AfriCHI

2023

4th African Human Computer Interaction Conference

DRAFT PROGRAMME
27 November 2023 – 1 December 2023

Hosted by

WSU | WALTER SISULU UNIVERSITY
Walter Sisulu University
In pursuit of excellence

In Partnership with
Pan African Information Communication Technology (PAICTA)

At the International Conference Centre, East London, South Africa

About AfriCHI

AfriCHI'23 is organised by a pan-African team, in co-operation with the Association of Computer Machinery's Special Interest Group for Computer Human Interaction, ACM SIGCHI. Our wish is to develop and sustain a unified body and local expertise for Human-Computer Interaction (HCI) and Interaction Design (IxD) in Africa.

AfriCHI aims to widen the international participation of Africans in the practice and study of Human-Computer Interaction (HCI) and Interaction Design and to advance HCI by increasing awareness of designs, tools, inventions, methods, theories, and pedagogies for creating or using technology in Africa. Participants come from a range of backgrounds and include interaction designers, user experience (UX) practitioners, information architects, software engineers, human factors experts, information systems analysts and social scientists.

AfriCHI's mission is to be a Pan-African conference that brings together researchers, academics, practitioners, industry professionals and students who are African, are based in Africa or undertake or collaborate on HCI and Interaction Design projects about Africa. The conference showcases contributions on practical, technical, methodological, empirical, and theoretical aspects of all topics related to HCI and Interaction Design from as many African countries as possible.

AfriCHI 2023 CONFERENCE SUMMARY OF ASSOCIATED EVENTS

DATE	EVENT	VENUE	ATTENDANCE BY
26 – 27 November 2023	Summer School	ICC – REGENCY venue	**INVITATION**
26 – 28 November 2023	Design Challenge	ICC – REGENCY venue	**INVITATION**
27 – 28 November 2023	Workshops	ICC – IMBIZO A; IMBIZO B1; IMBIZO B2; REGENCY 1	**CONFERENCE REGISTRATION**
28 November 2023	Doctoral & Masters Consortium	ICC – REGENCY 1	**INVITATION**
29 November – 1 December 2023	Conference	ICC – IMBIZO A; IMBIZO B1; IMBIZO B2; REGENCY 1	**CONFERENCE REGISTRATION**
30 November	Gala Dinner	ICC – IMBIZO A + IMBIZO B	**CONFERENCE REGISTRATION**

CO-LOCATED CONFERENCE EVENTS

- SUMMER SCHOOL

The African Co-design Academy is a two-day summer school focused on exploring co-design approaches and best practices, with a particular emphasis on the African context. The academy aims to enhance participants' knowledge of co-design, share exemplary approaches to co-design in Africa, foster networking opportunities, establish connections between African SIGCHI chapters, and encourage collaboration among African researchers and students in HCI and related disciplines.

Objectives:

- Familiarise participants with co-design methods, with examples from work conducted in the African context;
- Briefly experiment with co-design approaches, through hands-on exercises and projects;
- Promote discussion and knowledge exchange among participants and between African SIGCHI chapters.

INTERNATIONAL CONVENTION CENTRE (ICC)			
TIME	**SESSION**	**VENUE**	**ORGANISERS**
26 November 2023 09:00 – 17:00	Participants will be introduced to community-based co-design, communication and collaboration in co-design, and co-design readiness.	ICC – Regency venue	African Co-Design Academy
27 November 2023 09:00 – 17:00	Participants will continue working in small groups on their projects.	ICC – Regency venues	African Co-Design Academy

- DESIGN CHALLENGE

The AfriCHI design challenge is a competition that invites participants to propose innovative solutions for human-computer interaction and interaction design in Africa. The challenge is part of the AfriCHI conference, which is a biennial event that aims to promote the development and dissemination of African perspectives on HCI and design.

The design challenge for the AfriCHI 2023 conference has not been announced yet, but the previous challenges have focused on topics such as health, education, culture, and social justice. The participants are expected to submit a design brief, a video prototype, and a poster that showcases their ideas and demonstrates their feasibility, relevance, and impact for the African context.

The design challenge is a great opportunity for students, researchers, practitioners, and enthusiasts to showcase their creativity and skills, as well as to learn from the feedback and insights of the AfriCHI community. The winners of the challenge are awarded prizes and recognition at the conference.

INTERNATIONAL CONVENTION CENTRE (ICC)			
TIME	SESSION	VENUE	ORGANISERS
26 November 2023 09:00 – 17:00	Presentation and evaluation of the design briefs and video prototypes.	ICC – Regency venue	Volunteer Team
27 November 2023 09:00 – 17:00	Poster presentation.	ICC – Regency venues	Volunteer Team

WORKSHOPS

In the AfriCHI context, workshops are a platform for debate and co-development of ideas and approaches related to the advancement of research and practice within the field of Human-Computer Interaction (HCI).

