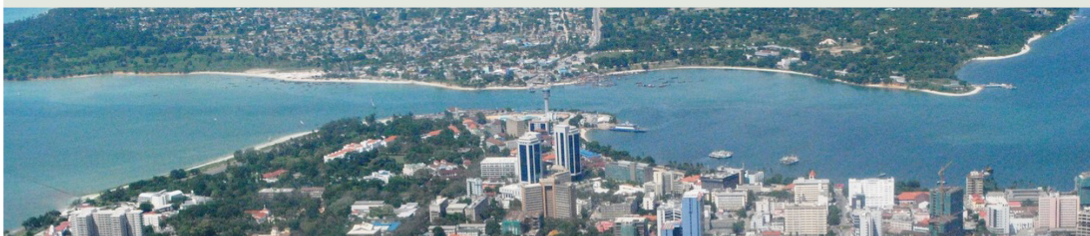




THE AGA KHAN UNIVERSITY

AFRICME 5

DAR ES SALAAM TANZANIA Aug 2018



WELCOME to AFRICME 5

The Aga Khan University (AKU) Institute for Educational Development East Africa, in collaboration with the International Commission on Mathematical Instruction (ICMI) has the pleasure of organizing the fifth Africa Regional Congress of ICMI on Mathematical Education (AFRICME). The AFRICME was launched in 2005 and aims at offering a forum for mathematics educators throughout Africa. This event will take place at the AKU campus in Dar es Salaam Tanzania from August 29-31, 2018.

The AFRICME program will offer an exciting combination of keynote lectures, panel and round table discussion, paper presentations, workshops, East Africa presentations, displays of local teaching learning materials and posters. Focus in all these will be on key developments and research in mathematics education in sub-Saharan Africa, particularly the Eastern and South-Eastern countries. Participants will be able to meet with educators and experts from the continent and get some insights into the African mathematics traditions.

The congress venue is centrally located in Dar es Salaam which is East Africa's second-busiest port and Tanzania's commercial hub. The city has a rich eclectic architecture reflecting African, Indian and German influences. It offers a wide array of craft markets and restaurants. You are most welcome to attend the AFRICME and also enjoy the local culture – Karibu Sana!

Important dates

Submission of Abstract - **March 31, 2018**

Notification of Status - **April 30 2018**

Submission of full paper - **June 15 2018**

Registration Opens - **May 2, 2018**

Early Bird Registration - **May 31, 2018**

Regular Registration - **August 1, 2018**

Onsite Registration - **Subject to availability of seats**



Anjum Halai
AFRICME Chair



Fredrick Mtenzi
Co-chair

For further information contact:
Fredrick Mtenzi: fredrick.mtenzi@aku.edu

The Africa Regional Congress of ICMI on Mathematical Education (AFRICME 5)

Second Announcement and Call for Proposals

1. Aims of AFRICME 5

AFRICME 5 aims at offering a forum for mathematics educators throughout Africa.

Specifically AFRICME 5 aims to:

- promote exchange of ideas on approaches to achieve quality mathematics education within Africa and beyond;
- encourage collaborative research in quality mathematics education at all levels;
- disseminate findings of regionally relevant research on mathematics education;
- provide a forum for mathematics educators and mathematicians to connect, network with each other.

2. AFRICME 5 Theme

Quality Mathematics Education for All

Sub-themes

Abstracts are invited in the following areas:

- Effective initial and continuing mathematics teacher education
- Inclusion and equity in mathematics education (gender, multilingualism, special needs)
- Mathematics knowledge in and for teaching
- Integrating ICT in mathematical education
- Mathematical thinking for nurturing quality education
- Assessment and evaluation issues in mathematics education
- The role of contextually relevant research in quality mathematics education

3. Who should participate in AFRICME 5

The congress invites mathematicians, mathematics educators, teacher educators, teachers, students, curriculum developers, school inspectors, policy makers, researchers, and anybody interested or involved in the teaching and learning of mathematics.

4. AFRICME 5 Program and Activities

a. Keynote Address

Highly esteemed researchers in the field of mathematics education will deliver keynote address on issues of relevance to the AFRICME5 theme.

b. Invited Symposia

At least two invited symposia will be organized on key issues of relevance to mathematics education. One symposium will be entitled, **'Developing a research community: role of graduate programs'**. The second one will focus on, **'Publishing in the era of digital technology: potential and pitfalls'**.

c. Paper Presentation

Papers are invited on a recently completed or an ongoing study. The paper must provide a description of the context of the study, research methods including analysis, a concise overview of the new results attained, and implications of these results. Papers that present new and significant research in Africa are especially encouraged.

Papers must be written in English and include an abstract (see guidelines for abstract submission below). The papers must be a maximum of 4 pages long and in accordance with the template provided by AFRICME5 organizers.

