web Conference (WWW'08)*. New York, NY: ACM Press, 31-39. Paper acceptance rate 12%

Peer-Reviewed Book Chapters

- [1] **Hamidi, F.**, Scheuerman, M. and Branham, S. Gender is Personal – Not Computational. 2023. In: E. Rodriguez (Ed.), *The Conversation on Gender Diversity*. Baltimore, MD: JHU Press.
- [2] **Hamidi, F.**, Mbullo, P., Hynie, M., Baljko, M., and McGrath, S. 2017. Potentials of Digital Assistive Technology and Special Education in Kenya. In: C. Ayo, & V. Mbarika (Eds.), *Sustainable ICT Adoption and Integration for Socio-Economic Development*, 125-151. Hershey, PA: IGI Global.

Editorial Reviewed Works

- [1] **Hamidi, F.**, Scheuerman, M. and Branham, S. Gender is Personal – Not Computational. *The Conversation (May 2018)*. <https://theconversation.com/gender-is-personal-not-computational-90798> (>11k reads)
- [2] **Hamidi, F.**, Scheuerman, M. and Branham, S. Can Gender Be Computed? *Scientific American (May 2018)*. <https://www.scientificamerican.com/article/can-gender-be-computed/>
- [3] **Hamidi, F.** and Baljko, M. Inviting Silence: An Ambient Digital Living Media System in the Home. *interactions 25, 2 (Feb. 2018)*, 82-84.

Accepted Workshop Proposals

- [1] Mankoff, J., Crawford, K., Weise, J., Mack, K., **Hamidi, F.** 2023. A11yFutures: Envisioning the Future of Accessibility Research. *Proceedings of the ACM SIGACCESS Conference on Computer and Accessibility (ASSETS'23)*, 1-4.
- [2] Struzek, D., Cerna, K., Paluch, R., Bittenbinder, S., Müller, C., Reuter, A., Stamato, L., Subasi, O., **Hamidi, F.**, Vines, J. 2021. Designing for new Forms of Vulnerability: Exploring transformation and empowerment in times of COVID-19. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '21)*, Article 82, 1–5.
- [3] **Hamidi, F.**, Müller, C., Baljko, M., Schorch, M., Lewkowicz, M. and Stangl, A. Engaging with Users and Stakeholders: The Emotional and the Personal. *Proceedings of the 19th International Conference on Supporting Group Work (GROUP '16)*, 453-456, New York: ACM Press, 2016.

Invited Papers

- [1] Horvath, A., Beloff, L., Bertel, L. B., Boros, J., Cebolla, L., Fricker, P., **Hamidi, f.**, Hanczyc, M. M., Jochum, E., Lochtefeld, M., Merritt, T., Vissonova, K. 2023. Weaving Hybrid Futures: Sustainability in Higher Education with PBL Through Art, Science, and Robotics – Special Issue. *Journal of Problem-Based Learning*, 11, 2, I-VII.
- [2] Shinohara, K. and **Hamidi, F.** 2021. Introduction to the Special Issue on ASSETS'21. *ACM Transactions on Accessible Computing*, 14, 4, Article 18e (October 2021), 2 pages.
- [3] **Hamidi, F.** 2020. DIY Assistive Technology Prototyping Platforms: An International Perspective. *IEEE Pervasive Health*, 18(4), 12-16.
- [4] **Hamidi, F.**, Saenz, K., and Baljko, M. Echoes of Diversity: Using Maker Activities to Support Children's Learning and Empowerment. *Revista DIS*, 29-38, 2017.

- [5] **Hamidi, F.**, and Baljko, M. Makers with a Cause: Fabrication, Reflection and Community Collaboration. *Proceedings of the International Conference on Distributed, Ambient, and Pervasive Interactions*, 49-61, 2015.

Refereed Conference Posters, Demos and Videos

- [1] Coy, A. and **Hamidi, F.** 2023. Collaborative: Understanding the Role of Informal STEM Educators in Creating Maker-based and Community-Centered Technology and Computer Science Learning Hubs for Urban Youth. *Poster Presented at NSF AISL PI Meeting*, Alexandria, VA.
- [2] **Hamidi, F.** 2023. Raaz: Transcendence through Creating Transgenic Poetic Wine. *Interdisciplinary Conference on Taboo, Transgression, and Transcendence*, Malta.
- [3] Abler, S. and **Hamidi, F.** 2022. ProAesthetics: Changing How We View Prosthetic Function. *Proceedings of the 24th International ACM SIGACCESS Conference on Computers and Accessibility*, 1-4.
- [4] Gómez-González, I. M., Molina-Cantero, A. J., Castro-García, J. A., Merino-Monge, M., Pousada-García, T., **Hamidi, F.**, Meriggi, P. 2022. Physiological Computing as a Facilitator for the Promotion of Physical Activity in People with Functional Diversity.
- [5] Lopez-Brown, K., **Hamidi, F.** 2022. Digital Divide During the COVID-19 Crisis: Lack of Internet Connectivity and Community Mesh Networks. *UMBC Review*, 23.
- [6] Walker, J. T., Stamato, L., Asgarali-Hoffman, N., **Hamidi, F.**, Scheifele, L. 2022. Community Labs: Deep Root Spaces for Bio Making. *American Educational Research Association 2022 AERA Annual Meeting*.
- [7] El-Ashry, A., Zhang, X., Shrotri, S., Abler, S., **Hamidi, F.** 2021. Exploring the Collaboration Possibilities of Distributed Making for Storytelling Using 3D Printing Pens. *Proceedings of the 2021 CSCW Conference Extended Abstracts (CSCW EA' 21)*, 44-48.
- [8] **Hamidi, F.** 2020. Rafigh: A Living Media Interface to Engage and Motivate Children with Disabilities. *Proceedings of the Global Community BioSummit 4.0*, Virtual.
- [9] **Hamidi, F.**, Bouhmad, A., and Coy, A. 2020. Responding to COVID-19 with Community Internet. *2020 Virtual Conference (CRA'20)*. Virtual. <https://youtu.be/Y5Yi3MI2UDQ>
- [10] **Hamidi, F.**, Grimes, S., Grimes, S., Moulton, A., and Coy, A. 2020. Scaling Informal Technology Education through Makerspaces. *2020 Conference for the American Society of Engineering Education (ASEE'20)*. Virtual.

- [11]Easley, W., McCoy, D., Grimes, S., Grimes, S., **Hamidi, F.**, Lutters, W., and Hurst, A. 2018. Scaling Informal Technology Education through Makerspaces. *Proceedings of the 2018 CSCW Conference Extended Abstracts* (CSCW EA' 18), 221-224.
- [12]Ponerer, K., **Hamidi, F.**, Massey, A., and Hurst, A. 2018. Using Icons to Communicate Privacy Characteristics of Adaptive Assistive Technologies. *Proceedings of the 19th International ACM SIGACCESS Conference on Computers and Accessibility* (ASSETS '18), 388-390.
- [13]Martin-Hammond, A., **Hamidi, F.**, Bhalerao, T., Ali, A., Hornback, C., Means, C., and Hurst, A. The Participatory Design of an Adaptive Interface to Support Users with Changing Pointing Ability. *Proceedings of the 19th International ACM SIGACCESS Conference on Computers and Accessibility* (ASSETS '17), 343-344 ACM, New York, NY, USA, 2017.
- [14]Baljko, M., Hynie, M., McGrath, S., **Hamidi, F.**, Oracha, P., Mbullo, P., and Onyango, D. Fabrication Lab in a Kit (FLiK): DIY Assistive Technology for Children with Disabilities in Kenya. *International Society for the Advancement of Science in Africa Conference* (SASA), Kigali, Rwanda, 2017.
- [15]**Hamidi, F.**, Young, T. S., Sideris, J., Ardeshiri, R., Leung, J., Rezai, P., and Whitmer, B. Using Robotics and 3D Printing to Introduce Youth to Computer Science and Electromechanical Engineering. *Proceedings of the 2017 CHI conference Extended Abstracts on Human Factors in Computing Systems* (CHI EA' 17), 942-950, ACM New York, 2017.
- [16]**Hamidi, F.**, Merino, M., Gomez, I., Lopez, S. Molina, A. and Baljko, M. A Wearable System for Multisensory Stimulation Therapy for Children. *Proceedings of the 2017 CHI conference Extended Abstracts on Human Factors in Computing Systems* (CHI EA' 17), 1655-1662, ACM New York, 2017.
- [17]Hurst, A., Grimes, S., McCoy, D., Carter, N., Easley, W., **Hamidi, F.**, and Salib, G. Lessons Learned Creating Youth Jobs in an Afterschool Maker Space. *2017 Conference for the American Society of Engineering Education* (ASEE'17). Columbus, OH, 2017.
- [18]**Hamidi, F.** and Baljko, M. Facebook use in Bhutan: A Comparative Study. *Graphics Interface Poster Proceedings* (GP14), 1-2, New York: ACM Press, 2014.
- [19]**Hamidi, F.** and Baljko, M. Rafigh: A Living Media Interface for Learning Games. *CHI '14 Extended Abstracts on Human Factors in Computing Systems* (CHI EA '14). 407-410. New York: ACM Press, 2014.
- [20]**Hamidi, F.** and Baljko, M. Rafigh: An Edible Living Media Installation. *Proceedings of the 8th International Conference on Tangible, Embedded and Embodied Interaction* (TEI '14). 345-346. New York: ACM Press, 2014.