DAY 1 – Monday, 27 November 2023

INTERNATIONAL CONVENTION CENTRE (ICC)			
TIME	**SESSION**	**VENUE**	**SESSION ACTIVITIES**
08:00 – 09:00	Welcome Tea/Coffee Registration	ICC Foyer	Workshop participants (day or full conference) register for the events

PARALLEL MORNING WORKSHOP SESSIONS

VENUE: IMBIZO A

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
09:00-10:30	1/2	*What if…. Fabulating African HCI Future's within the Veil of HCI*	Lazem, Shaimaa; Adamu, Muhammad; Abdrabou, Yasmeen; Muashekele, Chris; Erete, Sheena; Thomas, Jakita; Mthoko, Hafeni; Sakpere, Aderonke; Winschiers -Theophilus, Heike; Bidwell, Nic; Peters, Anicia	HALF DAY
10:30-11:00		MID-MORNING TEA/COFFEE		
11:00-12:30	2/2	*What if…. Fabulating African HCI Future's within the Veil of HCI*	Lazem, Shaimaa; Adamu, Muhammad; Abdrabou, Yasmeen; Muashekele, Chris; Erete, Sheena; Thomas, Jakita; Mthoko, Hafeni; Sakpere, Aderonke; Winschiers -Theophilus, Heike; Bidwell, Nic; Peters, Anicia	HALF DAY

VENUE: IMBIZO B1

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
09:00-10:30	1/4	*Designing an AI Solution for Child Online Safety in Africa*	Kavikairiua, Jennyphar; Morolong, Mamoqenelo; Gamundani, Attlee; Marsela, Rita; Bhunu Shava, Fungai; Chitauro, Mercy; Isaac, Nhamu	FULL DAY
10:30-11:00		**MID-MORNING TEA/COFFEE**		
11:00-12:30	2/4	*Designing an AI Solution for Child Online Safety in Africa*	Kavikairiua, Jennyphar; Morolong, Mamoqenelo; Gamundani, Attlee; Marsela, Rita; Bhunu Shava, Fungai; Chitauro, Mercy; Isaac, Nhamu	FULL DAY

VENUE: IMBIZO B2

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
09:00-10:30	1/4	*Exploring Ethics and Community Interaction Protocols*	Kapuire, Gereon Koch; Maasz, Donovan; Stanley, Colin; Mbinge, Uariaike; Koruhama, Alphons Kahuhu; Kandjengo, Shorty	FULL DAY
10:30-11:00		**MID-MORNING TEA/COFFEE**		
11:00-12:30	2/4	*Exploring Ethics and Community Interaction Protocols*	Kapuire, Gereon Koch; Maasz, Donovan; Stanley, Colin; Mbinge, Uariaike; Koruhama, Alphons Kahuhu; Kandjengo, Shorty	FULL DAY

LUNCH – ICC DINING HALL (12:30 – 13:30)

Please ensure that you have received a daily meal voucher to be able to redeem your meal.

PARALLEL AFTERNOON SESSIONS

VENUE: IMBIZO A

TIME	Part	TITLE	AUTHORS	Duration
13:30-15:00	1/2	*Baraza II: Expanding African HCI Communities and Curriculum*	Nkwo, Makuochi; Adamu, Muhammad; Kawu, Abdullahi Abubakar; Mthoko, Hafeni; Lazem, Shaimaa; Peters, Anicia	HALF DAY
15:00-15:30		AFTERNOON TEA/COFFEE		
15:30-17:00	2/2	*Baraza II: Expanding African HCI Communities and Curriculum*	Nkwo, Makuochi; Adamu, Muhammad; Kawu, Abdullahi Abubakar; Mthoko, Hafeni; Lazem, Shaimaa; Peters, Anicia	HALF DAY

VENUE: IMBIZO B1

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
13:30-15:00	3/4	*Designing an AI Solution for Child Online Safety in Africa*	Kavikairiua, Jennyphar; Morolong, Mamoqenelo; Gamundani, Attlee; Marsela, Rita; Bhunu Shava, Fungai; Chitauro, Mercy; Isaac, Nhamu	FULL DAY
15:00-15:30		AFTERNOON TEA/COFFEE		
15:30-17:00	4/4	*Designing an AI Solution for Child Online Safety in Africa*	Kavikairiua, Jennyphar; Morolong, Mamoqenelo; Gamundani, Attlee; Marsela, Rita; Bhunu Shava, Fungai; Chitauro, Mercy; Isaac, Nhamu	FULL DAY

VENUE: IMBIZO B2

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
13:30-15:00	3/4	*Exploring Ethics and Community Interaction Protocols*	Kapuire, Gereon Koch; Maasz, Donovan; Stanley, Colin; Mbinge, Uariaike; Koruhama, Alphons Kahuhu; Kandjengo, Shorty	FULL DAY
15:00-15:30		AFTERNOON TEA/COFFEE		
15:30-17:00	4/4	*Exploring Ethics and Community Interaction Protocols*	Kapuire, Gereon Koch; Maasz, Donovan; Stanley, Colin; Mbinge, Uariaike; Koruhama, Alphons Kahuhu; Kandjengo, Shorty	FULL DAY

