



**2023**

4th African Human Computer Interaction Conference

*CONFERENCE PROGRAMME*

27 November 2023 – 1 December 2023

Hosted by Walter Sisulu University in partnership with PAICTA



WALTER SISULU  
UNIVERSITY



**PAICTA.**

At the International Conference Centre (ICC), 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.

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### AfriCHI 2023 CONFERENCE SUMMARY OF ASSOCIATED EVENTS

DATE	EVENT	VENUE	ATTENDANCE BY
26 – 27 November 2023	Summer School <i>(Co-located)</i>	ICC – Room 4	INVITATION
27 – 30 November 2023	Design Challenge <i>(Co-located)</i>	ICC – Room 6	INVITATION
27 – 28 November 2023	Workshops	ICC – Imbizo B1; Imbizo B2; Regency 2	CONFERENCE REGISTRATION
27 November 2023	Doctoral & Masters Consortium	ICC – Room 5	INVITATION
29 November – 1 December 2023	Conference	ICC – Imbizo A; Regency 2	CONFERENCE REGISTRATION
30 November	Gala Dinner	ICC – Imbizo A	CONFERENCE REGISTRATION



*South Africa experiences scheduled loadshedding throughout the day (ranging from Level 1 to 6), with on average a 3-hour electricity blackout, which can affect internet connectivity. The ICC is equipped with generators, so you might be plunged into darkness for a minute while the ICC swaps from the national electricity grid (Eskom) to generator power.*

*You can download the loadshedding app, EskomSePush from the Google/Apple Stores and use it during your stay in South Africa.*

## 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
26-27 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 – Room 4	African Co-Design Academy

## - DESIGN CHALLENGE

The Student Design Competition will bring in students from across Africa to AfriCHI to prepare them to participate at the ACM CHI conference on Human Factors in Computing Systems in 2024. The selected students will be mentored over a four-day intensive hackathon where they will work on a solution to one of the 17 UN Sustainable Development Goals. The results will be presented during AfriCHI and evaluated by a panel of judges. The winning teams will be offered a special follow-up training to submit their work to the CHI 2024 Student Design Competition

INTERNATIONAL CONVENTION CENTRE (ICC)			
TIME	SESSION	VENUE	ORGANISERS
27 November 2023 09:00 – 17:00	Day One – Design Challenge (full day)	ICC – Room 6	Ted White; Christian Sturm; Volunteer Team
28 November 2023 09:00 – 17:00	Day Two – Design Challenge (full day)	ICC – Room 6	Ted White; Christian Sturm; Volunteer Team
29 November 2023 09:00 – 17:00	Day Three – Design Challenge (full day)	ICC – Room 6	Ted White; Christian Sturm; Volunteer Team
30 November 2023 09:00 – 17:00	Day Four – Design Challenge (morning)   Judging (afternoon)   Prize-Giving @ Gala Evening	ICC – Room 6	Ted White; Christian Sturm; Volunteer Team

## UN SUSTAINABLE DEVELOPMENT GOALS



## 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 B1

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
09:00-10:30	1/2	<i>What if... Fabulating African HCI Future's within the Veil of HCI</i>	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	<b>MID-MORNING TEA/COFFEE</b>			
11:00-12:30	2/2	<i>What if... Fabulating African HCI Future's within the Veil of HCI</i>	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 B2**

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

**VENUE: REGENCY 2**

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

**LUNCH – ICC RESTAURANT (12:30 – 13:30)**

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

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## PARALLEL AFTERNOON SESSIONS

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### VENUE: IMBIZO B1

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

### VENUE: IMBIZO B2

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

### VENUE: REGENCY 2

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

15:30-17:00	4/4	<i>Exploring Ethics and Community Interaction Protocols</i>	Kapuire, Gereon Koch; Maasz, Donovan; Stanley, Colin; Mbinge, Uariaike; Koruhama, Alphons Kahuhu; Kandjengo, Shorty	FULL DAY
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**VENUE: ROOM 6**