Paper accepted will be allotted a 25-minute slot on the AFRICME5 program. This includes 15 minutes for presentation and 10 minutes for discussion on the presentation.

All abstracts for papers must be submitted using the following email address AFRICME2018@aku.edu.

d. Poster Presentation

Posters are invited for recently completed or ongoing research that may be best communicated in a visual form rather than an oral presentation. Poster presentation may be a suitable medium for researchers who feel constrained by limited capability in English language and find the visual medium more suited to their needs.

Formal presentation will not be made on posters. However, there is time allotted during which presenters will be available by their posters for discussion with conference participants.

Posters must provide a description of the context of the study, research methods including analysis, a concise overview of the new results attained, and implications

of these results. Posters that present new and significant research in Africa are especially encouraged.

Abstract for a poster must be written in English (see guidelines for abstract submission) and must be according to the template/guideline provided by the organizers.

All abstracts for posters must be submitted using the following email address AFRICME2018@aku.edu.

e. Workshops

The following workshops will be offered at AFRICME5. Seats in the workshops would be limited and will be offered on a first-come, first-served basis. The topics of the workshops are as follows:

Workshop One: Overcoming learning difficulties in basic computation.

Workshop leader(s):

Prof. Andrea Peter-Koop
Institut für Didaktik der Mathematik
Universität Bielefeld
Universitätsstraße 25
33615 Bielefeld
GERMANY

Veronica Sarungi
Aga Khan University
Institute for Educational Development in East Africa
Dar es Salaam,
TANZANIA

Workshop Two: Use of ICT in mathematics teaching and learning

Workshop leader(s):

Dr. Alphonse Uworwabayeho
School of Education
University of Rwanda-College of Education
Kigali
RWANDA

Workshop Three: African Data Initiative

Workshop leader(s):

Dr. David Stern

Innovations in Development, Education and the Mathematical Sciences-IDEMS.

James Khaleli Musyoka

Maseno University

School of Mathematics, Statistics and Actuarial Science

P.O Box 333 - 40105

Maseno

KENYA

Mbasu Zachariah

African Maths Initiative,

P. Box 3429 - 40100

Kisumu

KENYA

Workshop Four: Preparing low cost materials for mathematics teaching and learning

Workshop leader(s): to be confirmed

Workshop Five: Developing mathematical thinking.

Workshop leader(s): to be confirmed

Workshop Six: Classroom-based research for mathematics Learning.

Workshop leader(s): to be confirmed

f. East Africa Regional Presentations

AFRICME5 will provide a forum for members of East African countries to present the state-of-the-art on mathematical educational initiatives including national policy initiatives aimed at improving the quality of Mathematics education. These would be invited presentations.

g. Round Table Discussion: The Future of AFRICME

A round table discussion will be held to engage participants in a discussion about the future direction(s) of AFRICME.

h. Networking Breaks

Networking breaks will be scheduled as part of the program where informal interest groups can get together to network and discuss potential collaboration(s).

i. Display of Materials

AFRICME5 participants are encouraged to bring teaching and learning materials, and slots will be allocated for display.

5. Call for abstracts and submission guidelines

AFRICME5 participants are invited to submit abstracts for presentations in the form of papers or posters. Provided below are the guidelines for submission of abstract for papers and posters:

- Abstract should relate to at least one of the sub-themes of the AFRICME5 and conform to the aim of AFRICME. Authors are requested to indicate the theme to which their abstract is directed
- At least one author must register and present the paper
- You can submit your abstract by email AFRICME2018@aku.edu
- All abstract must conform to the respective template (attached).
- When sending your submission by email please save the file as AFRICME5-Firstname-Lastname. The subject line of your email must indicate your full name and the theme for which the abstract is submitted

6. Registration

All AFRICME 5 attendees have to register by completing a registration form that will be provided with the third and the final announcement.

Registration rates are provided below (Registration covers participation in the scientific program, conference folder, ground transport from designated pick-up points, tea and lunch during the conference).

- | | |
|----------------------------|---------------|
| • International delegates | US\$ 150 |
| • Local delegates | TZS 150,000/- |
| • Students (local) | TZS 70,000/- |
| • Students (International) | US\$ 35 |

Please note that all prices are given in Tanzanian shillings and where relevant are given in US Dollars.

7. Guidelines for payment of registration fee

a. Direct deposit or money transfer

Registration fees may be deposited directly into the bank account named below:

Account name: Aga Khan University

Bank Name: Diamond Trust Bank Tanzania Limited

Branch: Mosque Street Branch, Dar es Salaam.

Account number:

TZS: 0092897001

US\$: 0092897002

Swift code: DTKETZTZ

b. Mobile money (e.g. M-Pesa) and credit card

Details on paying registration fees by mobile money and credit cards will be available in the third and final announcement that will be circulated before the registration opens in May 2018.

