

SOUTHERN AFRICAN ASSOCIATION FOR RESEARCH IN MATHEMATICS, SCIENCE AND TECHNOLOGY EDUCATION



SECOND ANNOUNCEMENT AND FINAL CALL FOR PAPERS

**23rd ANNUAL MEETING OF THE *SOUTHERN AFRICAN
ASSOCIATION FOR RESEARCH IN MATHEMATICS, SCIENCE
AND TECHNOLOGY EDUCATION***

SAARMSTE 2015

TUESDAY 13 – FRIDAY 16 JANUARY 2015

CONFERENCE THEME:

**Mathematics, Science and Technology
Education for Empowerment and Equity**

HOSTED BY:
PEDAGOGICAL UNIVERSITY AND
EDUARDO MONDLANE UNIVERSITY



Maputo, Mozambique

Website: www.saarmste.org/conferences

Email: saarmste2015@gmail.com

SAARMSTECOMMITTEES

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OBJECTIVES OF THE SAARMSTE ANNUAL MEETING

Among the aims of SAARMSTE, according to its constitution, are:

- Advancing MSTE in Southern Africa
- Fostering a sense of community among researchers in MSTE
- Organising conferences at which the results of MSTE research can be presented
- Promoting research to improve and develop MSTE programmes in response to current and future needs

The Annual SAARMSTE Conference is an important vehicle to address these aims.

CONFERENCE THEME

Mathematics, Science and Technology Education for Empowerment and Equity

In this conference we will continue to build on SAARMSTE's strengths in Mathematics, Science and Technology Education research. We also hope to promote interactive research in MSTE in accordance with the theme.

While looking for connections across subjects and research areas, we also hope to build on strands in previous conferences. We therefore invite papers to address the following strands:

- Curriculum and assessment reform and evaluation in MSTE
- Equity, access and quality in MSTE
- Language and MSTE
- MSTE and early childhood development.
- MSTE in primary, secondary and tertiary education
- Promising practices in teaching and learning MST
- Research policy and practice in MSTE
- Teacher education and continuous professional development in MSTE

WHO SHOULD ATTEND THE SAARMSTE ANNUAL CONFERENCE?

The SAARMSTE annual conferences are open to anyone involved and interested in research in mathematics, science and technology education. New researchers are particularly welcome. All stages of education are included, and there will be strands for early childhood development, primary education, secondary education and tertiary education.

PROGRAMME

The conference will commence on Tuesday morning 13th January 2015 with workshops by the keynote speakers. The formal opening of the conference and the first plenary session will take place on Tuesday afternoon. The rest of the conference will consist of the various types of presentations as described in the following pages. The conference will end at noon on Friday, 16th January 2015.

PRESENTATION CATEGORIES

Invited Presentations

1. *Plenary Sessions*

These are addresses regarding key MSTE issues, related to the conference theme and delivered by invited speakers.

2. *Workshops*

Research-focused workshops will take place first thing on the Tuesday morning of the conference, and will be presented by the plenary speakers. There will be intensive discussion and hands-on experiences on aspects of the speakers' main research interests and activities.

The invited plenary speakers are:

Prof **Meshach Mobolaji Ogunniyi** – **University of the Western Cape, South Africa (Science Education: Indigenous' Knowledge System)**

Prof **Peter Charles Taylor** - **Curtin University, Australia (Science Education)**

Prof **Corine Castela** - **Rouen University, France (Mathematics Education)**

Prof **Boaventura Cuamba** - **Eduardo Mondlane University, Mozambique (Science Education)**

Submitted Presentations

1. *Long Papers*

A 45-minute slot (30 minutes for presentation, 15 minutes for discussion) will be reserved for reports of sustained research-based work. Presenters should consider addressing issues such as reasons for the particular research strategy, challenges posed by the research, shortcomings, and so forth. These papers will be reviewed. All long papers (approximately 6000 words) must follow the SAARMSTE paper template.