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
13:30-15:00	1/2	<i>Baraza II: Expanding African HCI Communities and Curriculum</i> <b>(Virtual + In-Person)</b>	Nkwo, Makuochi; Adamu, Muhammad; Kawu, Abdullahi Abubakar; Mthoko, Hafeni; Lazem, Shaimaa; Peters, Anicia	HALF DAY
15:00-15:30	<b>AFTERNOON TEA/COFFEE</b>			
15:30-17:00	2/2	<i>Baraza II: Expanding African HCI Communities and Curriculum</i> <b>(Virtual + In-Person)</b>	Nkwo, Makuochi; Adamu, Muhammad; Kawu, Abdullahi Abubakar; Mthoko, Hafeni; Lazem, Shaimaa; Peters, Anicia	HALF DAY



## 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	<i>Welcome Tea/Coffee   Registration</i>	ICC Foyer	
09:00 – 10:30	Doctoral & Masters Consortium - Student presentations	ROOM 5	Melissa Densmore, Jacki O'Neill and Nic Bidwell
10:30 – 11:00	<i>Mid-morning Tea/Coffee Break</i>	ICC Foyer	
11:00 – 12:30	Doctoral & Masters Consortium - Student presentations	ROOM 5	Melissa Densmore, Jacki O'Neill and Nic Bidwell
12:30 – 13:30	<i>Lunch</i>	ICC Dining Hall	
13:30 – 15:00	Doctoral & Masters Consortium - Student challenges	ROOM 5	Melissa Densmore, Jacki O'Neill and Nic Bidwell
15:00 – 15:30	<i>Afternoon Tea/Coffee</i>	ICC Foyer	
15:30 – 17:00	Doctoral & Masters Consortium - Student challenges	ROOM 5	Melissa Densmore, Jacki O'Neill and Nic Bidwell

**Prof. 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-designing 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.

**Prof. 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 logic 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.

**Prof. Audrey Julia Waleghwa Mbogho** is the chair of Computer Science Department at Pwani University, Kilifi, Kenya.

## 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 B1

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

#### VENUE: IMBIZO B2

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

**VENUE: REGENCY 2**

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
09:00-10:30	1/4	<i>Decolonizing the Computing Curriculum: Aligning Stakeholders for an African-Centric Education</i>	Mdwaba, Sonwabo Mzolisi; Gamundani, Attlee; Jere, Nobert; Bulane, Relebohile; Jere, Tanaka & Madikiza, Nation;  <b>Presenters:</b> Sonwabo Mdwaba, Alfred Mapfumo, Nontyatyambo Pearl Dastile, Grace Okuthe, Makhi Zihlangu, Olutoyin Olaitan, Same Takavarasha, Tanaka Jere, Dr Alcardo Alex Barakabitze	FULL DAY
10:30-11:00	<b>MID-MORNING TEA/COFFEE</b>			
11:00-12:30	2/4	<i>Decolonizing the Computing Curriculum: Aligning Stakeholders for an African-Centric Education</i>	Mdwaba, Sonwabo Mzolisi; Gamundani, Attlee; Jere, Nobert; Bulane, Relebohile; Jere, Tanaka & Madikiza, Nation;  <b>Presenters:</b> Sonwabo Mdwaba, Alfred Mapfumo, Nontyatyambo Pearl Dastile, Grace Okuthe, Makhi Zihlangu, Olutoyin Olaitan, Same Takavarasha, Tanaka Jere, Dr Alcardo Alex Barakabitze	FULL DAY