- [21] **Hamidi, F.**, Baljko, M., Moakler, A. and Gadot, A. Synchronum: A Tangible Interface for Rhythmic Collaboration. *Adjunct Proceedings of the 25th Annual Symposium on User Interface Software and Technology (UIST '12)*, 63-64, New York: ACM Press, 2012.
- [22] **Hamidi, F.**, and Baljko, M. Collaborative Poetry on the Facebook Social Network. *Proceedings of the International Conference on Supporting Group Work (GROUP10)*, 305-306. New York: ACM Press, 2010.
- [23] **Hamidi, F.** and Baljko, M. Speech Elicitation for Voice Banking using Augmented Everyday Objects. *Poster presented at the ALS society of Canada 6th Annual ALS Research Forum*, Toronto, Ontario, May 2010.
- [24] **Hamidi, F.** Using Interactive Objects for Speech Intervention. *SIGACCESS Accessible Computing 96*, 28-31, New York: ACM Press, January 2010.

Workshop Papers and Presentations

- [1] Stamato, L., **Hamidi, F.** Controlling Transformation: Youth Experience of Synthetic Biology Competition. Sustainable Unmaking: Designing for Biodegradation, Decay, and Disassembly (Workshop at CHI'24), May 2024.
- [2] **Hamidi, F.**, Higgins, E. An Equity-based Participatory Approach to Technology-rich Learning in Community Recreation Centers. Provost's Teaching & Learning Symposium, UMBC, April 2023.
- [3] Chen, L., Shah, P., Prabhu, K., Daghrity, L., Shetty, S., Delgado, M. L., **Hamidi, F.**, Godwin, K., Lipsmeyer, L. 2023. ABii at School: Some Initial Findings from a Long-term In-school Field Study with a Commercial Robot-assisted Learning System. *Robots for Learning Workshop HRI4L* (Workshop at Human Robot Interaction Conference), Stockholm, Sweden, March 2023.
- [4] **Hamidi, F.** Reflecting on the Privacy of Assistive Technologies. *Accessibility and Disability in CS Education (Workshop at SIGCSE'23)*, Toronto, Canada, March 2023.
- [5] Higgins, E., **Hamidi, F.** Rec-to-Tech: Implementation of a Training Program for Educators to Lead a Youth Program in Baltimore Recreation Centers. *Reimagining Systems for Learning Hands-on Creative and Maker Skills (Workshop at CHI'22)*, April 2022 (online).
- [6] Stamato, L., **Hamidi, F.** Reflections on Art, Practice, Technology, and Solidarity. *"There is no justice, just us": Making Mosaics of Justice in Social Justice Human-Computer Interaction (Workshop at CHI'22)*, April 2022, (online).
- [7] Prottoy, H. M., Yao, Y., **Hamidi, F.** Understanding account sharing practices for online resources at Bangladesh. *Capital-Area Colloquium on Trustworthy and Usable Security/Privacy*, December 2021 (online).

- [8] **Hamidi, F.** Distributed Making: Teaching Design and Physical Modeling at Home Using 3D Pens. *Silver Linings: Lessons Learned from Teaching during the Pandemic*, September 2021 (online).
- [9] **Hamidi, F.** DIY Assistive Technology Platforms for Learning and Inclusion. *Human Computer Interaction Consortium (HCIC'21)*, June 2021 (online).
- [10] McDonald, N., **Hamidi, F.**, Massey A., Mentis, H. Developing Intersectional Elicitation Tools to Understand the Privacy Concerns and Challenges of Disabled Vulnerable Users. *Human Computer Interaction Consortium (HCIC'21)*, June 2021 (online).
- [11] Brown, K., Wright R. M., Laguna, D., Stamato, L., McDonald, N., and **Hamidi, F.** Digital Divide During the COVID-19 Crisis: Lack of Internet Connectivity and Community Mesh Networks. *Designing for New Forms of Vulnerability – Workshop at CHI'21 Conference*. May 2021 (online).
- [12] Stamato, L. & **Hamidi, F.** 2021. Exploring Program Administrator Technology Views and Use in Support of Informal Maker Education. *2021 CRA-WP Grad Cohort for Women* (online).
- [13] McDonald, N., Stamato, L., Bouhmad, A., Moulton, A., Coy, A., and **Hamidi, F.** Private Alternatives: Community Mesh Internet During COVID-19. *Privacy and Pandemics: Responsible Uses of Technology and Health Data During Times of Crisis – An International Tech and Data Conference*. October 2020 (online).
- [14] Stamato, L., and **Hamidi, F.** Encountering Challenges, Drawing on Assets: Exploring Alternatives in Maker-Based Learning Programs for Youth in an Underserved Urban Setting. *From Needs to Strengths: Operationalizing an Assets-Based Design of Technology*. October 2020 (online).
- [15] **Hamidi, F.**, Massey, A., Easley, W., Mentis, H., and Hurst, A. Facilitating Privacy Conversations with Vulnerable Populations. *Workshop on Privacy and Power: Acknowledging the Importance of Privacy Research and Design for Vulnerable Populations*. April 2020 (online).
- [16] **Hamidi, F.**, Poneris, K., Massey, A., and Hurst, A. Perspectives of People with Essential Tremors on the Privacy of Adaptive Assistive Technologies. *Workshop on AI Fairness for People with Disabilities*. Pittsburgh, PA, USA, October 2019.
- [17] **Hamidi, F.** Using an Assistive Technology Prototyping Platform to Teach Human-Centered Computing. Provost's Teaching & Learning Symposium, UMBC, September 2019.
- [18] **Hamidi, F.**, Poneris, K., Massey, A., and Hurst, A. The User Privacy of Adaptive Assistive Technologies. *3rd Workshop on Inclusive Privacy and Security*. Baltimore, MD, USA, August 2018.

- [19] Scheuerman, M., **Hamidi, F.**, and Branham, S. (Ab)user-Centered Design? Considering the Involvement of Abusive Users in the Design Process. *Understanding "Bad Actors" Online*. Montreal, Canada, April 2018.
- [20] **Hamidi, F.** Universal Design: An Intercultural Perspective. *Accessing Higher Ground Conference*. Westminster, CO, USA, November 2017.
- [21] **Hamidi, F.**, Saenz, K., and Baljko, M. The Silent Language of Materials: Gender, E-Textiles and Mayan Weaving. *HCI across Borders Symposium (HCIxB)*, Denver, CO, May 2017.
- [22] **Hamidi, F.**, Saenz, K., and Baljko, M. Echoes of Diversity: Using Making for Empowerment and Learning. *MX Design Conference*, Mexico City, Mexico, October 2015.
- [23] **Hamidi, F.**, Mbullo, P., Hynes, M., Baljko, M., and McGrath, S., Digital Assistive Technology and Assistive Technology in Kenya: Potentials. *Medicine and Marginality Workshop*, Kisumu, Kenya, December 2014.
- [24] **Hamidi, F.**, and Baljko, M. Empowerment Through Interaction: A Living Media Interface for Children with Disabilities. Paper presented at the 2014 Interaction Design for Children with Disabilities Workshop (IDCD'14), June 2014.
- [25] **Hamidi, F.** and Baljko, M. Automatic Speech Recognition: A Shifted Role in Early Speech Intervention. *Proceedings of the 4th Workshop on Speech and Language Processing for Assistive Technologies (SPLAT'13)*, 55-61, 2013.
- [26] **Hamidi, F.**, and Baljko, M. A Reverse-Huffman Algorithm for Text Entry Interface Evaluation. Paper presented at the CHI 2012 Workshop on Designing and Evaluating Text Entry Methods. Austin, Texas, May 2012.
- [27] **Hamidi, F.**, Spalteholz, L., and Livingston, N. Web-Speak: A Customizable Speech-Based Web Navigation Interface for People with Disabilities. Paper presented at the 23rd Annual International Technology & Persons with Disabilities Conference (CSUN'08), Northridge, California, March 2008.

Technical Reports

- [1] Gomez-Gonzalez, I. M., Castro-Garcia, J. A., Merino-Monge, M., Sanchez-Anton, G., **Hamidi, F.**, Mendoza-Sagrera, A., Molina-Cantero, A. J. Emotional State Measurement Trial (EMOPROEXE): A Protocol for Promoting Exercise in Adult and Children with Cerebral Palsy. Preprints 2024, 2024011607. <https://doi.org/10.20944/preprints202401.1607.v1>
- [2] Matychak, X., **Hamidi, F.**, Coy, A. An Approach to Digital Equity that Leverages Social and Technical Capital: Recommendations for Community Anchor Institutions. White Paper by Digital Harbor Foundation, Baltimore, MD, June 2023.

- [3] Future of Privacy Forum. NSF Convergence Accelerator - Privacy and Pandemics: Responsible Use of Data During Times of Crisis, October 2020.
- [4] **Hamidi, F.** and Dorji, T. C. E-Work in Bhutan: Redefining Employment. Technical Report, Thimphu, Bhutan, May 2013.
- [5] **Hamidi, F.** Digital Tangible Games for Speech Intervention. Technical Report (CSE-2012-02), York University, Toronto, March 2012.