Review Submission Deadline: 31 July 2014. (*full paper must be submitted*)

Submission Format: Please consult the paper template attached to this announcement, and also available from the LOC saarmste2015@gmail.com. For review, papers should be submitted blind, i.e. without the author's name and affiliation. Please submit to the LOC (saarmste2015@gmail.com) as an attachment to email in a file labelled: **LP_yourname.doc** with a **cover sheet**.

2. Short Papers

In these sessions, presenters are given a 30-minute slot (20 minutes for presentation, 10 minutes for discussion) to report ongoing or completed research. Extended abstracts of 2 pages should be submitted for short paper, where authors briefly outline the main features of their research (see details of what constitutes research below). Please note that abstracts of one paragraph will not contain enough information and so are likely to be rejected. Final papers of no more than 3600 words long should be submitted to the LOC by the end of September. All short papers must follow the conference template.

Review Submission Deadline: **31 July 2014.** (*extended abstract: 2 pages*)

Submission Format: Please consult the abstract template attached to this announcement, and also available from the LOC saarmste2015@gmail.com. For review, abstracts should be submitted blind, i.e. without the author's name and affiliation. Please submit to the LOC (saarmste2015@gmail.com) as an attachment to email in a file labelled: **SP_yourname.doc** with a **cover sheet**.

3. Snapshots

In these sessions, presenters are given a 15-minute slot (10 minutes for presentation, 5 minutes for discussion) to report on planned research or on research in its initial stages. Particularly first-time presenters and individuals new to the research field of MSTE are encouraged to consider this session format. Extended abstracts of 1-2 pages should be submitted for review, where authors briefly outline the main features of their research (see details of what constitutes research below). Please note that abstracts of one paragraph will not contain enough information and so are likely to be rejected.

Submission Deadline: **31 July 2014.** (*extended abstract: 1-2 pages*)

Submission Format: Please consult the abstract template attached to this announcement, and also available from the LOC saarmste2015@gmail.com. For review, abstracts should be submitted blind, i.e. without the author's name and affiliation. Please submit to the LOC (saarmste2015@gmail.com) as an attachment to email in a file labelled: **SN_yourname.doc** with a **cover sheet**.

4. Guided Poster Sessions (Regular and Masters)

There will be sessions reserved for presenters to discuss their posters with fellow researchers. Posters will be displayed around a large hall. Extended abstracts of 1-2 pages should be submitted for review, where authors briefly outline the main features of their research (see details of what constitutes research below). Please note that abstracts of one paragraph will not contain enough information and so are likely to be rejected.

Submission Deadline: **31 July 2014.** (*extended abstract: 1-2 pages*)

Submission Format: Please consult the abstract template attached to this announcement, and also available from the LOC saarmste2015@gmail.com. For review, abstracts should be submitted blind, i.e. without the author's name and affiliation. Please submit to the LOC (saarmste2015@gmail.com) as an attachment to email in a file labelled: **PO_yourname.doc** with a **cover sheet**.

5. Round Tables

This will take the form of a 45-minute session in which a number of delegates sit with an author to discuss the author's research ideas informally. This session should provide a safe environment in which researchers can explore problems and uncertainties. Those who have conducted a pilot study, have research in progress, plan a research project or want to discuss dilemmas in research should benefit from this session. Extended abstracts of 1-2 pages should be submitted for review, where authors briefly outline the

main questions that they will be exploring and how these are situated in their research project (see details of what constitutes research below). Please note that abstracts of one paragraph will not contain enough information and so are likely to be rejected.

Submission Deadline: 31 July 2014. (*extended abstract: 2 pages*)

Submission Format: Please consult the abstract template attached to this announcement, and also available from the LOC saarmste2015@gmail.com . For review, abstracts should be submitted blind, i.e. without the author's name and affiliation. Please submit to the LOC (saarmste2015@gmail.com) as an attachment to email in a file labelled: **RT_yourname.doc** with a **cover sheet**.