**LUNCH – ICC RESTAURANT (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 B1**

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

**VENUE: IMBIZO B2**

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

**VENUE: REGENCY 2**

TIME	Part	WORKSHOP TITLE	AUTHORS	Duration
13:30-15:00	3/4	<i>Decolonizing the Computing Curriculum: Aligning Stakeholders for an African-Centric Education</i>	Mdwaba, Sonwabo Mzolisi; Gamundani, Attlee; Jere, Nobert; Bulane, Relebohile; Jere, Tanaka & Madikiza, Nation;  <b>Presenters:</b> Sonwabo Mdwaba, Alfred Mapfumo, Nontyatyambo Pearl Dastile, Grace Okuthe, Makhi Zihlangu, Olutoyin Olaitan, Same Takavarasha, Tanaka Jere, Dr Alcardo Alex Barakabitze	FULL DAY
15:00-15:30	<b>AFTERNOON TEA/COFFEE</b>			
15:30-17:00	4/4	<i>Decolonizing the Computing Curriculum: Aligning Stakeholders for an African-Centric Education</i>	Mdwaba, Sonwabo Mzolisi; Gamundani, Attlee; Jere, Nobert; Bulane, Relebohile; Jere, Tanaka & Madikiza, Nation;  <b>Presenters:</b> Sonwabo Mdwaba, Alfred Mapfumo, Nontyatyambo Pearl Dastile, Grace Okuthe, Makhi Zihlangu, Olutoyin Olaitan, Same Takavarasha, Tanaka Jere, Dr Alcardo Alex Barakabitze	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, Kaulyaalwa 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; livari, 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

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

### DAY 3 – WEDNESDAY, 29 NOVEMBER 2023

#### Virtual Connection Via Zoom Link:

<https://us02web.zoom.us/j/85220018504?pwd=MEIUQnBoWGkweVdBallaOU5SOEIRUT09>

INTERNATIONAL CONVENTION CENTRE (ICC)			
TIME	SESSION	VENUE	SESSION ACTIVITIES
08:00 – 08:30	Welcome Tea/Coffee Registration	ICC Foyer	Conference participants not yet registered will register Delegates collect conference welcome bags
08:30 – 10:30	Official Opening	IMBIZO A	<i>Session Chair: Sibukele Gumbo</i> Welcome Address: Mzolisi Payi – WSU Director Community Engagement and Internationalisation Overview of AfriCHI: Nobert Jere (AfriCHI 2023 General Co-Chair) Demonstrations: Prototypes and Entrepreneurships Opening Address: WSU Vice Chancellor and Principal: Prof Rushiella Songca – Represented by: Dr Msimelelo Siswana Keynote Speaker: Dr Dimeji Onafuwa, Principal UX Research Manager at Microsoft, USA
10:30 – 11:00	Mid-morning Tea/Coffee Break	ICC Foyer	

#### Brief Profile of Key Note Speaker:

##### Dimeji Onafuwa, PHD.

Dr. Dimeji Onafuwa is a design research leader, artist, and educator whose interests intersect with transition design, the pluriverse, and how design can enable living together. Dimeji earned a Ph.D. in Design from Carnegie Mellon University. His doctoral study investigated commons-based approaches to user experience on platforms, including a funded research study with the Human Computer Interaction Institute on Understanding the Needs of Prospective Tenants. Dimeji also holds an MBA in Management from University of North Carolina at Charlotte and a BA in design and studio art from Concord University. He is currently a Principal UX Research Manager at Microsoft.

Dimeji co-founded Common Cause Collective, an interdisciplinary group of designers applying transition design methodologies to wicked problems in the Pacific Northwest. He has published several papers, written a number of book chapters, and delivered keynote addresses and workshops on design and social justice. He was recently selected to give a graduation address at University of Washington department of Human Centered Design and Engineering (HCDE) graduation ceremony. He also serves on the Advisory Board at that institution. As an artist, Dimeji's work features in exhibitions at galleries and museums, including the Harvey B. Gantt Center for African American Art and Culture based in Charlotte North Carolina.

## PARALLEL MORNING SESSIONS

**VENUE: IMBIZO A: Virtual Connection Via Zoom Link:** <https://us02web.zoom.us/j/85220018504?pwd=MEIUQnBoWGkweVdBallaOU5SOEIRUT09>