Online Publications

- [1] Hamidi, F., Branham, S. **The Diversity and Inclusion Lunch at the 2019 ACM C&C/DIS Conferences.** August 2019. <https://medium.com/@fhamidi/the-diversity-and-inclusion-lunch-at-the-2019-acm-c-c-dis-conferences-318f0ccc9f37>
- [2] Scheuerman, M. Spiel, K., Haimson, O., Hamidi, F., Branham, S. **HCI Guidelines for Gender Equity and Inclusivity.** May 2019. <https://www.morgan-klaus.com/gender-guidelines.html>
- [3] Hamidi, F. **CanSpeak: Co-Designing a Customizable Speech Interface for Computer Access.** *Enables.me*, December 2015. <http://enables.me/canspeak-codesigning-a-customizable-speech-interface/>

Press and Blog Mentions

- [1] UMBC Magazine Stories. 2024. **Improving Campus Accessibility for All.** <https://umbc.edu/stories/putting-umbc-research-on-the-map/>
- [2] YFile. 2024. **Creating accessibility through both research and training.** <https://yfile.news.yorku.ca/2024/02/22/creating-accessibility-through-both-research-and-training/>
- [3] UMBC Magazine. 2023. **Found in Translation.** <https://umbc.edu/stories/researchers-artists-open-to-interpretation/>
- [4] UMBC Magazine. 2023. **Mapping a Movement.** <https://umbc.edu/stories/researchers-artists-open-to-interpretation/>
- [5] Hyperallergic. 2023. **Hip Hop and the Machine.** <https://hyperallergic.com/806083/hip-hop-and-the-machine-rap-reaserch-lab-tahir-hemphill/>
- [6] Baltimore Fishbowl. 2023. **BmoreArt's Picks: February 21 – February 27.** <https://baltimorefishbowl.com/stories/bmorearts-picks-february-21-27/>
- [7] Baltimore Fishbowl. 2023. **BmoreArt's Picks: January 31 – February 6.** <https://baltimorefishbowl.com/stories/bmorearts-picks-january-31-february-6/>
- [8] Retrieving the Social Sciences Podcast. 2022. **Ep.32: The Social Science of Recreation and Aging w/Dr. Candace Brown.** <https://socialscience.umbc.edu/podcast/>
- [9] The Rolla Daily News. 2021. **Starkloff Disability Institute to host 7th Universal Design Summit.**

- <https://www.therolladailynews.com/story/news/2021/08/17/starkloff-disability-institute-host-7th-universal-design-summit/8172194002/>
- [10]UMBC News. 2021. **UMBC celebrates 25th Undergraduate Research and Creative Achievement Day with an expanded global audience.**
<https://news.umbc.edu/umbc-celebrates-the-25th-undergraduate-research-and-creative-achievement-day-with-an-expanded-global-audience/>
- [11]UMBC News. 2020. **UMBC's newest computing grads, from bachelor's to Ph.D., share stories of connection, support, opportunity.** <https://news.umbc.edu/umbcs-newest-computing-grads-from-bachelors-to-ph-d-share-stories-of-connection-support-opportunity/>
- [12]Technical.ly. 2020. **'I went from sad to happy': Project Waves connected this Baltimore resident to community-based internet.**
<https://technical.ly/baltimore/2020/12/17/project-waves-resident/>
- [13]Technical.ly. 2020. **Project Waves will provide internet to 250 Baltimore households in 2021.** <https://technical.ly/baltimore/2020/12/02/project-waves-nsf-grant/>
- [14]South Pittsburgh Reporter. 2020. **Pittsburgh joins Baltimore to address digital divide.** <https://www.sopghreporter.com/story/2020/11/11/news/pittsburgh-joins-baltimore-to-address-digital-divide/20976.html>
- [15]Technical.ly. 2020. **Digital Harbor Foundation, UMBC win \$1.5M grant to grow youth tech programming in Baltimore, Pittsburgh rec centers.**
<https://technical.ly/baltimore/2020/11/05/rec-tech-digital-harbor-foundation-pittsburgh/>
- [16]UMBC News. 2020. **News Rankings Honor UMBC Strengths in Teaching, Innovation, and Inclusion.** <https://news.umbc.edu/bestcolleges2021/>
- [17]WYPR On the Record (Radio Interview). **Surfing the Net with Project Waves.** 2020.
<https://www.wypr.org/post/surfing-net-project-waves>
- [18]UMBC News. **UMBC's Foad Hamidi receives NSF RAPID grant to expand free, secure internet access in Baltimore during COVID-19 and beyond.** 2020.
<https://news.umbc.edu/umbcs-foad-hamidi-receives-nsf-rapid-grant-to-expand-free-secure-internet-access-in-baltimore-during-covid-19-and-beyond/>
- [19]UMBC News. **Wearable sensors and infrared cameras: Introducing UMBC's User Studies Lab.** 2020. <https://news.umbc.edu/wearable-sensors-and-infrared-cameras-introducing-umbcs-user-studies-lab/>
- [20]Anderton, K. **DIY assistive technology prototypes can help people with disabilities to communicate.** 2020. <https://www.news-medical.net/news/20200211/DIY-assistive-technology-prototypes-can-help-people-with-disabilities-to-communicate.aspx>
- [21]TechXplore. **DIY tools TalkBox and SenseBox help people with disabilities to communicate.** 2020. <https://www.news-medical.net/news/20200211/DIY-assistive-technology-prototypes-can-help-people-with-disabilities-to-communicate.aspx>

- [22]Diário da Saúde. **Tecnologias assistivas do tipo Faça Você Mesmo**. 2020. <https://www.diariodasaude.com.br/news.php?article=tecnologias-assistivas-faca-voce-mesmo&id=14010>
- [23]Zepp, M. **DIY tools TalkBox and SenseBox help people with disabilities to communicate**. 2020. https://www.eurekaalert.org/pub_releases/2020-02/uomb-dtt021120.php
- [24]Wenger, Y. **Movement aims to make Baltimore the 'city that codes' — and it's starting young**. 2018. The Baltimore Sun (Online). <https://www.baltimoresun.com/education/bs-md-baltimore-digital-coders-20181026-story.html>
- [25]Haimson, O. **Gender Inclusivity at SIGCHI**. 2018. <https://medium.com/@haimson/gender-inclusivity-at-sigchi-b1cbee213faf>
- [26]ACM CSCW Blog. **Safe Spaces and Safe Places: Unpacking Technology-Mediated Experiences of Safety and Harm with Transgender People**. 2018. <https://link.medium.com/qTEkoLmmGR>
- [27]UMBC Magazine. **Ideas Illuminated at 2018 Light City**. 2018. <https://magazine.umbc.edu/ideas-illuminated-at-2018-light-city/>
- [28]Radio Österreich 1 (Ö1). **Radiokolleg - Naturvergessenheit** (Audio Interview), 2018. <http://oe1.orf.at/programm/20180215/506630>
- [29]Ars Electronica. **Future Innovators Summit** (Video), 2018. <https://www.aec.at/ai/en/fis/> & <https://www.youtube.com/watch?v=NYE5gbkQtdc>
- [30]La Informacion. **Researchers from the University of Seville develop new technologies that improve the quality of life for the disabled** (in Spanish), 2016 <http://politahumming.blogspot.mx/2015/10/foad-hamidi-digital-design-for-social.html>
- [31]Polita. **Foad Hamidi, Digital Design for Social Good @ IBERO**, 2015. <http://shr.gs/wkQ5ejF>
- [32]Lassonde School of Engineering news. **Lassonde Talkbox team wins top prize at Toronto Maker Faire**. 2014. <http://eecs.lassonde.yorku.ca/news/lassonde-talkbox-team-wins-top-prize-at-toronto-maker-faire/>
- [33]Lassonde School of Engineering news. **Lassonde Students Engineer Magic on a Global Stage**. 2014. <http://lassonde.yorku.ca/articles/lassonde-students-engineer-magic-global-stage>
- [34]less stuff:: more design. **Design & Emotion**. 2014. <http://lessstuffmoredesign.blogspot.com/>
- [35]Chester, K. **A Bhutan tech primer: early signs of startups and e-commerce**. 2013. <https://www.techinasia.com/bhutan-tech-startups-ecommerce-primer>

[36]Dorji, S. **Talk by Mr. Foad Hamidi**, 2013.

http://sonamdorji505.blogspot.com/2013/05/talk-by-mr-foad-hamidi_10.html

[37]Tollefsen, M. **Sound Control of the PC**. 2011. <http://medialt.no/news/en-US/sound-control-of-the-pc-summary-from-the-pilot-project/732.aspx>

Research Grants

External Grants

Awarded - Active

NSF AISL: “Rec-to-Tech: Understanding the Role of Rec Center Educators in Creating Maker-based Technology and Computer Science Learning Hubs for Urban Youth”, UMBC PI: Foad Hamidi (\$320,346; collaborative proposal with DHF, PI: Andrew Coy – total award \$1,497,816)

Awarded – Completed

NSF RAPID: “Responding to COVID-19 using High-speed Mesh Wireless Community Internet”, UMBC PI: Foad Hamidi (\$57,052; collaborative proposal with DHF, PI: Andrew Coy – total award \$168,367)

NSF RAPID – REU Supplement: “Responding to COVID-19 using High-speed Mesh Wireless Community Internet”, UMBC PI: Foad Hamidi (\$7,776)

NSF MAKER: “Making Opportunities for Baltimore Inner City Youth in a 3D Print Shop”, PI: Foad Hamidi, PI transferred from Amy Hurst, 2018 (\$308,425)

