



Universidade Rovuma,
Mozambique



Final Call for Papers and Participation in the Virtual

**18th Conference On Mathematics, Science and Technology Education in Africa
[COMSTEDA 18] and Annual SMASE-Africa Delegates Meeting**

23rd – 25th November, 2021



*Theme: Teacher Professional Development in Africa: Knowledge, Skills and Values
in STEM Learning Environments*

COMSTEDA INTERNATIONAL FORUM

COMSTEDA is a continental platform for educators to share innovative ideas, best practice, and interrogate issues relating to teaching and learning mathematics and science. The aim is to strengthen the capability of youth in Science, Technology, Engineering and Mathematics (STEM) subjects for 21st century living. The international forum brings together educators, policy makers, researchers, teachers, NGOs, and public / private sector stakeholders to present papers, posters, exhibitions and workshops.

AUC CESA STEM CLUSTER

The need to enhance Science, Technology, Engineering and Mathematics (STEM) Education in Africa continues to increase aimed at achieving Sustainable Development Goals (SDGs). CESA is AUC's revolutionary approach for implementing Agenda 2063 & SDG 4 on education. The STEM cluster was launched in 2016 with mandate to operationalize CESA Strategic Objective Seven. SMASE-Africa is a member of the cluster. CEMASTEIA is the co-chair of the STEM cluster and African Institute for Mathematical Sciences (AIMS) is the coordinator. The cluster serves to consolidate information on STEM education in Africa for peer learning, enhance alignment and harmony to facilitate identification and creation of synergies. You are invited to join the AUC CESA STEM cluster.

Conference Strands

The organizing committee invites conference papers written under any of the following Strands

STRAND ONE

Teacher Professional Development in Africa: Developing Knowledge, Skills, and Values in STEM teaching & learning engagements

1. School-based teacher professional development: policy, strategies and practices
2. Teacher professional development for competency-based education
3. Promising approaches in teacher professional development

Requirements for joining the virtual conference

1. Laptop/device that connects to the internet
2. Strong internet connectivity
3. A4 notebook and pen
4. Microsoft Teams app

STRAND TWO

School Culture and Learning in STEM

1. Leadership for learning & role of professional associations
2. Creating space for in / out of school STEM learning
3. Equity & access in STEM education
4. Gender-based STEM education
5. Inclusive STEM education for learners with special needs
6. Increasing STEM learning outcomes for vulnerable children

Key Dates

- 1st call for papers: 16th Aug., 2021
- 2nd call for papers: 13th Sept., 2021
- Submission of full papers & registration deadline: 11th Oct., 2021
- Conference dates: 23rd – 25th Nov., 2021
- Delegates Meeting: 26th Nov., 2021

STRAND THREE

STEM Curriculum Development, Implementation and Assessment

1. Learner Engagement: evidence-based lessons on STEM/STEAM education
2. Pre-service teacher development: abilities, skills and values

STRAND FOUR

ICT Integration in STEM Education

1. Resources & solutions in learning STEM subjects
2. Learning STEM through games & robotics
3. Linking school & industry on STEM education

Session Format

1. **Paper:** 20minutes presentation & 10 minutes QA
2. **Poster** presentation includes a graphic presentation of a research study or otherwise on visual display. 3minutes presentation and 2 minutes QA.
3. **Workshops:** In-depth training or learning experiences. Presenters to pre-register for a workshop by submitting a one-page workshop concept note.
4. **Innovations:** STEM-based innovations or otherwise. Show case and exhibit at the conference

Instructions to Authors

1. **Paper Abstract:** 250 words: Indicate Strand & Sub-Strand
2. **Full paper: Language:** English; **Margins:** 25 mm margins all around; **Line spacing:** 1.15; **Justification** Full; **Font,** Times New Roman 12; **Referencing,** APA style; **Pages,** 10 Max
3. **Authors:** First name, initials, surname, affiliations and e-mail address.
4. **File:** "your name_country.doc". (**No PDF**)
5. **Images:** High resolution Joint Photographic Experts Group (JPEG or JPG) format.
6. **Papers:** that meet the above criteria will be published in the Journal on STEM Education in Africa (ISSN2617-6300)

Conference Registration

Registration fees covers admission to conference sessions. An additional USD 50 for papers to be included in the Journal on STEM Education in Africa (ISSN2617-6300); Rates applicable for COMSTEDA 18 only. Register on the link

bit.ly/3cX7PBu

Send Abstracts / Full papers to:

comsteda18@smase-africa.org
Inquiries: info@smase-africa.org

Payments to: NCBA

Account Name: SMASE-Africa

Account No.: 654 356 0017

Branch: Mamlaka Road

S.W.I.F.T. BIC: CBAFKNX

Currency: US Dollar Account

Send Bank slips to:

Email: treasurer@smase-africa.org

Copy: info@smase-africa.org

Website: www.smase-africa.org

Registration fees (USD)

Registration fees (USD)	
FOCAL POINT	USD. 30
OTHERS	
Student	USD. 30
Non-Student	USD. 40