

AKIRI SURELY

University of Maryland, Baltimore County (UMBC)
Information Technology and Engineering Building, Room 438
1000 Hilltop Circle, Baltimore, Maryland 21250
sakiri1@umbc.edu <https://akiri-surely.github.io/>

Compiled on March 27th, 2023.

EDUCATION

Ph.D., Human Centered Computing <i>University of Maryland, Baltimore County (UMBC)</i> <i>Advisor: Andrea Kleinsmith</i>	2020 – Now
M.S., Human Centered Computing <i>Cumulative GPA of 3.857/4</i> <i>University of Maryland, Baltimore County (UMBC)</i>	2018 - 2020
B.Sc., Applied Computer Technology <i>Cumulative GPA of 3.893/4</i> <i>United States International University, Kenya (USIU-Africa)</i>	2015 - 2018

HONORS, FELLOWSHIPS & AWARDS

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- Scholarship recipient, BlackComputerHer Conference – **2023**
 - 1st Place, Poster Presentation, Annual Graduate Research Competition, Information Systems Department, UMBC – **2021**
 - National Science Foundation (NSF) Virtual Travel Award – **2021**
 - Honorable Mention, Poster Contest, Information Systems Department Poster Contest, UMBC – **2021**
 - Grant Recipient, Anita Borg Masterclass Grant – **2020**
 - Graduate Assistantship, Information System Department, UMBC – **2019 - Present**
 - Presenter, AppFactory Microsoft 4Afrika Launch – **2018**
 - Dean's List, Information Systems Department, USIU-Africa – **2015 - 2018**

PUBLICATIONS

Peer-Reviewed (Conference and workshop proceedings – Long papers)

- Surely, A., Taherzadeh, S., Misal, V., & Kleinsmith, A. (2022). Exploring Affective Dimension Perception from Bodily Expressions and Electrodermal Activity in Paramedic Simulation Training. 2022 10th International Conference on Affective Computing and Intelligent Interaction (ACII). <https://doi.org/10.1109/acii55700.2022.9953862>

- Surely, A. (2021). An Affect as Interaction Approach for Stress Management Among Paramedics. 2021 9th International Conference on Affective Computing and Intelligent Interaction Workshops and Demos (ACIIW). <https://doi.org/10.1109/aciw52867.2021.9666402>

Peer-Reviewed (Conference proceedings – late breaking work)

- Misal, V., Akiri, S., Taherzadeh, S., McGowan, H., Williams, G. M., Jenkins, J. L., Mentis, H. M., & Kleinsmith, A. (2020). Physiological Synchrony, Stress and Communication of Paramedic Trainees During Emergency Response Training. Companion Publication of the 2020 International Conference on Multimodal Interaction. <https://doi.org/10.1145/3395035.3425250>

Peer-Reviewed (Journal proceedings)

- Akiri, S., Misal, V., Taherzadeh, S., Williams, G., Mentis, H., Kleinsmith, A. (2023). Design and Evaluation of a Team Stress Reflection System for Paramedic Trainees. Doi: Under review at IJHCS
- Taherzadeh, S., Akiri, S., Misal, V., Williams, G., Mentis, H., Jenkins L.J, Kleinsmith, A. (2022). The Effect of Paramedic Trainee Gender on Performance and Communication Style in Simulation Training. Journal of Emergency Medicine. Doi: Under Review
- Akiri, S., Misal, V., Taherzadeh, S., Williams, G., Mentis, H., Kleinsmith, A. (2022). A Qualitative Study of EMS Workers in the Era of COVID-19. Frontiers in Psychology. Doi: In preparation

