



Federal Republic of Nigeria



## 21<sup>ST</sup> Conference on Mathematics, Science and Technology Education in Africa (COMSTEDA 21) and Annual SMASE-AFRICA Delegates Meeting

**Theme: "Empowering the Next Generation through Innovative STEM Education"**

**Nigeria: 10<sup>TH</sup> - 12<sup>TH</sup> September, 2024**



### ABOUT SMASE-AFRICA

The Strengthening of Mathematics and Science Education in Africa (SMASE-Africa) is a network of African countries and STEM-based organizations. SMASE-Africa is a platform for sharing innovative ideas and best practice towards development of the quality of STEM education in Africa.



**The Zuma Rock**

*Niger State – Nigeria 300M Monolithic Rock with a Human Face*

### ABOUT COMSTEDA

COMSTEDA is a SMASE-Africa dialogue forum that brings together educators, policy makers, researchers, teachers, NGOs, and public & private sector stakeholders to present academic papers, posters, exhibitions and workshops. Proceedings are published in a Journal on STEM Education in Africa (ISSN2617-6300).

### AUC CESA STEM CLUSTER

SMASE-Africa is a member of the African Union Commission's (AUC) CESA (2016-2025) cluster on STEM education launched in 2016. The network heeds the African Union's call on "The Africa we want", through implementing dialogue forums such as COMSTEDA to realize the CESA revolutionary approach to achieving Agenda 2063 and global sustainable development goals.

**Email Abstracts and Full Papers to: [comsteda21@smase-africa.org](mailto:comsteda21@smase-africa.org) copy: [info@smase-africa.org](mailto:info@smase-africa.org)**

### Key Dates

❖ 8 <sup>th</sup> April 2024	:	1 <sup>st</sup> Call for Papers
❖ 27 <sup>TH</sup> May, 2024	:	2 <sup>nd</sup> Call for Papers
❖ 24 <sup>th</sup> June, 2024	:	Final Call for Papers
❖ 31 <sup>st</sup> July, 2024	:	Deadline for Submission of Papers and Registration
❖ 10 <sup>th</sup> - 12 <sup>th</sup> September, 2024	:	Conference Dates
❖ 13 <sup>th</sup> September, 2024	:	Delegates Meeting

# Conference discussions will focus on Policy, Practice and Research to inform STEM Education

## Sub-Themes

### 1. Curriculum design, development & assessment in STEM education

- ❖ STEM Curriculum Design
- ❖ STEM Curriculum Development
- ❖ STEM Curriculum Assessment

### 2. Innovative pedagogy and emerging technologies in STEM learning

- ❖ Innovative Pedagogical strategies in STEM education.
- ❖ STEM learning platforms, personalized education & emerging issues.
- ❖ Robotics and coding education for basic and post basic learners.

### 3. Teacher training and/or professional growth in STEM education

- ❖ Designing of STEM Teacher Training and/or Professional Growth
- ❖ Implementation of STEM Teacher Training &/or Professional Growth
- ❖ Assessment of/in STEM Teacher Training &/or Professional Growth

### 4. Emerging Issues in STEM Education

- ❖ Access, equity, inclusion and outreach in STEM education
- ❖ Local communities and stakeholder involvement in STEM initiatives.
- ❖ Case studies on collaborative partnerships between schools, industries, and community organisations.

### 5. Artificial Intelligence (AI) in STEM education

- ❖ Design, development and applications in STEM Education.
- ❖ Emerging issues in STEM Education

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TO REGISTER



## Session Format

1. Paper: Presentation, Question and Answer.
2. Poster: Graphic Presentation, Question and Answer.
3. Workshops: One-Page Workshop Concept, Presentation, Question and Answer.
4. Innovations and exhibitions: Showcase STEM-Based Innovation or Exhibition, Question and Answer.

## Instructions to Authors

1. Paper Abstract: 250 words and indicate the Sub-theme.
2. Full paper: At most 10 Pages, APA referencing style, Times New Roman 12.
3. Authors details: First name, initials, surname, affiliations, e-mail address and WhatsApp telephone number
4. File name: "authors name\_country.doc". (*No PDF*)
5. Image specifications: High resolution Joint Photographic Experts Group (JPEG or JPG) format.
6. All papers should be submitted in English.
7. The full papers that meet the above criteria are published in the Journal on STEM Education in Africa (ISSN2617-6300).

## Conference Registration

- ❖ Registration fees covers admission to all conference sessions and day conference package (lunch and AM/PM coffee breaks).
- ❖ Publication of papers in the Journal on STEM Education in Africa (ISSN2617-6300) cost an additional USD. 50.

## Registration Fees

- ❖ Physical attendance: **USD. 80**
- ❖ Virtual attendance: **USD. 20**
- ❖ The rates are applicable to COMSTEDA 21 Only.

## Account Details

### Payments to: NCBA BANK KENYA PLC

Account Name: SMASE-AFRICA, Account No.: 654 356 0017

Branch: MAMLAKA ROAD, S.W.I.F.T. BIC: CBAFKENX

Currency: US DOLLAR ACCOUNT

Bank Code: 07, Branch Code: 000

Send Bank slips to: Email: [treasurer@smase-africa.org](mailto:treasurer@smase-africa.org)

Website: [www.smase-africa.org](http://www.smase-africa.org)