THEME	TIME	S/N	TITLE	AUTHORS	PAPER TYPE
<b>Designing and understanding immersive experiences</b>  <i>Session chair:</i> Dharm Singh Jat	11:00-11:20	1	<i>A Community-Based Exploration Into Gesture-driven Locomotion Control in Virtual Reality</i>	Arendttorp, Emilie; Auala, Selma; Winschiers-Theophilus, Heike; Rodil, Kasper; Magot, Samkao	Full paper
	11:20-11:40	2	<i>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</i>	Sakpere, Aderonke Busayo; Ezika, Ijeoma J.F.; Isafiade, Omowunmi E.	Short paper
	11:40-12:00	3	<i>The relationship of visual and aural perspective with decentering in virtual reality</i>	Bosman, Isak de Villiers; Bujić, Mila; Cosio, Laura Diana; Buruk, Oğuz Turan; Jørgensen, Kristine; Hamari, Juho	Short paper
	12:00-12:20	4	<i>Exploring The Place of Immersive Technology for Improved Anatomy Education: A Pilot Study</i> <b>(Zoom Virtual / recorded author presentation)</b>	Peck, Ayesha; Isafiade, Omowunmi Elizabeth; Kotze, Christina Retha	Short paper

**VENUE: REGENCY 2 - Virtual Connection Via Zoom Link:** <https://us02web.zoom.us/j/85220018504?pwd=MEIUQnBoWGkweVdBallaOU5SOEIRUT09>

THEME	TIME	S/N	TITLE	AUTHORS	PAPER TYPE
<b>Education, digital learning, and the future of work</b>	11:00-11:20	1	<i>The Effects of Technostress on Academic Commitment Among First-year Undergraduate Students at an Institution of Higher Education in South Africa.</i>	Mangundu, John	Full paper

<b>Session Chair:</b> Omowunmi Isafiade	11:20-11:40	2	<i>Development and Evaluation of a Mobile App to Support Reading Education</i>	Mthethwa, Lindiwe; Matthews, Paul	Short paper
	11:40-12:00	3	<i>Can Large Language Models support medical facilitation work? A speculative analysis</i>	Najeeb Gambo Abdulhamid, Millicent Ochieng, Kalika Bali, Elizabeth Ankrah, Naveena Karusala, Keshet Ronen, Jacki O'Neill	Short paper
	12:00-12:20	4	<i>Designing a voice-controlled dialogue system for workplace learning of routine physical workers</i>	Ogunyemi, Abiodun Afolayan; Einsok, Kevin-Kaspar; Berkovitch, Karl Joonas; Köressaar, Uku; Prantsu, Sten-Kristjan; Quaicoe, James Sunney, Bauters, Merja	Short paper

### **LUNCH – ICC RESTAURANT (12:30 – 13:30)**

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

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### **PARALLEL AFTERNOON SESSIONS**

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**VENUE: IMBIZO A - Virtual Connection Via Zoom Link:** <https://us02web.zoom.us/j/85220018504?pwd=MEIUQnBoWGkweVdBallaOU5SOEIRUT09>

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

**VENUE: REGENCY 2 - Virtual Connection Via Zoom Link:** <https://us02web.zoom.us/j/85220018504?pwd=MEIUQnBoWGkweVdBallaOU5SOEIRUT09>

THEME	TIME	S/N	TITLE	AUTHORS	PAPER TYPE
<b>HCI design, theory and methods</b>  <i>Session chair:</i> Melissa Densmore	13:30-13:50	1	<i>"Remembering" as a Decolonial Praxis in African HCI and Design</i>	Adamu, Muhammad; Nkwo, Makuochi	Full paper
	13:50-14:10	2	<i>A Need-Finding Study with Low-Resource Language Content Creators</i> <b>(Zoom Virtual / recorded author presentation)</b>	Nigatu, Hellina Hailu; Canny, John; Chasins, Sarah	Short paper
	14:10-14:30	3	<i>Lions out of Bounds? Reflections on Digital Technology and Matristic Design to address Human-Wildlife Conflict</i> <b>(Zoom Virtual / recorded author presentation)</b>	Grinko, Margarita; Aal, Tanja; Aal, Konstantin; Hauptmeier, Helmut; Wulf, Volker	Short paper

<b>Health and wellness</b>  <i>Session chair:</i> Obinna Anya	14:50-15:10	4	<i>Exploring the Integration of a Patient-Generated Health Data in a FAIR Digital Health System in Low-Resourced Settings: A User-Centered Approach</i>	Kawu, Abdullahi Abubakar; Kievet, Rens; Abubakar, Adamu; van Reisen, Mirjam; O'Sullivan, Dympna; Hederman, Lucy	Full paper
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### AFTERNOON TEA (15:10 – 15:40)