SIGCHI Development Grant: “Diversity and Inclusion Lunch at the 2019 ACM C&C/DIS Conferences”, PI: Foad Hamidi, 2019 (\$5,107)

NSF EAGER: MAKER: “Rec2Tech: Scaling Informal Technology Education through Makerspaces”, PI: Andrew Coy, Co-PI: Foad Hamidi, 2017 (\$249,960)

AccessEngineering Minigrant, DO-IT Program, University of Washington, 2017 (\$1000)

University of Seville’s visiting researcher grant, 2014 (\$1000)

Internal Grants - UMBC

COEIT Interdisciplinary Proposal (CIP) Award (with Lara Martin), 2024 (\$20,000)

Summer Research Faculty Fellowship (SURFF), 2024 (\$8,000)

IRC Faculty Research Fellowship (IRC-FRF) (with Linda Dusman), 2022 (\$24,000)

Internal Grants - York University

Fieldwork Cost Fund, 2014 (\$500)

Graduate Development Fund, 2014 (\$500)

ACM TEI’12 Student Design Challenge Travel Grant, 2012 (\$3,000)

Foad Hamidi

Graduate Development Fund, 2013 (\$500)

Faculty of Graduate Studies Bursary, 2009

York Graduate Scholarship, 2009

Faculty of Graduate Studies Bursary, 2006

ACM ASSETS'09 Doctoral Consortium Travel Grant, 2009

CUPE MA Bursary, 2006

Student Grants

Erin Higgins, AccessComputing Minigrant, DO-IT Program, University of Washington, 2024 (\$1,200)

Lydia Stamato (Student Fellow), Foad Hamidi (Faculty Research Advisor) – Baltimore Field School 2.0, 2023 (\$1,500)

Erin Higgins (Student Fellow), Foad Hamidi (Faculty Research Advisor) – Generation Google Scholarship, 2022 (\$20,000)

Ousmane Diope (Student Fellow), Foad Hamidi (Faculty Research Advisor) – McNair Scholars Research Institute, 2022 (\$2,800)

Zulekha Karachiwalla (Student Fellow), Foad Hamidi (Faculty Research Advisor) – UMBC Travel Award, 2022 (\$750)

Zulekha Karachiwalla (Student Fellow), Foad Hamidi (Faculty Research Advisor) – Undergraduate Research Award (URA), 2021 (\$1000)

Zulekha Karachiwalla (Student Fellow), Foad Hamidi (Faculty Research Advisor) – Undergraduate Research Award (URA), 2020 (\$1000)

Mikhail Dorfman (Student Fellow), Foad Hamidi (Faculty Research Advisor) – Undergraduate Research Award (URA), 2019 (\$600)

Fayokemi Ojo (Student Fellow), Foad Hamidi (Faculty Research Advisor) - McNair Scholars Spring Research Institute (SRI) Fellowship, 2019 (\$2800)

Fayokemi Ojo (Student Fellow), Foad Hamidi (Faculty Research Advisor) - The University System of Maryland's Louis Stokes Alliance for Minority Participation (USM LSAMP) Fellowship, 2019 (\$1500)

Invited Keynotes, Talks and Symposia

Keynotes

Hamidi, F. **Co-designing Accessible Futures: Inclusive Assistive Technology Design Approaches**. Invited keynote at the Universal Design Summit, Starkloff Disability Institute, Virtual, September 2021.

Hamidi, F. **Participatory Design for Emerging Technologies.** Invited keynote at the First Workshop on Multi-Cultural Human-Robot Interaction, AfriCHI'18, Windhoek, Namibia, December 2018.

Talks

Hamidi, F. **Creating Ecosystems of Equitable Learning and Innovation.** Talk at COEIT Research Day, Baltimore, MD, April 2024.

Hamidi, F. **Climate Change and Migration.** Talk at the University of Washington (remote), Seattle, WA, January 2024.

Hamidi, F. **Investigating Transdisciplinary Approaches for Community-engagement.** Talk at Georgia Tech, Atlanta, GA, November 2023.

Hamidi, F. **Community-based Participatory Design Investigating Emerging Technologies.** Talk at HCIL, University of Maryland, College Park, MD, November 2023.

Hamidi, F. **Participatory Approaches for Technology-rich Learning Across Generations.** Talk at Design Forge 2023, Elon University, Elon, NC, March 2023.

Hamidi, F. **Interactive Systems Research Center (ISRC).** Talk at IS Research Spotlight Day, November 2022.

Hamidi, F. **“I’m Ok Because I’m Alive”: Understanding Socio-cultural Accessibility Barriers for Refugees with Disabilities in the US.** Online partner talk at AccessComputing, October 2022.

Hamidi, F. **Supporting Empowerment and Mitigating Harm through Participatory Approaches to Assistive Technology Design.** Invited talk at the University of Aalborg, Denmark, May 2022.

Hamidi, F. **Towards Participatory Living Media Interfaces.** Invited talk (ABRA Soft Robotics and Sustainability Workshop) at the University of Aalborg, Denmark, May 2022. (included in ABRA’s course guide, shared with students in four European countries)

Hamidi, F. **Participatory Approaches for Inclusivity and Equity in HCI.** Invited talk at the University of California, Merced, September 2021.

Hamidi, F. **Towards Participatory Living Media Interfaces.** *Artificial Biology, Robotics and Art* – University of Aalborg, Denmark, June 2021.

Coy, A., Bouhmad, A., Hamidi, F. **Responding to COVID-19 with Community Internet.** *2021 NSF Smart & Connected Communities PI Meeting Virtual Conference (S&CC'21).* Virtual talk, April 2021.

Hamidi, F. **Hiding in Plain Sight: Art as Resilience.** Invited talk at the University of Toronto, February 2021.

Hamidi, F. **Responding to COVID-19 with Community Internet.** COVID Information Commons Research Webinar, December 2020.

Hamidi, F. **Community-based Participatory Design: Creating, learning and innovating together.** Seminar at Information Systems Department, UMBC, December 2020.

Hamidi, F. **Rafigh: A Living Media Interface.** Lightening Talk at BioSummit 4.0, October 2020.

Hamidi, F. **Designing Participatory Futures.** Online partner talk at AccessComputing, July 2020.

Hamidi, F. **Community-Engaged Innovation: Co-Designing Emerging Technologies with Diverse Stakeholders.** Invited Webinar at the International Federation of Engineering Education Societies (IFEES), June 2020.

Hamidi, F. **Designing Participatory Futures.** Invited talk at the Currents speaker series, Dresher Center, UMBC, Baltimore, MD, USA, April 2020.

Hamidi, F. **Participatory Design of Emerging Technologies.** Invited talk at University of Michigan, Ann Arbor, Michigan, USA, December 2019.

Hamidi, F. **Participatory Design of Emerging Technologies.** Invited talk at New York University (NYU), New York, New York, USA, July 2019.

Hamidi, F. **Participatory Design of DIY Digital Assistive Technology in Western Kenya.** Invited talk at Northwestern University, Chicago, USA, February 2019.

Hamidi, F. **Participatory Design for Inclusion and Empowerment.** Invited talk at Virginia Tech, Blacksburg, USA, November 2018.

Hamidi, F. **Participatory Design for Inclusion and Empowerment.** Invited talk at James Madison University, Harrisonburg, USA, November 2018.

Hamidi, F. **Incorporating Stakeholder Perspectives When Designing Digital Systems.** Invited talk at the University of Toronto, Toronto, Canada, August 2018.

Hamidi, F. **Universal Making: Do-it-Yourself Assistive Technology.** Invited Ignite Talk at the 2018 Nation of Makers (NOMCON) Conference, Santa Fe, USA, June 2018.

Hamidi, F. **Transcending Invisible Lines.** Invited talk at the 2018 Labs @ Light City, Baltimore, USA, April 2018.

Hamidi, F. **Motivating User Agency through Caring and Acting.** Invited talk at the University of Maryland, College Park, Baltimore, USA, October 2017.

Hamidi, F. **Of Mushrooms and Alebrijes: Using Digital Media for Engagement and Participation.** Invited talk at the University of Maryland, Baltimore County, Baltimore, USA, August 2016.

Hamidi, F. **Digital Design for Social Good.** Invited talk at the Universidad Iberoamericana Ciudad de México, Mexico City, Mexico, October 2015.

Hamidi, F., Mbullo, P., Baljko, McGrath, S., M., and Hynes, M. **Community University Partnerships to Build Participatory Digital Assistive Technology Solutions in Kenya.** Society for the Advancement of Science in Africa Conference, Toronto, Canada, August 2015.

Hamidi, F. **Design Diversity: Co-Design for Inclusion and Empowerment.** Subtle Technologies, Toronto, Canada, May 2014.

Hamidi, F. **Technology and Happiness.** Invited talk at the Universidad Iberoamericana Ciudad de México, Mexico City, Mexico, November 2013.

Baljko, M. and Hamidi, F. **Knowledge Co-Creation and Assistive Technology.** Presentation at the York Symposium on the Scholarship of Engagement, York University, Toronto, October 2013.

Hamidi, F. **Technology and Happiness.** Invited talk at Electronic Technology Department, University of Seville, Seville, Spain, August 2013.