6. Symposia

Ninety-minute slots will be reserved for symposia organised around issues where different points of view, approaches, debates or analyses of the same problem are presented. If you are offering to organise a symposium, include presenters who would take different viewpoints or approaches in order to encourage debate. A symposium outline of 2-3 pages should be submitted for review, and it should contain details of each speaker's contribution and how these come together to create a forum for debate and discussion. Theoretical frameworks, methodologies etc. should be discussed where appropriate. Please note that abstracts of one paragraph will not contain enough information and so are likely to be rejected

Submission Deadline: 31 July 2014(*2-3 page outline of symposium and abstracts of individual contributions*).

Submission Format: Please consult the abstract template attached to this announcement, and also available from the LOC saarmste2015@gmail.com . For review, abstracts should be submitted blind, i.e. without the author's name and affiliation. Please submit to the LOC (saarmste2015@gmail.com) as an attachment to email in a file labelled: **SY_yourname.doc** with a **cover sheet**.

7. Research Workshop

Ninety-minute slots will be reserved in which a limited number of delegates, determined by the availability of facilities/equipment, take part in a research workshop that is facilitated by the author and /or other facilitators. It is important to note that this is not a teaching workshop and must focus on an aspect of MSTE research. The workshop session requires active participation from the delegates in order to engage with the author and/or other facilitators. Extended abstracts of 2 pages should be submitted for review. Please note that abstracts of one paragraph will not contain enough information and so are likely to be rejected. A list of key outcomes and an outline of the research workshop, including time allocations, should also be submitted to give the review panel as much information as possible to review research workshops under this new category.

Submission Deadline: 31 July 2014. (*Extended abstract: 2 pages; list of key research outcomes; Outline of the workshop with time allocations*).

Submission Format: Please consult the abstract template attached to this announcement, and also available from the LOC saarmste2015@gmail.com . For review, abstracts should be submitted blind, i.e. without the author's name and affiliation. Please submit to the LOC (saarmste2015@gmail.com) as an attachment to email in a file labelled: **RW_yourname.doc** with a **cover sheet**.

PLEASE NOTE: No submissions will be included in the conference programme without full payment of registration by the presenter(s) by 31st October 2014.

REVIEWING PROCEDURE

The purpose of reviewing is to provide constructive comments from other researchers in an effort to promote high-quality papers and presentations. Three reviewers will look at each long paper and at least two reviewers at extended abstracts. Authors will be required to consider their comments and may be asked to revise their work before submitting their final paper. The review process is *öblindö* both ways, names of authors and reviewers are not revealed to each other, although reviewers can choose to reveal their names to authors in the interests of further discussion. It is SAARMSTE policy to use the AJRMSTEjournal reviewers as conference reviewers. In addition, all authors submitting a long paper for review, will be requested to also review one long paper.

Please note: It is SAARMSTE policy that long papers be reviewed properly, consistently and timely. We therefore ask all authors to make sure that they abide by the deadlines in the conference announcements and submit their papers in the format requested.

BOOK OF ABSTRACTS AND CONFERENCE PROCEEDINGS

The final accepted abstracts received by **31 October 2014** will be compiled into a Book of Abstracts. Final long and short papers will be compiled into conference proceedings, which will be available as a *pdf* file. Both the Book of Abstracts and the electronic proceedings will be available at the start of conference and their cost will be included in the registration fee. In addition, delegates will be able to *pre-order* and *pay in advance* for printed and bound long paper proceedings, which will also be available at Registration.**Please Note: If presenters have not paid their registration fees by 31 October 2014, their papers and abstracts will not be included in the Programme, Book of Abstracts or Conference proceedings.**

CONFERENCE ACCOMMODATION

The conference venue name is *öcentro de conferências das TDM¹* (see the location on the map in annex). There will be a variety of accommodation available ranging from basic student residence to guest houses and hotels. Booking for student residence can be done through the LOC.Bookings for guest house or hotel accommodation are for the delegates own account, and need to be made directly with the guest house or hotel. The LOC suggests the list below of guest houses and hotels near the conference venue. Please indicate on the registration form whether you require accommodation at the students' residence.

