SURELY, AKIRI

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/

EDUCATION

Ph.D., Human Centered Computing   2020 – Present
University of Maryland, Baltimore County (UMBC)
Dissertation Title: The Role of Technology in Fostering
Collaborative Reflection Practices in Academic Settings.
Committee: Andrea Kleinsmith, Helena Mentis, Stephen Voida,
Foad Hamidi, and Maria Sanchez

M.S., Human Centered Computing   2018 - 2020
University of Maryland, Baltimore County (UMBC)

B.Sc., Applied Computer Technology   2015 - 2018
United States International University, Kenya (USIU-Africa)

HONORS, FELLOWSHIPS & AWARDS

Costs reflect total award or subaward amount.
Graduate Student Association Research Award, UMBC ($800) – 2023
Scholarship recipient, BlackComputerHer Conference ($300) – 2023
1st Place, Poster Presentation, Annual Graduate Research Competition, Information Systems Department,
UMBC ($200) – 2021
National Science Foundation (NSF) Virtual Travel Award ($450) – 2021
Honorable Mention, Poster Contest, Information Systems Department Poster Contest, UMBC – 2021
Grant Recipient, Anita Borg Masterclass Grant ($180) – 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

PROFESSIONAL EXPERIENCE

Research Experience
Information Systems department: Research Assistant to Andrea Kleinsmith, UMBC – 2019 - Present
Engineering and Computing Education Program: Research Assistant, UMBC – 2022 - Present
Telemedicine at Scale: Expanding the Healthcare Workforce and Healthcare Access (NSF-funded project):
Research Assistant – 2021

Teaching Experience
Advanced Field Research Methodology (IS 805): Teaching Assistant, UMBC – Fall 2023
Introduction to Computer Science: Teals Mentor, Halifax High School – Fall 2023
Introduction to Programming (COMP 101): Teaching Assistant, UMBC – Fall 2021 - Spring 2022

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

PUBLICATIONS, PRESENTATIONS, AND CREATIVE ACHIEVEMENTS
Publications
Shared first-authorship is notated with a section sign (§).

Peer-Reviewed (conference and workshop proceedings)
[C3] Akiri, S., Taherzadeh, S., Misal, V., Kleinsmith, A. (2022). Exploring Affective Dimension Perception from Bodily Expressions and Electrodermal Activity in Paramedic Simulation Training. In 2022 10th Int'l Conference on Affective Computing and Intelligent Interaction (ACII) (pp. 1-8). IEEE. [Acceptance Rate, 45.5%]
[C2] Akiri, S. (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) (pp. 1-5). IEEE. [Acceptance Rate, 45.5%].
[C1] Misal, V., Taherzadeh, S., Surely, A., McGowan, H., Williams, G., Jenkins, JL, Mentis, H., Kleinsmith, A. (2020). Exploring Links Between Physiologic Synchrony, Stress and Communication of Paramedic Trainees During In-Situ Emergency Response Training, Extended Abstract in Proceedings of the ACM International Conference on Multimodal Interaction (ICMI). [Acceptance Rate, 42%].

Works in Preparation
Akiri, S., Misal, V., Taherzadeh, S., Williams, G., Jenkins, JL, Mentis, H. and Kleinsmith, A. (In preparation). Paramedic Trainees' Insights Gained with the Team Stress Reflection System: Reflecting on Others to Understand Ourselves.
§Akiri, S., § Misal, V., Taherzadeh, S., Williams, G., Jenkins, JL, Mentis, H. and Kleinsmith, A. (In preparation). Paramedic Trainees' Insights Gained with the Team Stress Reflection System: Reflecting on Our Experience.
Misal, V., Surely, A., Taherzadeh, S., Williams, G., and Kleinsmith, A. (In preparation). Communication, Collaboration and Physiological Synchrony in Paramedics Simulation Training.

Media Coverage

Hanks, M."UMBC researchers work to support first responders through NSF-funded stress-response technology" UMBC News, 2020. https://news.umbc.edu/umbc-researchers-work-to-support-first-responders-through-nsf-funded-stress-response-technology/
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. https://news.umbc.edu/umbcs-jiaqi-gong-receives-1m-nih-grant-for-wearable-sensor-to-help-breast-cancer-survivors-maintain-complex-
Longangi, A. "Tackling Healthcare with Blockchains: Launch of Microsoft 4 Afrika" USIU News, 2018. https://www.facebook.com/USIUAFRICA/photos/apt-senior-akiri-surely-discusses-tackling-health-problems-using-blockchain-tech/10155989753029000/

Presentations
The following presentations are in addition to the accompanying presentation of the conference and workshop papers listed above.