VENUE: REGENCY 1

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
13:30-15:00	1/2	*Infusing Artificial Intelligence into Career Choice. Does Culture and Background Matter?*	Mavuso, Nosipho; Jere, Nobert; van Greunen, Darelle	HALF DAY
15:00-15:30		**AFTERNOON TEA/COFFEE**		
15:30-17:00	2/2	*Infusing Artificial Intelligence into Career Choice. Does Culture and Background Matter?*	Mavuso, Nosipho; Jere, Nobert; van Greunen, Darelle	HALF DAY

DAY 2 – Tuesday, 28 November 2023

INTERNATIONAL CONVENTION CENTRE (ICC)			
TIME	**SESSION**	**VENUE**	**SESSION ACTIVITIES**
08:00 – 09:00	Welcome Tea/Coffee Registration	ICC Foyer	Workshop participants (day or full conference) register for the events

PARALLEL MORNING WORKSHOP SESSIONS

VENUE: IMBIZO A

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
09:00-10:30	1/2	*Human-Centric Responsible AI*	Shipepe, Annastasia; Lazem, Shaimaa; Peters, Anicia	HALF DAY
10:30-11:00		**MID-MORNING TEA/COFFEE**		
11:00-12:30	2/2	*Human-Centric Responsible AI*	Shipepe, Annastasia; Lazem, Shaimaa; Peters, Anicia	HALF DAY

VENUE: IMBIZO B1

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
09:00-10:30	1/2	*Age against the machine: Exploring ethical AI design and use by, with, and for children*	Sharma, Sumita; White, Ted; Kinnula, Marianne; Iivari, Netta; Monga, Charu	HALF DAY
10:30-11:00		**MID-MORNING TEA/COFFEE**		
11:00-12:30	2/2	*Age against the machine: Exploring ethical AI design and use by, with, and for children*	Sharma, Sumita; White, Ted; Kinnula, Marianne; Iivari, Netta; Monga, Charu	HALF DAY

VENUE: IMBIZO B2

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
09:00-10:30	1/4	*Decolonizing the Computing Curriculum: Aligning Stakeholders for an African-Centric Education*	Mdwaba, Sonwabo Mzolisi; Gamundani, Attlee; Jere, Nobert; Bulane, Relebohile; Jere, Tanaka & Madikiza, Nation	FULL DAY
10:30-11:00		**MID-MORNING TEA/COFFEE**		
11:00-12:30	2/4	*Decolonizing the Computing Curriculum: Aligning Stakeholders for an African-Centric Education*	Mdwaba, Sonwabo Mzolisi; Gamundani, Attlee; Jere, Nobert; Bulane, Relebohile; Jere, Tanaka & Madikiza, Nation	FULL DAY

LUNCH – ICC DINING HALL (12:30 – 13:30)

Please ensure that you have received a daily meal voucher to be able to redeem your meal.

PARALLEL AFTERNOON SESSIONS

VENUE: IMBIZO A

TIME	Part	TITLE	AUTHORS	Duration
13:30-15:00	1/2	*A dynamic co-creation knowledge repository for Africa*	Chepken, Christopher; Mosha, Martha; Ohue, Peter Oseghale	HALF DAY
15:00-15:30		**AFTERNOON TEA/COFFEE**		
15:30-17:00	2/2	*A dynamic co-creation knowledge repository for Africa*	Chepken, Christopher; Mosha, Martha; Ohue, Peter Oseghale	HALF DAY

VENUE: IMBIZO B1

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
13:30-15:00	1/2	*Co-Designing Technologies with Children*	Itenge, Helvi; Kays, Rosetha; Auala, Selma; Chivuno-Kuria, Shilumbe; Peter, Kaulyaalalwa Peter; Makosa, Isaac	HALF DAY
15:00-15:30		**AFTERNOON TEA/COFFEE**		
15:30-17:00	2/2	*Co-Designing Technologies with Children*	Itenge, Helvi; Kays, Rosetha; Auala, Selma; Chivuno-Kuria, Shilumbe; Peter, Kaulyaalalwa Peter; Makosa, Isaac	HALF DAY

VENUE: IMBIZO B2

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
13:30-15:00	3/4	*Decolonizing the Computing Curriculum: Aligning Stakeholders for an African-Centric Education*	Mdwaba, Sonwabo Mzolisi; Gamundani, Attlee; Jere, Nobert; Bulane, Relebohile; Jere, Tanaka & Madikiza, Nation	FULL DAY
15:00-15:30		**AFTERNOON TEA/COFFEE**		
15:30-17:00	4/4	*Decolonizing the Computing Curriculum: Aligning Stakeholders for an African-Centric Education*	Mdwaba, Sonwabo Mzolisi; Gamundani, Attlee; Jere, Nobert; Bulane, Relebohile; Jere, Tanaka & Madikiza, Nation	FULL DAY