**VENUE:** IMBIZO A - Virtual Connection Via Zoom Link: <https://us02web.zoom.us/j/85220018504?pwd=MEIUQnBoWGkweVdBallaOU5SOEIRUT09>

THEME	TIME	S/N	TITLE	AUTHORS	INTERACTIVE
<i>Session Chair:</i> Poonam Dhaka	15:40-17:00	6	<b><i>African Co-Design: Past, Present, and Emerging</i></b>	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	<b>PANEL</b>

**VENUE:** REGENCY 2 - Virtual Connection Via Zoom Link: <https://us02web.zoom.us/j/85220018504?pwd=MEIUQnBoWGkweVdBallaOU5SOEIRUT09>

THEME	TIME	S/N	TITLE	AUTHORS	PAPER TYPE
<b>Privacy, the web, social media and digital markets</b>  <i>Session chair:</i> Makuochi Nkwo	15:40-16:00	1	<i>Unmasking the Potential of Usable Security and Privacy Technologies in Empowering African Digital Landscapes</i>	Gamundani, Attlee Munyaradzi	Full paper
	16:00-16:20	2	<i>Social Media Influencers and the Consumer Behaviour of Women in Saudi Arabia</i>	Alhomaid, Hadeel	Full paper
	16:20-16:40	3	<i>Exploring the nexus of Social Media Networks and Instant Messengers in Collaborative Type 2 Diabetes care: A Case Study of Port Harcourt, Nigeria</i>	Arueyingho, Oritsetimeyin; O'Kane, Aisling Ann; Aprioku, Jonah Sydney; Marshall, Paul	Short paper

## DAY 4 – THURSDAY, 30 NOVEMBER 2023

Virtual Connection Via Zoom Link: <https://us02web.zoom.us/j/85220018504?pwd=MEIUQnBoWGkweVdBallaOU5SOEIRUT09>

INTERNATIONAL CONVENTION CENTRE (ICC)			
TIME	SESSION	VENUE	SESSION ACTIVITIES
08:30 – 09:00	Welcome Tea/Coffee	ICC Foyer	
09:00 – 10:30	Keynote & cultural item	IMBIZO A	<b>Session Chair:</b> Nobert Jere (WSU) Keynote: 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
<b>Community and participatory design</b>  <b>Session chair:</b> Heike Winschiers-Theophilus	11:00-11:20	1	<i>Co-Design of a Patient Fall Risk Prevention Service Powered by Machine Learning</i>	Rizzo, Antonio; Guiducci, Leonardo; Ermini, Sara; Caponi, Anna; Valli, Benedetta	Full paper
	11:20-11:40	2	<i>Analyzing Digital Practices in Indigenous Communities: A Foucauldian Sociotechnical Demarginalizing Method</i>	Naidoo, Rennie; Adebessin, Funmi	Full paper
	11:40-12:00	3	<i>Infusing Futuring into Community-based Co-design: A Pathway to Innovative Technology Design with Indigenous Communities in Africa</i>	Muashekele, Chris; Winschiers-Theophilus, Heike; Rodil, Kasper	Full paper
	12:00-12:20	4	<i>Reconsidering Network Management Interfaces for Communities</i>	Ndinelaio litumba, Siddhant Shinde, Deysi Ortega, Naveen Bagalkot, Nervo Verdezoto, Ganief Manuel, TB Dinesh, Melissa Densmore	Full paper
	12:20-12:40	5	<i>Developing an ethnobotanical application with and for Ovahimba communities</i>	Chitakunye, Rumbidzai; Winschiers-Theophilus, Heike; De Cauwer, Vera; Mukumbira, Sebastian	Full paper

	12:40-13:00	6	<i>Collective co-design activities with children for designing classroom robots</i> <b>(Zoom Virtual / recorded author presentation)</b>	Obaid, Mohammad; Kırlangıç, Güncel; baykal, Gökçe Elif; Göksun, Tilbe; Yantaç, Asım Evren	Full paper
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**VENUE: REGENCY 2**

