



2nd AFRICME 6 Announcement (Virtual Event)

Presentation

The University of Rwanda through its African Centre of Excellence in Innovative Teaching and Learning Mathematics and Science (ACEITLMS), in collaboration with the International Commission on Mathematical Instruction (ICMI) organizes the 6th Africa Regional Congress of ICMI on Mathematical Education (AFRICME 6). Due to the ongoing COVID-19 disruption, AFRICME 6 will be held virtually, from 25 - 29, October 2021.

AFRICME 6 is organized around the theme Teaching and Learning Mathematics in the Fourth Industrial Revolution (4IR). This age is known for its use of technology innovations affecting every sphere of our life, including the teaching and learning. Amazon, Uber, social media platforms, including Facebook, Twitter, Instagram, LinkedIn, TiKToK, Computers, Smart-phones and tablets, Massive Open Online Courses (MOOC) and so on are some of the evidence around us. While the presence and impact of digital technology is not debated, especially after COVID-19 disruption on society norms, the optimal ways of embedding it in the education sector remain questionable. 4IR is perceived as the application of amalgame of many technologies, and its application in the teaching and learning of mathematics should be investigated further. AFRICME 6 is dedicated to this theme, but not limited, via four sub themes.

Theme

Teaching and Learning Mathematics in the Fourth Industrial Revolution (4IR)

Sub-themes

❑ **Theme 1: Enhanced Mathematics Learning Process Through ICT**

The theme will explore either theoretical or empirical aspects of ICT integration in teaching and learning mathematics.

❑ **Theme 2: Teaching Mathematics in the Era of COVID-19.**

Covid-19 has affected the ‘traditional’ teaching and learning in particular ways. It thus calls mathematics educators to interrogate ways to mitigate its imposed





conditions. Conference participants would share on ground practices and challenges within this process.

❑ **Theme 3: Blended/ hybrid/Distance learning in mathematics education.**

The theme will explore how learning and teaching through a blended/ hybrid/distance approach affect both trainees and mathematics educators' tasks/responsibilities. This may include redeveloping training materials, teaching, providing feedback, coaching, and assessing.

❑ **Theme 4: Mathematics Teacher Professional Development schedule**

The theme will explore which institutions and nations' agenda for mathematics teachers within the 4th industrial revolution.

Conference programme:

The conference begins on Monday 25th October 2021 at 10:00 and ends Friday at 12:00. Detailed schedule comes later. It will include scientific activities (plenary lectures, paper presentations, and group works) and AFRICME general meetings and closing ceremonies.

Call for abstracts

As part of the scientific programme, submissions of abstracts for papers are welcome in the conference themes.

Papers

Paper proposals consist of up to minimum of **4-page full papers (1.5 line space and 12 Times New Roman)**. These can report on research outcomes, research in progress, innovative practices, and theoretical developments in relation to the conference theme.

Short Communications

Short communications is 1 page abstract (**1.5 line space and 12 Times New Roman**) meant to present ongoing or tentative research within the conference theme.





Website	www.aceitlms.ac.rw Africa Regional Congress -ICMI- AFRICME 6 https://www.mathunion.org/icmi
Abstracts will be sent	africme6@gmail.com
Dates	25th to 29th October 2021
Address	University of Rwanda-College of Education, P.O. Box 55, RWAMAGANA
Important dates	Submission of Abstract – July 31, 2021 Notification of Status – August 31, 2021 Registration Opens – September 1st, 2021 Submission of full paper – November 30, 2021 (for those wishing to publish by conference proceedings)
Plenary lectures by	<i>Plenary Lecture 1:</i> Prof Anjum Halai, Aga Khan University Pakistan <i>Plenary Lecture 2:</i> Prof Omolola Ladele (TBC) <i>Plenary Lecture 3:</i> Prof Ferdinando Arzarello, Dipartimento di Matematica "G. Peano" Università di Torino Via Carlo Alberto, 10 10123 Torino ITALIA <i>Plenary Lecture 4:</i> Prof Luneta Kakoma, University of Johannesburg, South Africa
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