Hamidi, F. **Technology and Happiness.** Invited talk at Bhutan Media Lab, Thimphu, Bhutan, May 2013.

Hamidi, F. **Technology and Happiness.** Invited talk at Royal Thimphu College, May 2013, Thimphu, Bhutan.

Hamidi, F. **Technology for Empowerment and Inclusion.** Invited talk at the University of Siegen. July 2012, Siegen, Germany.

Hamidi, F., and Amiri, S. **Digital Activism: Technology, Empowerment and Awareness.** Invited talk at Beit Zatoun, January 2012, Toronto, Ontario.

Hamidi, F. **Synchrom: A Collaborative Game.** Demo-talk at Maker Kids Toronto, November 2012, Toronto, Ontario.

Symposia

Foad Hamidi

Computer Research Association (CRA) Career Mentoring Workshop, Washington, DC, February 2022

Sound Studies Symposium, UMBC, April 2021

Consortium for the Science of Sociotechnical Systems Research (CSST) Summer Institute Fellow, New Brunswick, NJ, June 2019

Future Innovators Summit, Ars Electronica 2017, Linz, Austria, September 2017

Early Career Development Symposium, International Conference on Human Factors in Computing Systems (CHI'17), Denver, CO, May 2017

AccessEngineering Capacity Building Institute (CBI), Seattle, WA, April 2017

Panels

Baltimore Community Efforts Toward Sociotechnical Justice, Northeast Digital Equity Summit, Virtual, September 2023

LSAMP Summer Research Fellowship Professional Development Seminar: Exploring Different Career Pathways in STEM – Faculty, Virtual, July 2023

UMBC FDC Revitalizing Class Discussion Panel (led to creation of Faculty-to-Faculty tipsheet), Virtual, September 2022

Baltimore Community Leadership Toward Sociotechnical Justice, ASEE'23, Baltimore, MD, June 2023

Infinite Transformations: Multimedia Explorations of Embodied Persian Poetry, International Education Week, UMBC, November 2022

Interdisciplinary Research Panel, UMBC IS Research Spotlight Day, UMBC, November 2022

UMBC FDC Revitalizing Class Discussion Panel (led to creation of Faculty-to-Faculty tipsheet), Virtual, September 2022

UMBC Exploring Your Options: What does Research Look Like in COEIT? Virtual, August 2022

Making with Purpose Panel, Making and Makerspaces in Electrical and Computer Engineering Education Workshop, ECEDHA Conference, New Orleans, LA, March 2022

UMBC Information Systems NSF CAREER Awardees' Panel, Virtual, February 2022

BioSummit 5.0: Constructing Community Bio: Diverse Perspectives on Community Building for Teaching and Learning, Virtual, November 2021

UMBC Center for Innovation, Research, and Creativity in the Arts presents Tahir Hemphill, Virtual, November 2021

NSF AISL PI meeting: Challenges and Opportunities in working WITH vs. FOR communities and audiences, Virtual, October 2021

NSF S&CC PI meeting: Responding to the COVID-19 Pandemic – S&CC RAPID Awards, Virtual, October 2021

UMBC Pandemic Preparedness Research in Information Systems, Virtual, November 2020

UMBC New Faculty Welcome Panel, Virtual, August 2020

Teaching Experience

Courses - Graduate

Human-Centered Computing Seminar (HCC810). Faculty Facilitator, University of Maryland, Baltimore County, Spring 2024

Human-Centered Computing Seminar (HCC810). Faculty Facilitator, University of Maryland, Baltimore County, Fall 2023

Special Topics in HCI – Participatory Design and Community Engagement (IS698). Instructor, University of Maryland, Baltimore County, Fall 2023

Human-Centered Computing Seminar (HCC810). Faculty Facilitator, University of Maryland, Baltimore County, Fall 2022

Human-Computer Interaction (HCC760). Instructor, University of Maryland, Baltimore County, Fall 2022

Human-Computer Interaction (HCC760). Instructor, University of Maryland, Baltimore County, Fall 2021

Human-Centered Computing Seminar (HCC810). Faculty Facilitator, University of Maryland, Baltimore County, Fall 2021

User Interfaces Prototyping and Development (HCC613). Instructor, University of Maryland, Baltimore County, Spring 2021

Human-Computer Interaction (HCC760). Instructor, University of Maryland, Baltimore County, Fall 2020

Human-Centered Computing Seminar (HCC810). Faculty Facilitator, University of Maryland, Baltimore County, Spring 2020

Human-Centered Computing Seminar (HCC810). Faculty Facilitator, University of Maryland, Baltimore County, Fall 2020

User Interfaces Prototyping and Development (HCC613). Instructor, University of Maryland, Baltimore County, Spring 2020

Human-Computer Interaction (HCC760). Instructor, University of Maryland, Baltimore County, Fall 2019

User Interfaces Prototyping and Development (HCC613). Instructor, University of Maryland, Baltimore County, Spring 2019

Human-Centered Computing Seminar (HCC810). Faculty Facilitator, University of Maryland, Baltimore County, Spring & Fall 2017, Spring 2018, Spring 2019, Fall 2019

Courses - Undergraduate

Fundamentals of Human-Computer Interaction (IS303). Instructor, University of Maryland, Baltimore County, Spring 2024

Fundamentals of Human-Computer Interaction (IS303). Instructor, University of Maryland, Baltimore County, Fall 2022

Fundamentals of Human-Computer Interaction (IS303). Instructor, University of Maryland, Baltimore County, Fall 2021

Fundamentals of Human-Computer Interaction (IS303). Co-Instructor, University of Maryland, Baltimore County, Fall 2017

Introduction to the Theory of Computation (CSE2001). Teaching Assistant, York University, Toronto, Summer 2014

Building Interactive Systems (CSE1720). Teaching Assistant, York University, Toronto, Winter 2014 & Winter 2013

User Interfaces (CSE3461). Teaching Assistant, York University, Toronto, Fall 2013 & Fall 2012

Software Design (CSE3311). Teaching Assistant, York University, Toronto, Fall 2013

Design and Analysis of Algorithms (CSE3101). Teaching Assistant, York University, Toronto, Winter 2013, Fall & Summer 2012

Hypermedia and Multimedia Technology (CSE4461). Course Director, York University, Toronto, Winter 2012

Guest Lectures

Understanding Socio-cultural Accessibility Barriers for People with Disabilities in Kenya (HCC729) – Spring 2023

Community engagement in Baltimore City – UMBC Fika internal talk – Spring 2023

Understanding Socio-cultural Accessibility Barriers for Refugees with Disabilities in the US (IS 698/800) – Spring 2023

Community-based Participatory Design (Grand Challenges Scholars, UMBC) – Spring 2022

Inclusive Making (EECS397, 497) – Spring 2019

Fundamentals of Human-Computer Interaction (IS303) – Spring 2018

Developing Interfaces for Rehabilitation (HCC742) – Spring 2018

Fundamentals of Human-Centered Computing (HCC629) – Fall 2017

Developing Interfaces for Rehabilitation (HCC742) – Fall 2017

Fundamentals of Human-Computer Interaction (IS303) – Spring 2017

User Interface Prototyping and Development (HCC613) – Spring 2017

Academic Workshops

Hamidi, F., Hemphill, T., Higgins, E. Irington, J. **Rap Research Lab: Maximum Distance, Minimum Displacement - Robot Arm Demonstration.** Collaborative workshop at DARE Lab, Baltimore, February 2023.

Hynie, M., Korntheuer, A., Hamidi, F. **Collaborative approaches to resettlement challenges for refugees living with disabilities. Transdisciplinary World Café with the Now! Advocacy Group Crossroads/Handicap International.** Workshop at Metropolis Conference, Berlin, September 2022.

Hamidi, F. **Community-based Participatory Design.** Online workshop at Arizona State University (ASU), February 2021.

Hamidi, F. **Pandemic Preparedness Research in Information Systems Departmental Research Showcase,** UMBC, November 2020.

Hamidi, F., Stamato, L., Lopez, K., Wright, R., Laguna, D. **Impact Workshop - Community-Engaged Research and Responding to COVID-19 with Community Mesh Internet.** Center for Women in Technology (CWIT), UMBC, November 2020.

Whitmer, B., Schmidt, R., Young, T., Hamidi, F., Rezai, P., Ardeshiri, R. and Leung, J. **Lassonde Technology Faire – 3D Printing Workshops.** Youth workshops organized by CIVDDD - ICTC, York University, Toronto, April 2014.

Hamidi, F. and Whitmer, B. **Digital Design.** Youth workshop organized by CIVDDD - ICTC, York University, Toronto, Canada, November 2013.

Hamidi, F., and Baljko, M. **Assistive Technology Research - Community Partnerships.** Workshop at the 13th International Conference on Computers Helping People with Special Needs (ICCHP'12), Linz, Austria, July 2012.

Community-Engaged Workshops

Hamidi, F., Mbullo, P., Hynie, M., McGrath, S., and Baljko, M. **Fabrication-Lab-in-a-Kit (FLiK) Workshop**. Kisumu, Kenya, June 2019.

Hamidi, F., Hynie, M., McGrath, S., Mbullo, P., Onyango, D., Oracha, P., and Baljko, M. **DIY-AT Community Building Workshop Facilitator Training**. Kisumu, Kenya, June 2017.