THEME	TIME	S/N	TITLE	AUTHORS	PAPER TYPE
<b>UX methods and practices</b>  <i>Session chair:</i> Abiodun Ogunyemi	11:00-11:20	1	<i>Usability and User Experience of Mobile Applications: A Case of Functional Illiterates in Nigeria</i>	Mohammed, Khadijah Danjuma; Uren, Victoria; Joel-Edgar, Sian; Omonedo, Priscilla	Full paper
	11:20-11:40	2	<i>An Integration Model to Enhance Information Systems Administration and Data Sharing – A Case Of Namibian Lower Courts</i>	Namutenya, Mewiliko Jimmy; Shaanika, Irja Naambo	Short paper

**LUNCH – ICC RESTAURANT (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	<b>EXHIBITION: POSTERS</b>	ICC Foyer	An opportunity for researchers and practitioners to show and discuss their recent work, services, interactions, and experience.
14:00 – 16:00	<b>EXHIBITION: DEMO 1</b>	ICC Foyer	<b><i>Let's dance /Hi//Ka//Kusi with non-player character Ju/'Hoansi women in Virtual Reality</i></b> 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
18:00 – 22:00	<b>GALA DINNER</b>	IMBIZO A	Dinner and formal event (includes Dignitaries, Entertainment, and Conference Awards)

## DAY 5 – Friday, 1 December 2023

INTERNATIONAL CONVENTION CENTRE (ICC)			
TIME	SESSION	VENUE	SESSION ACTIVITIES
08:30 – 09:00	Welcome Tea/Coffee	ICC Foyer	
09:00 – 09:30	Keynote	IMBIZO A	<i>Session Chair:</i> Bukelwa Ngoqo (NMU) Local Keynote: Trevor Rammitlwa – CEO, Nemisa
09:30 – 10:30	<b>ROUNDTABLE DISCUSSION</b> <i>Session Chair:</i> Bukelwa Ngoqo	IMBIZO A	<b><i>CIO roundtable on HCI, eGovernment and cybersecurity in the Public Sector</i></b>
10:30 – 12:00	<b>PANEL SESSION</b> <i>Session Chair:</i> Anicia Peters	IMBIZO A	<b><i>HCI Practice and Career Progression</i></b> Anya, Obinna; Ogunyemi, Abiodun
12:00 – 12:30	<b>OFFICIAL CLOSING</b>	IMBIZO A	General Co-Chair: Nobert Jere (WSU) Local Organising Chair: Bukelwa Ngoqo (NMU)

## POSTERS – ICC Foyer

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	<i>Utilising Web 3 in improving public service governance in developing democracies: Nigeria as a case study.</i>	Efobi, Lilian; Onwukwe, Anthony
2	<i>Understanding Voter Apathy in Nigeria: A probabilistic graphical model approach</i>	Ohue, Peter Oseghale; Okunlola, Oluyemi Adewole
3	<i>IoT WDoH Milk Bank monitoring system</i>	Johnston, Keanu Micheal; Henney, Andre
4	<i>Defining Functional Illiteracy to Empower Inclusive Technology Design</i>	Mohammed, Khadijah Danjuma; Uren, Victoria; Joel-Edgar, Sian; Omonedo, Priscilla
5	<i>Bridging Spaces: A Student Perspective on Designing for Remote Presence with 3D Holograms</i>	Mendes, Jason; Auala, Selma; Winschiers-Theophilus, Heike; Suovuo, Tomi "bgt"; Sutinen, Erkki; Montero, Calkin Suero; Goagoses, Naska
6	<i>Critical success factors for human-centred learning analytics systems design</i>	Chomunorwa, Silence; Berg, Carolien; Janjties, Mmaki
7	<i>Visually Impaired Users' Access to Online Academic Result in Nigerian Higher Education Institutions: An Exploratory Design Needs Study</i>	Abdulkadir, Abdulnazif; Kawu, Abdullahi Abubakar; Abdullahi, Ibrahim; Sarki, Bashir Yaya; Idris, Rabi

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