List of Workshops

No.	Workshop Title	Organizers	Duration
1	Designing an AI Solution for Child Online Safety in Africa	Kavikairiua, Jennyphar; Morolong, Mamoqenelo; Gamundani, Attlee; Marsela, Rita; Bhunu Shava, Fungai; Chitauro, Mercy; Isaac, Nhamu	FULL DAY 6hrs
2	A dynamic co-creation knowledge repository for Africa	Chepken, Christopher; Mosha, Martha; Ohue, Peter Oseghale	HALF DAY 3hrs
3	Co-Designing Technologies with Children	Itenge, Helvi; Kays, Rosetha; Auala, Selma; Chivuno-Kuria, Shilumbe; Peter, Kaulyaalalwa Peter; Makosa, Isaac	HALF DAY 3hrs
4	Human-Centric Responsible AI	Shipepe, Annastasia; Lazem, Shaimaa; Peters, Anicia	HALF DAY 3hrs
5	Exploring Ethics and Community Interaction Protocols	Kapuire, Gereon Koch; Maasz, Donovan; Stanley, Colin; Mbinge, Uariaike; Koruhama, Alphons Kahuhu; Kandjengo, Shorty	FULL DAY 6hrs
6	Infusing Artificial Intelligence into Career Choice. Does Culture and Background Matter?	Mavuso, Nosipho; Jere, Nobert; vanGreunen, Darelle	HALF DAY 3hrs
7	Baraza II: Expanding African HCI Communities and Curriculum	Nkwo, Makuochi; Adamu, Muhammad; Kawu, Abdullahi Abubakar; Mthoko, Hafeni; Lazem, Shaimaa; Peters, Anicia	HALF DAY 3hrs
8	What if….. Fabulating African HCI Future's within the Veil of HCI	Lazem, Shaimaa; Adamu, Muhammad; Abdrabou, Yasmeen; Muashekele, Chris; Erete, Sheena; Thomas, Jakita; Mthoko, Hafeni; Sakpere, Aderonke; Winschiers-Theophilus, Heike; Bidwell, Nic; Peters, Anicia	HALF DAY 3hrs
9	Age against the machine: Exploring ethical AI design and use by, with, and for children	Sharma, Sumita; White, Ted; Kinnula, Marianne; Iivari, Netta; Monga, Charu	HALF DAY 3hrs
10	Decolonizing the Computing Curriculum: Aligning Stakeholders for an African-Centric Education	Mdwaba, Sonwabo Mzolisi; Gamundani, Attlee; Jere, Nobert; Bulane, Relebohile; Jere, Tanaka & Madikiza, Nation	FULL DAY 6hrs

DOCTORAL & MASTERS CONSORTIUM

The AfriCHI'23 Doctoral and Masters Consortium is an in-person full-day event that will take place during the AfriCHI'23 conference. The primary goal of the DMC is to provide a forum for in-depth research discussions and to build a mentoring and peer network among a small group of participating Masters and Ph.D. students.

INTERNATIONAL CONVENTION CENTRE (ICC)			
TIME	SESSION	VENUE	SESSION CHAIRS
08:00 – 09:00	*Welcome Tea/Coffee	Registration*	ICC Foyer	
09:00 – 10:30	Doctoral & Masters Consortium - Student presentations	REGENCY 1	Melissa Densmore, Jacki O'Neill and Nic Bidwell
10:30 – 11:00	*Mid-morning Tea/Coffee Break*	ICC Foyer	
11:00 – 12:30	Doctoral & Masters Consortium - Student presentations	REGENCY 1	Melissa Densmore, Jacki O'Neill and Nic Bidwell
12:30 – 13:30	*Lunch*	ICC Dining Hall	
13:30 – 15:00	Doctoral & Masters Consortium - Student challenges	REGENCY 1	Melissa Densmore, Jacki O'Neill and Nic Bidwell
15:00 – 15:30	*Afternoon Tea/Coffee*	ICC Foyer	
15:30 – 17:00	Doctoral & Masters Consortium - Student challenges	REGENCY 1	Melissa Densmore, Jacki O'Neill and Nic Bidwell

Dr Jacki O'Neill is founding Director of Microsoft Africa Research Institute (MARI). She is passionate about designing technologies which enhance, rather than remove, agency and create sustainable futures. She brings this passion to the MARI where she is building a multi-disciplinary team, combining research, engineering, and design to solve local problems globally. An ethnographer by trade, specializing in Human-Computer Interaction (HCI) her research aims to drive innovation to make the best possible technologies for work, health, and society. She has led major research projects in the future of work, financial inclusion, and global healthcare. She has >50 peer-reviewed articles, two innovation awards and 16 patents.