Baljko, M., Feraday, R., Hamidi, F., Kunic, T., Haworth, B., and Boeva, Y. **TalkMake: Making your own TalkBox Workshop**. Toronto Mini Maker Faire, Toronto, November 2014.

Mbullo, P., Hynes, M., McGrath, S., and Hamidi, F. **Partners in Transformation: Stakeholders Consultative Forum**. Kisumu, Kenya, June 2014.

Hamidi, F., Saenz, K. and Saenz, M. **Collaborative Digital Design Workshop**. Workshop in collaboration with Kopalli Arte Publico, Oaxaca, Mexico, June 2014.

Hamidi, F., Saenz, K. and Saenz, M. **Collaborative Digital Design Workshop**. Workshop in collaboration with Kopalli Arte Publico, Oaxaca, Mexico, November 2013.

Hamidi, F. and Baljko, M. **Collaborative MakeShop Sessions: Critical Maker Workshops**. York University, Toronto, September-December 2013.

Hamidi, F. **Effective Communication**. Workshop at Bhutan Innovation & Technology Centre, Thimphu, Bhutan, April 2013.

Public Engagements and Demonstrations

DARE Lab and ISRC Tours, PhD Open House, UMBC, 2024

ISRC & DARE Lab Tour, Queen Anne's County 8th Grade Student Visit, UMBC, 2024

ISRC & DARE Lab Tour, CWIT Bites & Bytes Day, UMBC, 2024

ISRC and DARE Lab Tours, COEIT (150 participants), UMBC, 2024

ISRC and DARE Lab Tours, COMP101 (6 tours), UMBC, 2023

ISRC and DARE Lab Tours, IS Welcome Week Reception, UMBC, 2023

ISRC and DARE Lab Tours, Computing and Engineering Transfer Institute, UMBC, 2023

ISRC and DARE Lab Tours, Research Experiences for Undergraduates (REUs) in Smart Computing and Communications, UMBC, 2023

ISRC and DARE Lab Tours (4 Tours), Summer Enrichment Academy, UMBC Institute for Extended Learning, UMBC, 2023

DARE Lab Tour, STARS Computing Corps, UMBC, 2023

DARE Lab and ISRC Tours, PhD Open House, UMBC, 2023
 DARE Lab Tour, CWIT Bites & Bytes Day, UMBC, 2023
 DARE Lab Tour, Open World DEIA Georgian Delegation Visit, UMBC, 2023
 Baltimore UnderGround Science Space (BUGSS), Project Presentation, Baltimore, 2022
 DARE Lab Tour, CWIT Bites & Bytes Day, UMBC, 2022
 Baltimore UX Meetup, Baltimore, 2019
 MDTAP TA Talks & Tours, MDTAP, 2019
 PAD Lab tour, CWIT Bites & Bytes Day, UMBC, 2019
 Capitol Hill Maker Faire, Washington DC, 2018
 PAD Lab tour, Creative Coders, UMBC, 2017
 PAD Lab tour, 2nd Annual Career Explorations in Computing, UMBC, 2017
 ISRC table, Gadgets & Gears Day, Maryland Science Center, 2017
 PAD Lab tour, National Center for Women & Information Technology, 2017
 GaMaY Lab presentation, Toronto Mini Maker Faire, Toronto Public Library, 2014

Research Mentoring

Postdoctoral Fellows

Tahir Hemphill, UMBC, 2021 (with Lee Boot, Lisa Moren, Linda Dusman)
 Nora McDonald, UMBC, 2020 (with Helena Mentis)

Graduate Students

PhD Dissertation Advisor

Marie Sakowicz, Human-centered Computing, UMBC, expected completion 2027
 Kirk Crawford, Human-centered Computing, UMBC, expected completion 2026
 Hasan Mahmud Prottoy, Human-centered Computing, UMBC, expected completion 2025
 Erin Higgins, Human-centered Computing, UMBC, expected completion 2025
 Lydia Stamato, Human-centered Computing, UMBC, expected completion 2024
 William B. Easley, Human-centered Computing, UMBC, 2020 (co-advised with Dr. Helena Mentis) – Dissertation Title: “Understanding and Supporting Collaboration Between Youth in Technical Workplaces” (Completed)

PhD Dissertation Examination Committee Member

Elmira Deldari, Human-centered Computing, UMBC, 2023-

Foad Hamidi

S. Nisa Asgarali-Hoffman, Information Studies, University of Maryland, College Park, 2023-

Yi Xuan (Wendy) Khoo, Human-centered Computing, UMBC, 2023-

Akiri Surely, Human-centered Computing, UMBC, 2023-

Evelyn Kempe, Information Systems, UMBC, 2024 (Completed)

Adegboyega Akinsiku, Human-centered Computing, UMBC, 2023 (Completed)

Iman Alshathri, Human-centered Computing, UMBC, 2023 (Completed)

Azin Semsar, Human-centered Computing, UMBC, 2022 (Completed)

Gabrielle Salib, Human-centered Computing, Drexel University, 2022 (Completed)

Hirak Ray, Human-centered Computing, UMBC, 2022 (Completed)

Flynn Wolf, Human-centered Computing, UMBC, 2021 (Completed)

Ali Abdolrahmani, Human-centered Computing, UMBC, 2021 (Completed)

MFA Examination Committee Member

Ghazal Mojtahedi, Intermedia and Digital Arts, UMBC, 2024-

PhD Comprehensive Examination Committee Member

M Maughan, Information Systems, UMBC, 2022

Master's Thesis Advisor

Kellie Gable, Human-centered Computing, UMBC, 2018 (with Dr. Aaron Massey) – Thesis Title: “Exploring Older Adults’ Attitudes Towards Privacy of Adaptive Assistive Technologies” (Completed)

Morgan Scheurman, Human-centered Computing, UMBC, 2017 (with Dr. Stacy Branham) – Thesis Title: “Exploring Transgender Individuals’ Experience of Safety with Technology” (Completed)

Master's Thesis Examination Committee Member

Anirudh Nagraj, Human-centered Computing, UMBC, 2021 (Completed)

Lydia Stamato, Human-centered Computing, UMBC, 2020 (Completed)

Independent Studies

Brandon Ables, Human-centered Computing, UMBC, 2024 (Spring)

Marie Sakowicz, Human-centered Computing, UMBC, 2024 (Spring)

Marie Sakowicz, Human-centered Computing, UMBC, 2023 (Fall)

Erin Higgins, Human-centered Computing, UMBC, 2023 (Summer)

Lydia Stamato, Human-centered Computing, UMBC, 2023 (Summer)

Maria Lopez Delgado, Human-centered Computing, UMBC, 2023 (Spring)
Hasan Mahmud Prottoy, Human-centered Computing, UMBC, 2023 (Spring)
Marie Sakowicz, Human-centered Computing, UMBC, 2023 (Spring)
Kirk Crawford, Human-centered Computing, UMBC, 2023 (Spring)
Hasan Mahmud Prottoy, Human-centered Computing, UMBC, 2022 (Fall)
Quinlan Kimble-Brown, Human-centered Computing, UMBC, 2022 (Fall)
Hasan Mahmud Prottoy, Human-centered Computing, UMBC, 2022 (Fall)
Erin Higgins, Human-centered Computing, UMBC, 2022 (Fall)
Erin Higgins, Human-centered Computing, UMBC, 2022 (Summer)
Lydia Stamato, Human-centered Computing, UMBC, 2022 (Summer)
Erin Higgins, Human-centered Computing, UMBC, 2022 (Spring)
Hasan Mahmud Prottoy, Human-centered Computing, UMBC, 2022 (Spring)
Erin Higgins, Human-centered Computing, UMBC, 2021 (Fall)
Lydia Stamato, Human-centered Computing, UMBC, 2021 (Spring)
Yi Xuan Khoo, Human-centered Computing, UMBC, 2021 (Spring)
Hasan Mahmud Prottoy, Human-centered Computing, UMBC, 2021 (Fall)
Tsion Kidane, Human-centered Computing, UMBC, 2021 (Spring)
Xinran Zhang, Human-centered Computing, UMBC, 2020 (Fall)
Nisa Asgarali-Hoffman, Human-centered Computing, UMBC, 2020 (Spring)
Emily Long, Human-centered Computing, UMBC, 2020 (Spring)
Jason Charney, Human-centered Computing, UMBC, 2019 (Fall)
Sruti Vijaykumar, Human-centered Computing, UMBC, 2019 (Fall)
Amy Freeman, Human-centered Computing, UMBC, 2019 (Fall)
Kellie Gable, Human-centered Computing, UMBC, 2018 (Spring)
Sanjay Kumar, Human-centered Computing, UMBC, 2017 (Fall)
Tejas Bhalariao, Human-centered Computing, UMBC, 2017 (Spring)

Research Projects

Yetunde Okueso, Information Systems, UMBC, 2021-2023
Jennifer Posada, Information Systems, UMBC, 2021-2023
Amina El-Ashry, Information Systems, UMBC, 2021-2023
Savani Sachin Shrooti, Human-centered Computing, UMBC, 2020

