



## AFRICME 07: Acknowledging and Addressing Barriers of Mathematics Education for an Inclusive Africa

# W elcome to AFRICME 7

The Wits School of Education, in collaboration with the International Commission on Mathematics Instruction (ICMI), welcomes you to the 7<sup>th</sup> African Regional Congress of ICMI on Mathematics Education (AFRICME 7). AFRICME was launched at the Wits School of Education in 2005 and aims at offering a forum for mathematics educators throughout Africa. AFRICME returns to its place of birth and will take place from the 15<sup>th</sup> of July to the 18<sup>th</sup> of July, 2025.

AFRICME 7 programme will offer an exciting combination of keynote lectures, paper presentations, symposia, and 'How I teach' presentations. The focus of these presentations will be on key educational developments and research in mathematics education in Africa in general. Participants will be able to meet with educators and experts from the continent to gain some insight into research that are being conducted in the different parts of the continent.

Wits School of Education is one of the schools in the Humanities Faculty of the University of the Witwatersrand and is located in the lush suburb of Parktown.

### IMPORTANT DATES

17<sup>th</sup> March 2025

Submission of papers: ~~28<sup>th</sup> February 2025~~

Notification of Acceptance: 30<sup>th</sup> April 2025

Submission of revised papers: 30<sup>th</sup> May 2025

Early Bird Registration: 15 May 2025

Regular Registration: 1-5 June 2025

## The 7<sup>th</sup> Africa Regional Congress of ICMI on Mathematical Education (AFRICME 7)

### Second Announcement

This is the second announcement calling for proposals from mathematics education and STEM education researchers to be submitted for the African Chapter of International Congress of Mathematics Education (AFRICME 7) conference that will be held in Johannesburg, South Africa - in 2025. The types of contributions include Long Papers, Short Papers, Working Groups, Posters, and Symposia. Interested teachers are also invited to submit “How I Teach” or “How to Teach” papers to present during the Mathematics Teacher Professional Development parallel sessions. These submissions are **not compulsory for participating teachers** but are encouraged for the conference.

#### 1. CONFERENCE VENUE AND DATES:

The conference will be held at the School of Education, University of Witwatersrand School of Education, 27 St Andrews Road, 2050, Parktown, Johannesburg, South Africa. The conference will be on the 15<sup>th</sup> to 18<sup>th</sup> July, 2025. In addition, a pre-conference Teachers’ Day dedicated to Mathematics Teachers’ Professional Development will be held on Monday 14<sup>th</sup> July, 2025.

#### 2. AFRICME 7 CONFERENCE QUERIES should be addressed to:

Prof Judah P. Makonye (Chair-Local Steering Organising Committee); School of Education, University of the Witwatersrand, Johannesburg

Email judah.makonye@wits.ac.za

Professor Kakoma Luneta (Co-Chair): Department of Childhood Education, University of Johannesburg, Johannesburg

Email kluneta@uj.ac.za

Annie KGOSI (Administration Secretary)

Email: annie.kgosi@spu.ac.za

Dr Aarifah Gardee (Fundraising Chair): School of Education, University of the Witwatersrand, Johannesburg

Email aarifah.gardee@wits.ac.za

#### 3. REGISTRATION FEES AND ACCOMMODATION

- The conference registration fee is R5500.00
- The teachers’ registration fee is R2500.00
- Students (under-graduate and post-graduate) will pay a fee of R1500,00 to attend/present at the conference.
- Daily Registration for delegates will be R2000

The accommodation of delegates will be in the hotels near the University of the Witwatersrand School of Education. The nearby hotels are located around Braamfontein, Parktown, Rosebank, Greenside. The hotels can easily be located via the Web. Names of recommended lodges will be provided in the third and final Announcement. A special request has been made for delegates who choose to stay in university hostel accommodation. Note that delegates will pay for their any accommodation on campus and outside campus.

#### 4. MATHEMATICS TEACHER PROFESSIONAL DEVELOPMENT

The professional development for teachers' programme is motivated by the need for the conference to impact community engagement particularly for the host country, South Africa.

- The pre-conference Teacher's Day will be held before the start of the conference
- Thereafter, all teachers attending the conference can join the rest of the conference. There will be a Teacher Professional Development parallel session every day during the duration of the conference.
- Experts will be sought to lead professional development sessions at Foundation Phase, Inter-Sen and FET phases

#### 5. CONFERENCE THEME: ACKNOWLEDGING AND ADDRESSING BARRIERS OF MATHEMATICS EDUCATION FOR AN INCLUSIVE AFRICA.

Key subthemes are:

- inclusivity and diversity within the mathematics classrooms during the AI era.
- leveraging technology to enhance mathematics learning experiences in the AI age
- the mathematics of data science in the AI age
- cultural and socially aligned mathematics pedagogy (ethnomathematics, Indigenous knowledge) in the AI age
- pedagogical issues in mathematics education and mathematics teacher professional at primary and high school
- trans and inter-disciplinary STEM education
- language and communications in mathematics education
- mathematical modelling and computational thinking
- use of textbooks as resources for teaching and learning mathematics

#### 6. SCIENTIFIC ENGAGEMENT: WHAT CAN DELEGATES SUBMIT?

Participants can submit for review; Long Papers, Short Papers, Working Groups, Posters, and Symposia. Interested teachers can submit 'How I teach' papers but this is not a compulsory requirement for teachers to attend the conference. All submissions will undergo blind review.