Associate Professor Melissa Densmore is Director of the HCI Lab at the University of Cape Town (UCT), and Coordinator of Hasso Plattner Institute Research School at UCT. Her research has a specific focus on co-design of local content and services for communities, particularly around digital maternal and child health, as well as contributing to the development of iNethi, a software platform designed to support community wireless networks. Melissa gained her PhD from the University of California, Berkeley School of Information and completed her postdoc with the Technology for Emerging Markets group at Microsoft Research in Bangalore, India.

Dr Nic (Nicola) Bidwell has held academic positions in Australia, Denmark, Namibia, and South Africa. Her research, at the intersection of HCI and social informatics, focuses on rural settings and the Global Souths. Her recent studies include Community Networks and community radio and exploring predictive logics with Indigenous groups to produce more epistemically accountable AI. Nic has >120 peer-reviewed articles and an award for contributions to social and economic development and her work has influenced policy discussion. Nic co-founded AfriCHI and is chair for Sustainability on SIGCHI's Executive Committee. She currently has a role in Digital Ethics at the University of Melbourne, while maintaining her home in rural Namibia.

CONFERENCE - PAPERS, PANELS, EXHIBITS (DEMOS & POSTERS)

DAY 3 – Wednesday, 29 November 2023

TIME	SESSION	VENUE	SESSION ACTIVITIES
INTERNATIONAL CONVENTION CENTRE (ICC)			
08:00 – 08:30	Welcome Tea/Coffee Registration	ICC Foyer	Conference participants not yet registered will register
08:30 – 10:30	Official Opening	IMBIZO A	*Session Chair:* Prof Nobert Jere (WSU) Welcome Address: WSU Designate Opening Address: Government Designate Keynote Speaker: Dr Dimeji Onafuwa, Principal UX Research Manager at Microsoft
10:30 – 11:00	Mid-morning Tea/Coffee Break	ICC Foyer	

PARALLEL MORNING SESSIONS

VENUE: IMBIZO A

THEME	TIME	S/N	TITLE	AUTHORS	PAPER TYPE
Education, digital learning, and the future of work *Session Chair:* Dr. Omowunmi Isafiade	11:00-11:20	1	*The Effects of Technostress on Academic Commitment Among First-year Undergraduate Students at an Institution of Higher Education in South Africa.*	Mangundu, John	Full paper
	11:20-11:40	2	*Development and Evaluation of a Mobile App to Support Reading Education*	Mthethwa, Lindiwe; Matthews, Paul	Short paper
	11:40-12:00	3	*Can Large Language Models support medical facilitation work? A speculative analysis*	Najeeb Gambo Abdulhamid, Millicent Ochieng, Kalika Bali, Elizabeth Ankrah, Naveena Karusala, Keshet Ronen, Jacki O'Neill	Short paper
	12:00-12:20	4	*Designing a voice-controlled dialogue system for workplace learning of routine physical workers*	Ogunyemi, Abiodun Afolayan; Einsok, Kevin-Kaspar; Berkovitch, Karl Joonas; Kõressaar, Uku; Prantsu, Sten-Kristjan; Quaicoe, James Sunney, Bauters, Merja	Short paper

VENUE: IMBIZO B1

THEME	TIME	S/N	TITLE	AUTHORS	PAPER TYPE
Privacy, the web, social media and digital markets *Session chair:* Dr. Aderonke Sakpere	11:00-11:20	1	*Unmasking the Potential of Usable Security and Privacy Technologies in Empowering African Digital Landscapes*	Gamundani, Attlee Munyaradzi	Full paper
	11:20-11:40	2	*Social Media Influencers and the Consumer Behaviour of Women in Saudi Arabia*	Alhomaid, Hadeel	Full paper
	11:40-12:00	3	*Exploring the nexus of Social Media Networks and Instant Messengers in Collaborative Type 2 Diabetes care: A Case Study of Port Harcourt, Nigeria*	Arueyingho, Oritsetimeyin; O'Kane, Aisling Ann; Aprioku, Jonah Sydney; Marshall, Paul	Short paper
	12:00-12:20	4	*Scaling Assistive Technology Innovations to New Markets in Africa*	Tigmanshu Bhatnagar, Maryam Bandukda, Diane Bell, Catherine Holloway	Full paper

VENUE: IMBIZO B2

THEME	TIME	S/N	TITLE	AUTHORS	PAPER TYPE
Designing and understanding immersive experiences *Session chair:* Prof. Nicola Bidwell	11:00-11:20	1	*A Community-Based Exploration Into Gesture-driven Locomotion Control in Virtual Reality*	Arendttorp, Emilie; Auala, Selma; Winschiers-Theophilus, Heike; Rodil, Kasper; Magot, Samkao	Full paper
	11:20-11:40	2	*Pilot Study on Likelihood of Adoption of Immersive Technology for Teaching and Learning of STEM based Course in Tertiary Institutions in Africa: A Case Study of Nigeria*	Sakpere, Aderonke Busayo; Ezika, Ijeoma J.F.; Isafiade, Omowunmi E.	Short paper
	11:40-12:00	3	*Exploring The Place of Immersive Technology for Improved Anatomy Education: A Pilot Study*	Peck, Ayesha; Isafiade, Omowunmi Elizabeth; Kotze, Christina Retha	Short paper
	12:00-12:20	4	*The relationship of visual and aural perspective with decentering in virtual reality*	Bosman, Isak de Villiers; Bujić, Mila; Cosio, Laura Diana; Buruk, Oğuz Turan; Jørgensen, Kristine; Hamari, Juho	Short paper

LUNCH – ICC DINING HALL (12:30 – 13:30)

Please ensure that you have received a daily meal voucher to be able to redeem your meal.