8. AFRICME5 support fund

A limited amount of funding is available to provide *partial* support for participation in AFRICME5. Applicants must have an abstract accepted for a poster or a paper presentation in AFRICME5. Preference would be given to applicants from low-income/lower-middle income countries (Worldbank Classification). Deadline for submission of applications to AFRICME5 support fund and other procedural details would be available in the third and final announcement.

9. Visas and travelling information

Delegates who will require visas to Tanzania are advised to contact the nearest embassy or consulate, information can also be obtained from <https://www.immigration.go.tz/index.php/en/services/visa-information>. If you require a letter for the purposes of applying for a visa then send an email to Rosemary Stephen, rosemary.stephen@aku.edu, or you may wish to call +255-758-997797.

Air travelling participants should book flights landing at Julius Nyerere International Airport Dar es salaam - Tanzania. The airport is about 12 kilometers from the City Centre. The prices of taxis from the Airport to the City Centre range from thirty five thousand Tanzanian shillings to forty thousand Tanzanian shillings.

10. Accommodation

A list of hotels will be provided in the third and final announcement.

Low cost shared accommodation with breakfast will be available at the Aga Khan University Students' Housing at a subsidized rate of \$20 per night per person.

11. AFRICME correspondence details

All correspondence should be directed to AFRICME2018@aku.edu or telephone number +255-758-997797.

12. Important dates

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- Notification of Status - April 30 2018
- Submission of full paper – June 15 2018
- Registration Opens – May 2, 2018
- Early Bird Registration – May 31, 2018
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- Onsite Registration – Subject to availability of seats

13. AFRICME 5 Committees

International Advisory Committee

1. Prof. Anjum Halai (Chair), anjum.halai@aku.edu, Aga Khan University, Pakistan
2. Dr. Fredrick Mtenzi,(Co-chair) fredrick.mtenzi@aku.edu, Aga Khan University, Tanzania
3. Dr. Jean-Luc Dorier, Jean-Luc.Dorier@unige.ch, ICMI, Switzerland
4. Dr. Marguerite Khakasa Miheso-O'Connor, khakasaconnor@gmail.com, Kenyatta University, Kenya
5. Dr. David Stern, d.a.stern@reading.ac.uk, University of Reading, United Kingdom
6. Dr. Lynn Webb, Nelson Mandela Metropolitan University South Africa. President of SAARMSTE lyn.webb@nmmu.ac.za
7. Dr. Alphonse Uworwabayeho, rwabayeho@yahoo.fr, University of Rwanda, Rwanda
8. Dr.AndreaPeter-Koop andrea.peter-koop@uni-bielefeld.de Institut für Didaktik der Mathematik, Universität Bielefeld, Germany

Local Organizing Committee

1. Dr. Fredrick Mtenzi (Chair)– Aga Khan University, Tanzania
2. Peter Kajoro - Aga Khan University, Tanzania
3. Dr. Fulgence Saronga - Aga Khan University, Tanzania
4. Dr. Said Sima – University of Dar es Salaam, Tanzania
5. Veronica Sarungi - Aga Khan University, Tanzania

6. Dr. Amos Mathias – University of Dodoma, Tanzania
7. Isambi Mbalawata – African Institute for Mathematical Sciences, Tanzania

AFRICME 5
Quality Mathematics Education for All
August 29-31, 2018

SCHEDULE	
TIMINGS	Day 1: Wednesday, Aug 29, 2018
7:30-: 8:30	Registration
8:30- 10:00	Opening
10:00 -10:30	Tea break and Networking
10:35 -11:35	Keynote 1
11:40 - 13:40	Parallel Paper Presentations (25 minute per paper including Q/A session) 5 minutes buffer time between each paper
13:40- 14:40	Lunch
14:40-15:40	Three Parallel Workshops
15:45-16:00	Health Break
16:00-17:30	East Africa Presentations

TIMINGS	Day 2: Thursday Aug 30, 2018
8:30 - 9:30	Keynote 2:
9:35 - 10:35	Three Parallel Workshops
10:35 - 11.00	Tea break and Networking
11:05 - 13:05	Parallel Paper Presentations
13:05 - 14:05	Lunch
14:05 - 15:35	Round Table: The Future of AFRICME
15:35 - 15:55	Health Break

16:00 - 17:00	Poster presentations
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TIMINGS	Day 3: Friday August 31, 2018
8:30 - 9:30	Symposia
9:35 - 10:35	Parallel Paper Presentations
10:35 - 11:00	Tea break and Networking
11:05 - 12:05	Display of local teaching-learning materials
12:10 - 14:00	Lunch
14:00 - 14:30	Post-Conference Reflections
14.30 - 15.30	Closing Remarks: Vote of Thanks