#### 7. PUBLICATION OF PAPERS FROM THE CONFERENCE

Arrangements have been made for publications in Special Issues of the following journals:

- (a) the African Journal of Teacher Education and Development (AJOTED) and,
- (b) the African Journal of Research in Mathematics, Science and Technology Education (AJRMSTE)
- (c) the Computational Thinking Papers to Contribute to the AJRMSTE Special Issue.

All presenters will have the opportunity of developing their papers further and submitting to these journals.

#### ACTIVITY TIMELINES

Paper Activities Date First announcement (call for papers)

Paper Activities	Dates
Second announcement	13 January 2025
Submission of proposals	<del>28 February 2025</del> 17 <sup>th</sup> March 2025
All review feedback to authors	30 April 2025
On-line registration opens	15 May 2025
Submission of re-worked papers	30 May 2025

Presentation uploads by:	7 June, 2025
Deadline for payment of registration fees by all presenters/participants	5 June, 2025
Final programme released to presenters and the public	10 June, 2025

## 8. LONG PAPERS

4500- 6000 words (excluding Abstract but including Reference list). Long papers should follow a format similar to articles/papers required by journals: i.e. abstract, introduction, literature review/conceptual framework, theoretical framework, methodology, findings, discussion and conclusion. Author details must be excluded for double blind peer review. Long papers are reviewed by at least 2 expert reviewers. Should a paper not be accepted for presentation as a long paper, it is possible that the author may be asked to reduce the length of the paper to meet the requirements and deadlines for a short paper

## 9. SHORT PAPERS:

500 words abstract (including Reference list). Short papers should highlight preliminary findings and the significance of the research. Author details must be excluded for the double-blind peer review.

Short papers will be reviewed by 2 expert reviewers.

## 10. POSTER PRESENTATIONS:

500 words abstract (including Reference list). Poster abstracts should highlight preliminary findings and the significance of the research. Author details must be excluded for the double-blind peer review. Poster abstracts will be reviewed by 2 expert reviewers.

## 12. SYMPOSIA/PANEL DISCUSSION

These are discussions around a central theme or issue where different points of view, approaches, debates, or analysis of the same problem are presented. The paper should provide a short outline of the whole symposium. Details of each speaker's contribution should be outlined, including how these come together to create a forum for discussion and debate.

Note: The symposium is not a platform for a collection of short papers presented under the auspice of one supervisor or researcher. 90-minutes is allocated for each symposia/panel discussion to enable audience engagement. Reviewers will provide feedback, but no revisions are required.

1 650 words (excluding Abstract but including Reference list). Abstract: 100 – 150 words

## 13. SUBMISSION FORMAT

1. The APA referencing system should be used
2. The Times Roman font 12 should be used in Word
3. Headings and subheadings must be in bold
4. **Participants must submit two manuscripts, one anonymous in Word and the other with full details in pdf.**

17<sup>th</sup> March 2025

The deadline for submission for all papers is the 28<sup>th</sup> of February, 2025. All submissions must be emailed to [africme7.congress@gmail.com](mailto:africme7.congress@gmail.com)

#### **14. PRE-SUBMISSION SUPPORT**

AFRICME 7 is happy to announce that emerging researchers who would like to receive guidance prior to submission of their paper can do so by contacting Anthony Essien on [anthony.essien@wits.ac.za](mailto:anthony.essien@wits.ac.za) as early as possible, but no later than **7<sup>th</sup> of March, 2025**.

#### **15. AFRIME CONFERENCE LOCAL ORGANISING COMMITTEE SOUTH AFRICA 2025.**

##### *A. From the University of the Witwatersrand*

- Professor Judah Makonye
- Annie Kgosi
- Professor Anthony Essien
- Dr Batseba Mofolo Mbokane
- Dr Lawan Abdulhamid
- Dr Herman Tshesane
- Dr George Ekol
- Dr Zaheera Asvat-Jina
- Dr Rina Durandt
- Dr Aarifah Gardee
- Dr Banjo Balquis
- Dr Sego Matlala

##### *B. From other South African Universities*

- Prof Kakoma Luneta (University of Johannesburg)
- Prof Duncan Mhakure (University of Cape Town)
- Dr Mahlaba, Sfiso (University of Johannesburg)
- Prof Zingiswa Jojo (Rhodes University)
- Dr Yeyisani Makhubele (University of Mpumalanga)
- Ms Annie Kgosi (Sol Plaatje University)
- Prof Wiseman Mbhiza (UNISA)
- Prof Sarah Bansilal (UKZN)
- Dr Ramail (UNISA)
- Dr Katleen Fonceca (University of Johannesburg)
- Dr Jerry Maseko (University of Johannesburg)
- Dr Fanuel Matindike (University of Johannesburg)
- Dr Veli Hlako (Ekurhuleni East College)
- Dr Joseph Baidoo (Walter Sisulu University)
- Dr Puleng Motseki (UNISA)
- Dr Allanie Roux (University of Northwest)