PARALLEL AFTERNOON SESSIONS

VENUE: IMBIZO A

THEME	TIME	S/N	TITLE	AUTHORS	PAPER TYPE
Trust, explainable AI, and human interaction *Session chair:* Dr. Obinna Anya	13:30-13:50	1	*Cultural Considerations in AI Systems for the Global South: A Systematic Review*	Anuyah, Oghenemaro; Wan, Ruyuan; Adejoro, Cornelius; Yeh, Tom; Metoyer, Ronald; Badillo-Urquiola, Karla	Full paper
	13:50-14:10	2	*Unmasking Trust: Examining Users' Perspectives of Facial Recognition Systems in Mozambique*	Beltrão, Gabriela; Sousa, Sonia; Lamas, David	Short paper
	14:10-14:30	3	*Co-Drive: Next Stop Kumasi!*	Boffi, Laura; Dzisi, Emmanuel	Short paper
	14:30-14:50	4	*The domestication of AI by Kenyan digital creators*	Ngaruiya, Njeri; Baru, Joshua; Chege, Babra; Donner, Jonathan	Short paper
	14:50-15:10	5	*Investigating the Efficacy of Large Language Models in Reflective Assessment Methods through Chain of Thought Prompting*	Masikisiki, Baphumelele; Marivate, Vukosi; Hlophe, Yvette	Short paper

VENUE: IMBIZO B1

THEME	TIME	S/N	TITLE	AUTHORS	PAPER TYPE
HCI design, theory and methods *Session chair:* Dr. Kagonya Awori	13:30-13:50	1	*"Remembering" as a Decolonial Praxis in African HCI and Design*	Adamu, Muhammad; Nkwo, Makuochi	Full paper
	13:50-14:10	2	*A Need Finding Study with Low-Resource Language Content Creators*	Nigatu, Hellina Hailu; Canny, John; Chasins, Sarah	Short paper
	14:10-14:30	3	*An Interface Design Methodology for Serving Machine Learning Models*	Ogbuju, Emeka Emmanuel; Ihinkalu, Olalekan; Oladipo, Francisca	Short paper
	14:30-14:50	4	*Lions out of Bounds? Reflections on Digital Technology and Matristic Design to address Human-Wildlife Conflict*	Grinko, Margarita; Aal, Tanja; Aal, Konstantin; Hauptmeier, Helmut; Wulf, Volker	Short paper
	14:50-15:10	5	*Towards Adoption of Sentence Computation Collaborative Mobile App (SCAPP) for Effective Correctional/Offender Management*	Nwokoye, Henry Chukwunonso; Etodike, Nelson; Nwafor, Evelyn Uchechukwu; Ihemelu, Ikenna	Full paper

VENUE: IMBIZO B2

THEME	TIME	S/N	TITLE	AUTHORS	PAPER TYPE
Health and wellness *Session chair:* Prof. Shaimaa Lazem	13:30-13:50	1	*Primary Health APP: A Usability Health Care Delivery App in Resource-Constrained Environments*	Ogunseye, Elizabeth Oluyemisi	Full paper
	13:50-14:10	2	*Exploring the Integration of a Patient Generated Health Data in a FAIR Digital Health System in Low-Resourced Settings: A User-Centered Approach*	Kawu, Abdullahi Abubakar; Kievet, Rens; Abubakar, Adamu; van Reisen, Mirjam; O'Sullivan, Dympna; Hederman, Lucy	Full paper
	14:10-14:30	3	*User Centred Design and Implementation of Useful Picture Archiving and Communication Systems for Effective Radiological Workflows in Public Health Facilities in Zambia*	Zulu, Ernest Obbie; Shawa, Andrew; Mwanza, John; Mwaba, Brighton; Sikazwe, Wilkins; Chileshe, Elijah; Phiri, Lighton	Short paper

AFTERNOON TEA (15:10 – 15:40)