Serena Gyi, Human-centered Computing, UMBC, 2020-2022

Christopher Wong, Human-centered Computing, UMBC, 2017

Undergraduate Students

Undergraduate Research Supervision

Thomas K. Ajala, Laura Lachin, UMBC, 2023

Laura Lachin, Integrated Design and Media (Summer Research Intern), NYU, 2023

Robiniho Valdivia, Psychology, UMBC, 2023-

Jamie Iringan, Mechanical Engineering, UMBC, 2023

Zaria Oliver, Mechanical Engineering, UMBC, 2022-2023

Ousmane Diop, History, UMBC, 2022

Amina El-Ashry, Information Systems, UMBC, 2020-2021

Susanna Abler, Individualized Study Program, UMBC, 2019-2022

Rushaad Wright, Business Technology Administration, UMBC, 2020-2021 (Winner of COEIT Student Leadership Award)

Karina Brown-Lopez, Information Systems, UMBC, 2020-2021 (Winner of COEIT Student Leadership Award)

Daniel Laguna, Information Systems, UMBC, 2020-2021

Kai Wisner, Mechanical Engineering, UMBC, 2019-2020

Fayokemi Ojo, Computer Science and Engineering, UMBC, 2018-2019

Christian Ortega, Computer Engineering, Texas A&M University, 2017

Independent Studies

Amina El-Ashry, Computer Science, UMBC, 2021 (Spring)

Zulekha Karachiwalla, Computer Engineering, UMBC, 2020 (Spring)

Mikhail Dorfman, Mathematics, UMBC, 2019 (Spring)

Megha Kottapalli, Computer Science and Engineering, UMBC, 2017 (Fall)

Loryn Chen, Information Systems, UMBC, 2017 (Spring)

Li Yin, Lassonde School of Engineering, York University, 2016

Design Competition Supervision

Toni Kunic, Lassonde School of Engineering, York University, 2014

Chitiran Krishna Moorthy, Lassonde School of Engineering, York University, 2014

Sonal Ranjit, Lassonde School of Engineering, York University, 2014

Alexander Moakler, Digital Media, York University, 2012

Assaf Gadot, Digital Media, York University, 2012

Other Mentoring

Highschool Students

Ayan Paul, Centennial High School, 2022

Kayla Douglas, The Ingenuity Project, 2020

External Mentoring

Sintieh Nchinda Ngek Ekongefeyin, Mandela-Washington Fellowship for Young African Leaders, 2024

Prince Kudakwashe Madziwa, Mandela-Washington Fellowship for Young African Leaders, 2023

Supervised Student Presentations

Higgins, E. **Equitable and Accessible Informal Maker Education.** Talk at Clark University, Worcester, MA, 2024.

Higgins, E. **Community-based Research in Pittsburgh.** Talk at Carnegie Mellon University, Pittsburgh, PA, 2024.

Higgins, E. **Equitable and Accessible Community Makerspaces.** HCIC Symposium Boaster, Delavan, WI, 2024.

Ables, B. **An Autoethnographic Study of Using Peripheral Interaction to Enhance Research Dexterity.** COEIT Research Day Posters, UMBC, 2024. (Honorable Mention)

Pineda, M., Asave, R. R., Lopez-Delgado, M., Kuber, R., Hamidi, F. **Understanding How Community Programs Empower Blind and Low Vision Youth.** COEIT Research Day Posters, UMBC, 2024. (Honorable Mention)

Stamato, L., Hamidi, F. **Cultivating DNA Publics: Transdisciplinary Experimentation in a Community Science Space.** COEIT Research Day Posters, UMBC, 2024.

Higgins, E. **An Ecosystem of Tech-rich Learning in Informal Community Settings.** COEIT Research Day Posters, UMBC, 2024. (Honorable Mention)

Prottoy, H., M., Gyi, S., Hamidi, F. **Transcending Transit Deserts: Participatory Design of Interactive Bicycling Activism Tools in an American City.** COEIT Research Day Posters, UMBC, 2024.

Crawford, K., Posada, J., Okueso, Y., Higgins, E., Lachin, L. Hamidi, F. **Co-Designing a 3D-Printed Tactile Campus Map With Blind and Low-Vision University Students.** COEIT Research Day Posters, UMBC, 2024. (Honorable Mention)

Prottoy, H., M., Hamidi, F. **“It would have been so much easier if people would really listen to the main sufferers”:** Perspectives of environmental justice activists of Bangladesh on justice and technology. Annual Information Systems Research Poster Day, UMBC, 2023.

Crawford, K., Hamidi, F. **Complex Dynamics: Disability, Assistive Technology, and the LGBTQ+ Community Center Experience.** Annual Information Systems Research Poster Day, UMBC, 2023. (1st place, best poster award)

Oliver, Z., Hamidi, F. **Understanding the Accessibility of Modeling and 3D Printing Customized Assistive Technology.** 25th Annual Summer Undergraduate Research Fest (SURF), UMBC, 2022.

Stamato, L., Hamidi, F. **Exploring Experience through Bioart and HCI.** Annual Information Systems Research Poster Day, UMBC, 2022. (2nd place, best poster award)

Higgins, L., Hamidi, F. **Rec-to-Tech: Implementation of a Training Program for Educators to Lead a Youth Program in Baltimore Recreation Centers.** Annual Information Systems Research Poster Day, UMBC, 2022.

Karachiwalla, A., Hamidi, F. **The Impact of the COVID-19 Pandemic on Refugees’ Access to Health and Accessibility Resources in the United.** Annual Undergraduate Research and Creative Achievement Fest (URCAD), UMBC, 2022.

Abler, A., Hamidi, F. **Proaesthetics: Changing how we view Prosthetic Function.** Annual Undergraduate Research and Creative Achievement Fest (URCAD), UMBC, 2022.

Stamato, L., Hamidi, F. **Community Engagement in Makerspaces: Leadership Perspectives.** Annual Information Systems Research Poster Day, UMBC, 2021.

El-Ashry, A., Hamidi, F. **Exploring the Possibilities of Distributed Fabrication for Storytelling.** 24th Annual Summer Undergraduate Research Fest, UMBC, 2021.

Karachiwalla, Z., Hamidi, F. **“I’m OK Because I’m Alive” Understanding Accessibility Issues Facing Refugees with Disabilities in the United States.** 24th Annual Summer Undergraduate Research Fest, UMBC, 2021.

Laguna, F., Lopez, K., Wright, R., Hamidi, F. **Understanding the Experience of Low-Income Baltimore City Families Without Access to Broadband Internet During the COVID-19 Pandemic.** 24th Annual Summer Undergraduate Research Fest, UMBC, 2021.

Ojo, F., Dorfman, M. Hamidi, F. **Creating Fabrication Instructions for a DIY Therapy Device.** 22nd Annual Summer Undergraduate Research Fest, UMBC, 2019.

Ortega, C., Bhalerao, T., Hurst, A., and Hamidi, F. **Developing an Adaptation and Other Features for PINATA, a Chrome-based Adaptive User Interface Tool.** 20th Annual Summer Undergraduate Research Fest, UMBC, 2017.

Kottapalli, M., Kumar, S., and Hamidi, F. **A Customizable Open-source Assistive Technology for Communication.** 20th Annual Summer Undergraduate Research Fest, UMBC, 2017.

Academic Service

Departmental Service

COEIT Research Day, Session Chair, 2024

CWIT Faculty Cyber Scholar Candidates Interviewer, 2024

UMBC Information Systems, Undergraduate Research Outreach and Opportunities, Session Chair 2023

UMBC Information Systems, Research Committee, 2023-2024

UMBC Information Systems, Graduate HCC Committee, 2023-2024

UMBC, Information Systems, Interactive Systems Research Center (ISRC), Director, 2023-2024

UMBC, Information Systems, Interactive Systems Research Center (ISRC), Director, 2022-2023

UMBC AccessComputing Representative, 2023

UMBC Information Systems, Research Committee, 2022-2023

UMBC Information Systems, UMBC Fellows for Faculty Diversity Program Nomination Committee, 2022-2023

UMBC Information Systems, Graduate HCC Committee, 2022-2023

UMBC Information Systems, Merit Review Committee, 2022

UMBC Information Systems, Graduate Research Poster Day Judge, 2021

UMBC Information Systems, Graduate HCC Committee, 2021-2022

UMBC Information Systems, Research Committee, 2021-2022

UMBC AccessComputing Representative, 2022

UMBC Information Systems, Faculty Search Committee, 2020-2021

UMBC Information Systems, Research Committee, 2020-2021

Foad Hamidi

UMBC Information Systems, Pandemic Preparedness Research in Information Systems, Faculty Lead, 2020

UMBC COEIT Junior Faculty Launch Committee Member – Dr. Yaxing Yao, 2020-2021

UMBC AccessComputing Representative, 2021

UMBC AccessComputing Representative, 2020

UMBC AccessComputing Representative, 2019

UMBC Information Systems PhD Student Open Seminar Faculty Lead – Fall 2022

UMBC Information Systems PhD Student Open Seminar Faculty Lead – Fall 2021

UMBC Information Systems PhD Student Open Seminar Faculty Lead – Fall 2019

UMBC Interactive Systems Research Center (ISRC) Faculty Advisor for Events, 2021

UMBC Interactive Systems Research Center (ISRC) Faculty Advisor for Events, 2020

UMBC Interactive Systems Research Center (ISRC) Faculty Advisor for Events, 2019

UMBC Interactive Systems Research Center (ISRC) Faculty Advisor for Events, 2018

UMBC Interactive Systems Research Center (ISRC) Faculty Advisor for Events, 2017

University Service

UMBC Faculty Senator, 2024

UMBC Faculty Senator, 2023

UMBC Faculty Senator, 2022

UMBC Public Humanities Advisory Committee, 2022

UMBC Disability Studies Faculty Working Group, 2023

UMBC Disability Studies Faculty Working Group, 2022

UMBC Disability Studies Faculty Working Group, 2021

External Service

Research Community Service

Faculty Mentor, ACM SIGACCESS Conference on Computers and Accessibility (ASSETS) Doctoral Colloquium, 2024

