

George Hope Chidziwisano

Department of Media and Information
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EDUCATION

- 2018 – Present: **Michigan State University, College of Communication Arts and Sciences**
PhD Student, Information and Media
Advisor: Susan Wyche PhD
- 2016 – 2018: **Michigan State University, College of Communication Arts and Sciences**
MA Human Computer Interaction
Thesis: “M-Kulinda: Exploring Domestic Security in Rural Kenya Using a Home Alert System”
Advisor: Susan Wyche PhD
- 2012 – 2015: **University of Malawi, Chancellor College**
BSc in Computer Science and Physics

RESEARCH AND INDUSTRY EXPERIENCE

- 2016 – Present: Graduate Research Assistant
Michigan State University
Department of Information and Media
- Spring 2017: Graduate Teaching Assistant
Michigan State University
Department of Information and Media
ITM 444: Information Technology Management
MI 361: Network Management and Security
- 2014 – 2015: Network Administrator
e-Communications Research Group (eCRG)
University of Malawi
- 2013 – 2014: Course Instructor
Chancellor College, Malawi
ABMA Certificate Short Courses
Introduction to e-commerce
Introduction to programming in Java
- 2011 – 2012: Maranatha High School Teacher during Holiday
Teaching high school students physics and chemistry

PUBLICATIONS:

Peer-Reviewed Conference Publications

- 2020: **Chidzwisano, G.**, Wyche, S., Oduor E. (accepted CHI2020). "GridAlert: Using a Sensor-Based Technology to Monitor Power Blackouts in Kenyan Homes," *ACM SIGCHI Conference on Human Factors in Computing Systems*. (CHI '20), Honolulu, Hawaii, (Acceptance Rate: 24.3%)
- 2020: **Chidzwisano, G.**, Kisyula R., Wyche, S. (accepted ICTD2020). "SmartChama: Designing Collaborative Digital Financial Systems for Chama Groups in Kenya," *the 11th international conference on information and communication technologies and development*. (ICTD '20), ESPOL, Ecuador
- 2018: Wyche, S., **Chidzwisano, G.**, Uwimbabazi, F. and Simiyu, N. 2018. "Defamiliarizing the Domestic: Exploring "M-Kopa Solar" Use and Sustainable Practices in Rural Kenyan Households," *First ACM conference on Computing & Sustainable Societies (COMPASS'18)*, Menlo Park, CA, Pgs. 35-46. (Acceptance Rate: 28%)
- 2018: **Chidziwisano G.**, Wyche S. 2018. "M-Kulinda: Using Sensor Based Technology Probes to Explore Domestic Security in Rural Kenya" *ACM SIGCHI Conference on Human Factors in Computing Systems*. (CHI '18), Montreal, Canada, Paper No. 10. (Acceptance Rate: 26%)

Workshop Publications

- 2018: **Chidziwisano G.**, Exploring Potentials of Sensor-Based Technologies in Rural Kenyan Homes *HCIXB Symposium at CHI'18*.

Thesis

- 2018: **Chidziwisano, G. H.**, (2018). M-Kulinda: Exploring Domestic Security in Rural Kenya Using a Home Alert System, *Master's Thesis, Michigan State University, East Lansing, MI*.

SERVICE TO PROFESSION

- 2019: CHI 2020 Reviewer
- 2019: CHI 2019 Late Breaking Work Reviewer
- 2018: CHI 2019 Reviewer

AWARDS

- 2020: Mark Levy ICT4D Scholarship
- 2019: MSU Summer Research Funding
- 2019: Mark Levy ICT4D Scholarship
- 2018: MSU Council of Graduate Students Award
- 2017: MSU Council of Graduate Students Award
- 2016: Facebook & Google Sponsored Malawi TNM Smart Challenge Finalist

INVITED PRESENTATIONS

- 2019: “Malawi Tech Industry: an opportunity for youth empowerment”, Michigan State University, African Tea Time, October 10, 2019.
- 2019: “Exploring the role of sensor-based technologies for domestic security in Kenya”, IBM Research, Kenya, June 20, 2019.
- 2019: “Exploring the role of sensor-based technologies for domestic security in Kenya”, Jomo Kenyatta University of Agriculture and Technology, May 23, 2019.
- 2017: “Use of sensor-based technologies for agriculture and domestic security in Kenya”, University of Michigan, Computer Science and Engineering Department, August 02, 2017.
- 2016: “Sustainable development: insights from design research in rural Kenya”, Michigan State University, World Usability Day, November 10, 2016.
- 2015: “Internet Independent Source of Source of Information for accessing weather information in rural areas”, National Symposium on Environment, Climate Change and Disaster Risk Management, Lilongwe, Malawi, September 23, 2015.

SELECTED SOFTWARE & HARDWARE PRODUCTS

- 2019: GridAlert: Power Blackout Monitoring System
- 2018: Digital Financial System for Self-Help Groups in Kenya
- 2017: Sensor Based Home Security System for Rural Africa
- 2016: PaMsika Mobile App

2015: Internet Independent Source of Information

2015: Malawi TV White Space Database

2014: Zanyengo App

The mobile app allows rural farmers to access weather information through their mobile phones

SKILLS

Technical skills: Python, Java, C++, C, JavaScript, PHP, R, Android, Arduino

Language skills: English (fluent), Chichewa (native), Swahili (Basic understanding)