



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 28, 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:

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

Third and Final Announcement

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 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 information and communication technology (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

Participants in AFRICME5 include mathematicians, mathematics educators, teacher educators, teachers, students, curriculum developers, school inspectors, policy makers, researchers, and those involved in the teaching and learning of mathematics.

4. AFRICME 5 Program and Activities

a. Keynote Address

Eminent scholar and professor in mathematics education Dr. Barbara Jaworski has graciously consented to be the keynote speaker at AFRICME5.

Professor Jaworski has a career that spans mathematics teaching at secondary level and first-year university level, teacher education at secondary level, and teaching and supervision of doctoral students. Her research has been mainly into the development of mathematics teaching through research and through partnerships between teachers and teacher educators at a range of levels. She was for six years Editor in Chief of the Journal of Mathematics Teacher Education and, for three years, President of PME, the International Group for the Psychology of Mathematics Education.

<http://www.lboro.ac.uk/departments/mec/staff/barbara-jaworski.html>

b. Invited Symposia

Invited symposia will be organized on the following topics:

Topic: Developing a research community: role of graduate programs

Chair: Dr. Jean-Luc Dorier, University of Geneva, the faculty of Psychology and Educational Sciences

Topic: Publishing in the era of digital technology: potential and pitfalls

Chair: Dr. Anthony Essien, Mathematics Education Division, School of Education, University of the Witwatersrand, South Africa

c. Paper Presentation

Papers will be presented on a recently completed or an ongoing study and would cover a range of topics of relevance and significance to mathematics education in low-income countries.

d. Poster Presentation

Posters will be displayed on 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.

e. Workshops

The following workshops will be offered at AFRICME5. Seats in the workshops are 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 leaders:

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:

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

Workshop Three: African Data Initiative

Workshop leaders:

Dr. David Stern
Innovations in Development
Education and the Mathematical
Sciences-IDEMS

James Khaleli Musyoka
Maseno University
School of Mathematics, Statistics and
Actuarial Science
Maseno
KENYA

Mbasu Zachariah
African Maths Initiative
Kisumu
KENYA

Workshop Four: Academic writing

Workshop leader:

Dr. Thorsten Scheiner
The University of Auckland
Auckland
NEW ZEALAND

Workshop Five: Developing mathematical thinking.

Workshop leaders:

Dr. Angelina Bijura
Inspire Secondary School,
P.O.Box 30825,
Mkuza, Kibaha, Pwani,
TANZANIA

Dr. Fredrick Mtenzi
Aga Khan University
Institute for Educational Development in
East Africa, Dar es Salaam,
TANZANIA

Workshop Six: Classroom-based research for mathematics Learning.

Details 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. Presenters are as follows:

Kenya: Dr. Marguerite Khakasa Miheso-O'Connor, Kenyatta University, Kenya

Tanzania: Professor Septimi Kitta, Department of Educational Psychology and Curriculum Studies, Mkwawa University College of Education, Iringa, Tanzania

Uganda: Wanzala Richard, Busuubizi Teachers College, Uganda

Rwanda: Dr. Alphonse Uworwabayeho, Department of Early Childhood and Primary Education, School of Education, College of Education, University of Rwanda, Rwanda

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.

Chair: Veronica Sarungi, Aga Khan University, Institute for Educational Development, East Africa, Dar Es Salaam, Tanzania.

h. Networking Breaks

Networking breaks are 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. Registration

All AFRICME5 attendees have to register by completing a registration form that is provided in this 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.

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

6. 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

Please note: all bank charges will be borne by the sender.

b. Payment on arrival (cash)

Local participants from Dar es Salaam, Tanzania can make payments in cash at the finance office (Aga Khan University, Institute for Educational Development, Salama House, 10 Urambo Street, Upanga, P.O Box 125, 11102 Dar es Salaam)

Please note: Finance office will be open from 9:00–12:00 noon and 2:00–5:00 pm.

7. 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 (World bank Classification). Deadline for submission of applications to AFRICME5 support fund is on the 15th June 2018. Applicants must use the application form provided. Please send your completed forms to AFRICME2018@aku.edu. The decision about the support fund will be communicated by or before 29th June 2018.

8. Visas and travelling information

Visa: 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 call +255-758-997797.

Airport: 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.

9. Accommodation

Below is the list of hotels AFRICME5 attendees may wish to book. Please use the following booking code AFRICME5.

| NAME | LOCATION/PROXIMITY | CATEGORY | CONTACT DETAILS |
|------------------------|------------------------------------|----------|--|
| New Africa Hotel | City Centre | 4 Star | reservations@newafricahotel.com |
| Holiday Inn Hotel | City Centre | 4 Star | reservations@holidayinn.co.tz |
| Nikko Hotel | City Centre - Agrey/Jamhuri street | 3 Star | reservations@hotelnikkotowers-tz.com |
| Hotel Sapphire | kisutu /Mtendeni Street | 3 Star | reservation@hotelsapphire.tz |
| Urban Rose | Jamhuri street | 4 Star | info@rosehotel.co.tz or gm@rehotel.co.tz |
| Golden Tulip Hotel | City Centre | 4 Star | info@goldentulipdarcitycenter.com |
| Protea Courtyard Hotel | Sea View/Barack Obama road | 3 Star | info@phcourtyard.com |
| Coral Beach Hotel | Masaki | 4 Star | reserv@coralbeach-tz.com |
| Colosseam Hotel | Oysterbay | 4 Star | reservations@colosseumtz.com |
| Slipway Hotel | Masaki | 4 Star | |

Please note the rates are available to the AFRICME5 attendees only.

Low cost shared accommodation will be available at the Aga Khan University Students' Housing at a subsidized rate of \$20 per night per person. Please submit your application before the 15th June 2018.

10. AFRICME correspondence details

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

11. Important dates

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- Onsite registration – Subject to availability of seats

12. 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. Andrea Peter-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 (20 minute per paper including Q/A session) |
| 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 | Parallel Paper Presentations (20 minute per paper including Q/A session) |
| 9:35 - 10:35 | Three Parallel Workshops |
| 10:35 - 11:00 | Tea break and Networking |
| 11:05 - 13:05 | Parallel Paper Presentations (20 minute per paper including Q/A session) |
| 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 |

| | |
|----------------|--|
| TIMINGS | Day 3: Friday August 31, 2018 |
| 8:30 - 9:30 | Symposia |
| 9:35 - 10:35 | Parallel Paper Presentations (20 minute per paper including Q/A session) |
| 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 |