INTERACTIVE SESSIONS

TIME	SESSION	VENUE	SESSION ACTIVITIES
15:40 – 17:00	**EXHIBITION: POSTERS**	Regency 1 / ICC Foyer	An opportunity for researchers and practitioners to show and discuss their recent work, services, interactions, and experience.
15:40 – 17:00	**EXHIBITION: DEMO 1**	Regency 1	***Robots - Interactive Installations*** Mapharisa, Maneo
15:40 – 17:00	**EXHIBITION: DEMO 2**	Regency 1	***Let's dance /Hi//Ka//Kusi with non-player character Ju/'Hoansi women in Virtual Reality*** Johansen, Freja B.K; Jørgensen, Mads Rosengren; Kjeldsen, Thomas K.K.; Magot, Samkao; Kandjengo, Shorty; Isaacs, Joseph-David S; Auala, Selma; Kays, Rosetha; Arendttorp, Emilie Maria Nybo; Winschiers-Theophilus, Heike; Rodil, Kasper
15:40 – 17:00	**PANEL SESSION** *Session Chair:* Prof. Paula Alexandra Silva	IMBIZO A	***African Co-Design: Past, Present, and Emerging*** Nunes, Francisco; Silva, Joana Couto; Félix, Beatriz; Melo, Ricardo; Winschiers-Theophilus, Heike; Bagalkot, Naveen; Verdezoto, Nervo; Lazem, Shaimaa; Heerden, Alastair Van; Ngubane, Thulani; Till, Sarina; Densmore, Melissa

DAY 4 – Thursday, 30 November 2023

TIME	SESSION	VENUE	SESSION ACTIVITIES
INTERNATIONAL CONVENTION CENTRE (ICC)			
08:30 – 09:00	Welcome Tea/Coffee	ICC Foyer	
09:00 – 10:30	Keynote & cultural item	IMBIZO A	*Session Chair:* Prof Nobert Jere (WSU) Keynote: Dr Shikoh Gitau, CEO at Qhala Ltd Cultural item
10:30 – 11:00	Mid-morning Tea/Coffee Break	ICC Foyer	

PARALLEL MORNING SESSIONS

VENUE: IMBIZO A

THEME	TIME	S/N	TITLE	AUTHORS	PAPER TYPE
Community and participatory design *Session chair:* Prof. Heike Winschiers-Theophilus	11:00-11:20	1	*Co-Design of a Patient Fall Risk Prevention Service Powered by Machine Learning*	Rizzo, Antonio; Guiducci, Leonardo; Ermini, Sara; Caponi, Anna; Valli, Benedetta	Full paper
	11:20-11:40	2	*Analyzing Digital Practices in Indigenous Communities: A Foucauldian Sociotechnical Demarginalizing Method*	Naidoo, Rennie; Adebesin, Funmi	Full paper
	11:40-12:00	3	*Infusing Futuring into Community-based Co-design: A Pathway to Innovative Technology Design with Indigenous Communities in Africa*	Muashekele, Chris; Winschiers-Theophilus, Heike; Rodil, Kasper	Full paper
	12:00-12:20	4	*Reconsidering Network Management Interfaces for Communities*	Ndinelao Iitumba, Siddhant Shinde, Deysi Ortega, Naveen Bagalkot, Nervo Verdezoto, Ganief Manuel, TB Dinesh, Melissa Densmore	Full paper
	12:20-12:40	5	*Collective co-design activities with children for designing classroom robots*	Obaid, Mohammad; Kırlangıç, Güncel; baykal, Gökçe Elif; Göksun, Tilbe; Yantaç, Asım Evren	Full paper

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	12:40-13:00	6	*Developing an ethnobotanical application with and for Ovahimba communities*	Chitakunye, Rumbidzai; Winschiers-Theophilus, Heike; De Cauwer, Vera; Mukumbira, Sebastian	Full paper

VENUE: IMBIZO B

THEME	TIME	S/N	TITLE	AUTHORS	PAPER TYPE
UX methods and practices *Session chair:* Dr. Abiodun Ogunyemi	11:00-11:20	1	*Usability and User Experience of Mobile Applications: A Case of Functional Illiterates in Nigeria*	Mohammed, Khadijah Danjuma; Uren, Victoria; Joel-Edgar, Sian; Omonedo, Priscilla	Full paper
	11:20-11:40	2	*An Integration Model to Enhance Information Systems Administration and Data Sharing – A Case Of Namibian Lower Courts*	Namutenya, Mewiliko Jimmy; Shaanika, Irja Naambo	Short paper
	11:40-12:00	3	*Development of an SMS-Based Flash Flood Detection, Monitoring, and Notification System for Dam Infrastructure and Flood Prevention*	Abisoye, Blessing Olatunde; Ajao, Lukman Adewale; Umar, Buhari Ugbede; Abisoye, Opeyemi Aderiike	Short paper
	12:00-12:20	4	*Penapp: A Mobile App for Improving Pensioners' Screening Exercises*	Chinasa Ezinwanyi Anuonye, Rachel Feyisayo Oluwatuyi, Rose Chizoma Anuonye, Amyrah Omafikayo Tijani, Christopher Adeolu Thomas	Short paper
	12:20-12:40	5	*Bridging Opportunities: A User-Centered Approach to Enhancing Usability in a Digital Skills and Employment Information System for Ex-Offenders in Nigeria*	Oyewale, Christianah; Sakpere, Aderonke Busayo; Esiefarienrhe, Bukohwo Michael	Short paper
	12:40-13:00	6	*Usability Evaluation of University Library Portals in Zambia*	Tembo, Dokowe Thelma; Akakandelwa, Akakandelwa; Phiri, Lighton	Full paper

LUNCH – ICC DINING HALL (13:00 – 14:00)

Please ensure that you have received a daily meal voucher to be able to redeem your meal.