Faculty Mentor, ACM Fairness, Accountability, and Transparency (FAccT) Doctoral Colloquium, 2024

Session Chair, ASEE Annual Conference & Exposition, 2023

Associate Chair, ACM Designing Interactive Systems (DIS), 2023

Advisory Board Member, NSF Nurturant STEM, PIs: Andrew Coy, Maria Olivares, 2023

Advisory Board Member, NSF Nurturant STEM, PIs: Andrew Coy, Maria Olivares, 2022

Subject Matter Expert, UMD's Grand Challenges Program, 2022

Session Chair, ACM Annual Conference on Human Factors in Computing Systems (CHI), 2022

Program Committee Member, ACM Conference on Computers and Accessibility (ASSETS), 2022

Associate Chair, ACM Annual Conference on Human Factors in Computing Systems (CHI), 2022

Best Artifact Competition Co-Chair, ACM Conference on Computers and Accessibility (ASSETS), 2021

Program Committee Member, ACM Graphics (GI), 2021

Session Chair, IEEE Frontiers in Education (FIE), 2020

Session Chair, ASEE Annual Conference & Exposition, 2020

Associate Chair, ACM Annual Conference on Human Factors in Computing Systems (CHI), 2021

ACM Student Research Competition (SRC) Co-Chair, ACM Conference on Computers and Accessibility (ASSETS), 2020

Program Committee Member, ACM Conference on Computers and Accessibility (ASSETS), 2021

Accessibility and Diversity Co-Chair, ACM Conferences on Designing Interactive Systems (DIS'19) and Creativity & Cognition (C&C'19), 2019

Member of Organizing Committee, International Cross-Disciplinary Conference on Web Accessibility (Web4All), 2019

Student Research Competition Co-Chair, ACM Conference on Computers and Accessibility (ASSETS), 2019

Student Research Competition Judge, ACM Conference on Computers and Accessibility (ASSETS), 2018

Publications Peer-Review

Reviewer, Biotechnology Design Journal, 2024

Reviewer, ACM Designing Interactive Systems (DIS), 2024

Reviewer, ASEE Annual Conference & Exposition (ASEE), 2023

Reviewer, Transactions on Computer-Human Interaction (TOCHI), 2022

Reviewer, Computer Supported Cooperative Work (CSCW) Journal, 2022

Reviewer, ASEE Annual Conference & Exposition (ASEE), 2022

- Reviewer, International Journal of Child-Computer Interaction (IJCCI), 2021
- Reviewer, The Australian Conference on Human-Computer Interaction (Oz'CHI), 2021
- Reviewer, IEEE Frontiers in Education (FIE), 2020
- Reviewer, The International Conference on New Interfaces for Musical Expression (NIME), 2020
- Reviewer, The International Conference on New Interfaces for Musical Expression (NIME), 2019
- Reviewer, ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), 2020
- Reviewer, ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), 2019 (**Special Recognition for Outstanding Review**)
- Reviewer, ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), 2018
- Reviewer, ASEE Annual Conference & Exposition (ASEE), 2020
- Reviewer, ASEE Annual Conference & Exposition (ASEE), 2019
- Reviewer, ASEE Annual Conference & Exposition (ASEE), 2018
- Reviewer, ACM Transactions on Accessible Computing (TACCESS), 2018
- Reviewer, ACM Annual Conference on Human Factors in Computing Systems (CHI), 2021 (**Special Recognition for Outstanding Review**)
- Reviewer, ACM Annual Conference on Human Factors in Computing Systems (CHI), 2019 (**Special Recognition for Outstanding Review**)
- Reviewer, ACM Annual Conference on Human Factors in Computing Systems (CHI), 2018
- Reviewer, ACM Annual Conference on Human Factors in Computing Systems (CHI), 2017
- Reviewer, ACM Annual Conference on Human Factors in Computing Systems (CHI), 2016
- Reviewer, ACM Annual Conference on Human Factors in Computing Systems (CHI), 2015
- Reviewer, International Journal of Human-Computer Studies, 2017
- Reviewer, International Journal of Human-Computer Studies, 2016
- Reviewer, Journal of Assistive Technologies, 2016
- Reviewer, IEEE Potentials, 2015
- Reviewer, IEEE Potentials, 2014

Panel Review

- Reviewer for a Faculty Research Fellowship, UMBC Imaging Research Center (IRC), 2023

Reviewer for an NSF Proposal Review Panel, 2022

Reviewer for an NSF Proposal Review Panel, 2021

Reviewer for a MITACS Proposal Review, 2021

Reviewer for an NSF Proposal Review Panel, 2019

Reviewer for an NSF Proposal Review Panel, 2018

Reviewer for an NSF Proposal Review Panel, 2017

Community Service

Technology First Task Force Member, Maryland Department of Health, 2023

Technology First Task Force Member, Maryland Department of Health, 2022

Technology First Task Force Member, Maryland Department of Health, 2021

Program Quality Assessment Committee Member, Digital Harbor Foundation (DHF), 2020

Program Quality Assessment Committee Member, Digital Harbor Foundation (DHF), 2019

Creative Achievement and Performances

Infinite Transformations with Linda Dusman, Carol Hess, Alan Wonneberger, Tagide DeCarvalho, Lee Boot, Ryan Zuber, Baltimore Dance Project, UMBC, MD, February 9th-10th, 2024

Infinite Transformations with Linda Dusman, Alan Wonneberger, Tagide DeCarvalho, Lee Boot, Ryan Zuber, Black Box, UMBC, MD, May 24th, 2023

Sublitezas collaborative art group exhibit, Cultivamos Cultura, São Luis, Portugal, August 13th, 2022

Raaz with Linda Dusman, Alan Wonneberger, Tagide DeCarvalho, Interactive Systems Research Center, UMBC, MD, March 3rd-4th, 2022

Raaz with Linda Dusman, Alan Wonneberger, Tagide DeCarvalho, Livewire11: Rewired New Music Festival, UMBC, MD, October 22nd-23rd, 2021

Raaz: A Multimedia Bioart Installation, with Linda Dusman, Alan Wonneberger, Tagide DeCarvalho, Baltimore Underground Science Space (BUGSS), Baltimore City, MD, October 17th, 2021

Raaz, with Linda Dusman, Tagide DeCarvalho, Alan Wonneberger, Rian Ciela Hammond, Inspired by Words by Loosenart, Millepiani Exhibition Space, Rome, Italy, October 4th- 12th, 2021

Rafigh: An Edible Living Media Installation. Ludwig-Maximilians-Universität München (LMU), Munich, Germany, February 17th - 19th, 2014

Mountain Water. Entry in the International Centre for Integrated Mountain Development photo contest, 2013

Liberation: An Interactive Video Installation, with Alexander Moakler, Assaf Gadot and Sahand Amiri. Digital Media Showcase, York University, Toronto, April 3rd, 2012

New Music, New Poetry, with the Iranian Composers of Toronto (ICOT) featuring the Ton Beau String Quartet. St. George Anglican Church, Toronto, September 8th, 2012

A Handful of Flowers: An Evening of Poetry, Music and Stories, with Maneli Jamal. Hotel Ocho, Toronto, November 13th, 2011

Performance with Sacred Balance, the NXNE Festival, The Detour, Toronto, June 18th, 2011

Performance with Karmetik:Bhutan. Diversity Festival, Taxeda Island, BC, July 10-13, 2009

Nuit Noire – A Counterpoint to Nuit Blanche with Pouya Hamidi. Bovine Sex Club, Toronto, October 4-5, 2008

Monastery 0 and 1. Poetry collection, self-published as part of the Poematheque: Pliable Library. Toronto, Ontario, October 2008

Other Academic Activities

Student Competitions

Student Design Competition, *ACM International Conference on Tangible, Embedded, and Embodied Interaction* (TEI'12) Student Design Competition. Kingston, Ontario, 2012

ACM Regional Programming Contest, Oakville, Ontario, 2004

Doctoral Consortium

Hamidi, F. **Using Interactive Objects for Speech Intervention.** Doctoral Consortium at the *11th International ACM SIGACCESS Conference on Computers and Disability* (ASSETS '09), Pittsburgh, PA, October 2009.

Certificates

Active Learning Inquiry Teaching (ALIT) certificate, 2021

Planning Instructional Variety for Online Teaching (PIVOT+) certificate, 2020

Teaching Assistant Certificate in Teaching (TACT) certificate, 2013

Teaching English as a Foreign Language (TEFL) certificate, 2003

Volunteering

Volunteer Family Host for Mandela-Washington Young African Leaders, 2023

Volunteer at PopTech Conference, 2010-2017

Foad Hamidi

Student Volunteer at ACM GI, 2014

Student Volunteer at ACM CHI PLAY, 2014

Student Volunteer at ACM SIGGRAPH, 2012

Student Volunteer at ACM CHI, 2010, 2012

Student Volunteer at ACM Group, 2010

A blogger since 2013 (<http://rishmanblog.wordpress.com>)