Invited Talks
Speaker*, "Understanding and Supporting Reflection in High-Stress Fields,"* EMS Fellowship Grand Rounds, University of Washington, April 2023.

Speaker, *"Exploring Reflection in Paramedic Trainees Using a Team Stress Reflection System,"* Human-Computer Interaction and Design Department, Research Seminar University of Washington, March 2023.
Guest Lecturer , *"Exploring Affective Dimension Perception from Bodily Expressions, Stress Reflection and Physiological Synchrony in Paramedic Simulation Training,"* UMBC Personal and Professional Stress and Burnout (EHS 311), May 2023.
Speaker, *"Tackling Healthcare with Blockchains"* Microsoft 4 Afrika Launch, May 2018.

Poster Presentations
Presenter, "*Exploring Reflection in Paramedic Trainees Using a Team Stress Reflection System*": UMBC College of Engineering and Information Technology Graduate Student Open House, March 2023.
Speaker, *"Exploring Affective Dimension Perception from Bodily Expressions and Electrodermal Activity in Paramedic Simulation Training":* IEEE Affective Computing and Intelligent Interaction Conference Poster Presentation, October 2022.
Speaker, *"An Affect as Interaction Approach for Stress Management Among Paramedics":* IEEE Affective Computing and Intelligent Interaction Conference Poster Presentation, September 2021.
Speaker, *"Design and Evaluation of a Team Stress Reflection System for Paramedic Trainees":* UMBC Department of Information Systems Poster Day, April 2021.

SERVICE TO THE DEPARTMENT, UNIVERSITY, COMMUNITY AND PROFESSION

Reviewing
Reviewer: British Computer Society Conference on Human-Computer Interaction (BCS-HCI) – 2023
Reviewer: Human-Computer Interaction – INTERACT–2023
1ST AC: Human-Computer Interaction – INTERACT– 2023
2ND AC: Human-Computer Interaction – INTERACT– 2023
Reviewer: ACM Conference on Human Factors in Computing Systems (CHI) – 2021

Committees
Program Committee Member (BCS-HCI) – 2023
Shadow Program Committee (Human-Computer Interaction – INTERACT) – 2023
Student Organizer: Workshop on the Future of EMS Medical Services and Training (FEMST) – 2021.
Organizing Committee: Interactive Systems Research Center (ISRC) FIKA Research Seminar, Information Systems Department, UMBC – 2020 – 2021
Faculty Promotion Review Committee: Student Representative Information Systems department – 2020
Electoral Committee: Information Technology Club, USIU-Africa – 2017 – 2018

Mentoring
Mentor: Microsoft Technology Education and Learning Support (TEALS) Program -2023
Human Computer Interaction Expert Mentor: Mass Challenge US Early-Stage – 2023
Graduate Student Mentor: NSF Smart Computing and Communications Research Experiences for Undergraduates (REU) program, Brian Beach (University of Missouri)– 2021
Mentor: Olutoye Sekiteri (UMBC, Information Systems) – 2020-2021
Mentor: Harshita Bommireddypalli (UMBC, Information Systems) – 2020-2021
Mentor: Paulina Captan (UMBC, Bioinformatics and Computational Biology) – 2021
Mentor: Eyadel Betru (UMBC, Business Technology Administration) – 2021

<u>Volunteering</u>

Student Volunteer: IEEE International Conference on Affective Computing and Intelligent Interaction (ACII) – 2021
Student Volunteer: ACM Conference on Human Factors in Computing Systems (CHI) – 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

<u>Other Service</u>
Founding member: Nigerian Graduate Student Association – 2022

<u>Membership in Professional Societies</u>
Association for Computing Machinery -2021- Present
Association for the Advancement of Affective Computing- 2021 -Present
Graduate Women International (GWI) – 2018 -Present
The Interactive Systems Research Center (ISRC) – 2018 – Present
Black Graduate Student Organization (BGSO) – 2019- Present
Nigerian Graduate Student Association – 2022- Present
AnitaB.org Masterclass – 2020-2021
Summer School on Sensor-Based Behavioral Machine Learning (SAIL LAB - USC) – 2020