INTERACTIVE SESSIONS

TIME	SESSION	VENUE	SESSION ACTIVITIES
14:00 – 16:00	**EXHIBITION: POSTERS**	Regency 1 / ICC Foyer	An opportunity for researchers and practitioners to show and discuss their recent work, services, interactions, and experience.
14:00 – 16:00	**EXHIBITION: DEMO 1**	Regency 1	***Robots - Interactive Installations*** Mapharisa, Maneo
14:00 – 16:00	**EXHIBITION: DEMO 2**	Regency 1	***Let's dance /Hi//Ka//Kusi with non-player character Ju/'Hoansi women in Virtual Reality*** Johansen, Freja B.K; Jørgensen, Mads Rosengren; Kjeldsen, Thomas K.K.; Magot, Samkao; Kandjengo, Shorty; Isaacs, Joseph-David S; Auala, Selma; Kays, Rosetha; Arendttorp, Emilie Maria Nybo; Winschiers-Theophilus, Heike; Rodil, Kasper
14:00 – 16:00	**PANEL SESSION** *Session Chair:* Prof. Rehema Baguma	IMBIZO A	***Leveraging Human-Computer Interaction (HCI) for Enhancing Military Operations in Nigeria*** Ekele, Emeka; Oyewale, Christianah Titilope; Abolade, Akintomiwa Mayowa
18:00 – 22:00	**GALA DINNER**	IMBIZO A	Dinner and formal event (includes Dignitaries, Entertainment, and Conference Awards)

DAY 5 – Friday, 1 December 2023

TIME	SESSION	VENUE	SESSION ACTIVITIES
INTERNATIONAL CONVENTION CENTRE (ICC)			
08:30 – 09:00	Welcome Tea/Coffee	ICC Foyer	
09:00 – 10:00	Local Keynote	IMBIZO A	*Session Chair:* Dr Bukelwa Ngoqo (NMU) Local Keynote: Trevor Rammitlwa – CEO, Nemisa
10:00 – 11:30	**PANEL SESSION** *Session Chair:* Prof. Anicia Peters	IMBIZO A	***HCI Practice and Career Progression*** Anya, Obinna; Ogunyemi, Abiodun
11:30 – 12:30	**OFFICIAL CLOSING**	IMBIZO A	General Co-Chair: Dr Nobert Jere (WSU) Local Organising Chair: Dr Bukelwa Ngoqo (NMU)

List of Posters

AfriCHI aims to increase HCI's awareness of designs, tools, inventions, methods, theories, and pedagogies for creating or using technology in Africa and to provide opportunities for Africans to benefit from expert feedback and new collaborations. Posters displayed throughout the conference create opportunities for AfriCHI attendees to casually browse new topics.

Ref#	Title	Authors
1	*Utilising Web 3 in improving public service governance in developing democracies: Nigeria as a case study.*	Efobi, Lilian; Onwukwe, Anthony
2	*Understanding Voter Apathy in Nigeria: A probabilistic graphical model approach*	Ohue, Peter Oseghale; Okunlola, Oluyemi Adewole
3	*IoT WDoH Milk Bank monitoring system*	Johnston, Keanu Micheal; Henney, Andre
4	*Fostering local sustainable development through technology and research*	Lange, Carina; Fröbel, Friederike
5	*The Promise and Perils of Generative AI: Case Studies in an African Context*	Okolo, Chinasa T.
6	*Defining Functional Illiteracy to Empower Inclusive Technology Design*	Mohammed, Khadijah Danjuma; Uren, Victoria; Joel-Edgar, Sian; Omonedo, Priscilla
7	*Bridging Spaces: A Student Perspective on Designing for Remote Presence with 3D Holograms*	Mendes, Jason; Auala, Selma; Winschiers-Theophilus, Heike; Suovuo, Tomi "bgt"; Sutinen, Erkki; Montero, Calkin Suero; Goagoses, Naska
8	*Critical success factors for human-centred learning analytics systems design*	Chomunorwa, Silence; Berg, Carolien; Janjties, Mmaki
9	*Visually Impaired Users' Access to Online Academic Result in Nigerian Higher Education Institutions: An Exploratory Design Needs Study*	Abdulkadir, Abdulnazif; Kawu, Abdullahi Abubakar; Abdullahi, Ibrahim; Sarki, Bashir Yaya; Idris, Rabiu
10	*Designing a persuasive technology based on school buildings environment for energy efficiency*	Nharreluga, Ezar Esau

[END]