MEDIA COVERAGE

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- French, L. ["Responses from EMS providers, family, friends sought for COVID-19 stress study"](#) *EMS1*, 2020
 - Hanks, M. ["UMBC researchers work to support first responders through NSF-funded stress-response technology"](#) *UMBC News*, 2020
 - Hanks, M. ["UMBC's Jiaqi Gong receives \\$1M NIH grant for wearable sensor to help breast cancer survivors maintain complex medication schedules"](#) *UMBC News*, 2020
 - Longangi, A. ["Tackling Healthcare with Blockchains: Launch of Microsoft 4 Afrika"](#) *USIU News*, 2018

PRESENTATIONS

Poster Presentations

- “Exploring Reflection in Paramedic Trainees Using a Team Stress Reflection System”: UMBC College of Engineering and Information Technology Graduate Student Open House – **2023**
- “Exploring Affective Dimension Perception from Bodily Expressions and Electrodermal Activity in Paramedic Simulation Training”: IEEE Affective Computing and Intelligent Interaction Conference Poster Presentation – **2022**
- “Design and Evaluation of a Team Stress Reflection System for Paramedic Trainees”: UMBC Department of Information Systems Poster Day – **2021**

Invited Talks

- EMS Fellowship Grand Rounds University of Washington – (Upcoming April **2023**)

- HCID Department Research Seminar University of Washington – (April **2023**)
- Guest Lecturer UMBC Personal and professional Stress and Burnout (EHS 311) – (April **2023**)

ACADEMIC & PROFESSIONAL SERVICE

Reviewing

- Reviewer: ACM Conference on Human Factors in Computing Systems (INTERACT) – **2023**
 - 1ST AC: ACM Conference on International Conference of Technical Committee (INTERACT) – **2023**
 - 2ND AC: ACM Conference on International Conference of Technical Committee (INTERACT) – **2023**
- Reviewer: ACM Conference on Human Factors in Computing Systems (CHI) – **2021**

Committees

- Shadow Program Committee (INTERACT) – **2023**
- Organizing Committee: Interactive Systems Research Center (ISRC) FIKA Research Seminar, Information Systems Department, UMBC – **2020 – 2021**
- Electoral Committee: Information Technology Club, USIU-Africa – **2017 – 2018**

Other Service

- Founding member: Nigerian Graduate Student Association - **2022**
- Student Volunteer: IEEE International Conference on Affective Computing and Intelligent Interaction - **2021**
- Mentor: NSF Smart Computing and Communications Research Experiences for Undergraduates program - **2021**
- Student Volunteer: ACM Conference on Human Factors in Computing Systems (CHI) – **2021**
- Student Volunteer: Workshop on the Future of EMS Medical Services and Training (FEMST)– **2021**.
- Judge: Undergrad STEM Posters, Annual Louis Stokes Alliances for Minority Participation (LSAMP) USM Research Symposium – **2021**
- Student Volunteer: Interactive Systems Research Center (ISRC) Relaunch, UMBC – **2020**

EMPLOYMENT

Teaching

- Introduction to Programming (COMP 101): Teaching Assistant, UMBC – **2021 – 2022**

Research

- Research Assistant: Department of Information Systems, UMBC – **2019 - Present**
- Research Assistant: Engineering and Computing Education Program, UMBC – **2022 - Present**
- Research Assistant: Telemedicine at Scale: Expanding the Healthcare Workforce and Healthcare Access (NSF-funded project) – **2021**

Internships

- Software Development Intern: Unleashed Technologies, *Columbia, Maryland* – **2019**
- Software Engineering Intern: Interswitch Group, *Nairobi Kenya* – **2018**

AFFILIATIONS & MEMBERSHIPS

- Association for Computing Machinery -**2022**
- Association for the Advancement of Affective Computing- **2021**
- AnitaB.org Masterclass – **2020**
- Summer School on Sensor-Based Behavioral Machine Learning (SAIL LAB - USC) – **2020**
- Center for Women in Technology (CWIT- UMBC) – **2020**
- Black Graduate Student Organization (BGSO) – **2019**
- Graduate Women International (GWI) – **2018**
- The Interactive Systems Research Center (ISRC) – **2018**