Hostel accommodation

Limited accommodation is offered on UP campus in basic student hostel residence. The cost of Hostel Accommodation is 600.00mt (ZAR 200) per night inclusive of breakfast. Distance to the conference venue is around 45 minutes driving. Transport to conference venue and back will be provided to the conference delegates in the student hostel residence.

Address-Residência Universitária da Universidade Pedagógica, Campus Lhanguene; Av de Moçambique Km1n⁰ 62 Phone +258823102830 or +258823101141 email angelomaduela@gmail.com.

¹ Centro de Conferências das TDM, prolongamento da Av. Kim Il Sung, Maputo. TDM stands for -telecomunicações de Moçambique.

List of Hotels and Guest Houses with affordable prices and near the conference venue.(Please note that daily travel from guest houses and hotels are for your own account and organisation)

Name	Contacts	single room rates (approximation)	distance to the conference venue
Fatima's Place	Phone +258.21302 994 fatimas@tvcabo.com.mz www.mozambiquebackpackers.com	1500.00 mt (ZAR 500)	30 minutes (walking distance)
Myguest-Guest house	Phone +25821497834 Email myguest.mz@gmail.com	3230.00 mt (ZAR 1076)	15-20 minutes (walking distance)
Sundown-guest house	Phone +258843137202 sunresidencial@tvcabo.co.mz	3850.00mt (ZAR 1283)	15-20 minutes (walking distance)
ResidencialHoyo-Hoyo	+258 21 49 15 00 / 21 49 07 01 hoyohoyo@odline.com	2420.00 (ZAR 806)	50-60 minutes (walking distance)
Hotel Terminus	Phone +25821491284 info@terminus.co.mz (www.terminus.co.mz)	3500.00 (ZAR 3166)	50-60 minutes (walking distance)
Hotel Santa Cruz	Phone +21303004 hsantacruz@teledata.mz	2800.00 (ZAR 933)	15 minutes (driving)
Pensão Martins	Phone +25821301429 Pensãomartins@gmail.com	2250.00 (ZAR 750)	15 minutes (driving)
HotelAtlantis	Phone +25821322380 info@atlantismz.com www.atlantismz.com	3150.00mt (ZAR 1050)	15 minutes (driving)
Mangas Villa hotel	Phone +258 21 479 087 mangas@hipchichotels.vom	3990.00mt (ZAR 1310)	10 minutes (driving)
The base	Phone+258 828207673 thebasebackpackers@gmail.com	1200.00mt (ZAR 600)	15 minutes (driving)
GuestHouse Palmeiras	Phone +258 82 3069200 carlos.pereira@tvcabo.co.mz	2900.00mt (ZAR 967.00)	15 minutes (driving)
IndyvillageHotel	indyVillage@madbookings.com www.mozambique-travel-service.com	6000.00 (ZAR 2000)	15 minutes (walking)
Polana Serena Holtel	Phone +25821241700 www.serenahotels.com	6000.00 (ZAR 2000)	25 minutes (driving)

Payment for accommodation will be expected as follows:

- For booking *residence* accommodation: **31 October 2014**.
- For other accommodation: send your deposit directly to the guest house or hotel of your choice to confirm your booking.

TRANSPORT

The conference venue (centro de conferências das TDM) is situated 20 minutes driving from the airport. Please make all your own travel bookings directly. Travel arrangements are for your own account. There are transport companies available at the airport and LOC staff will be at the airport on January 12 to assist the delegates.

REGISTRATION

Registration process involves completing a detailed online registration form, which will request definite commitments and plans. The registration system will be available online on conference website: www.saarmste.org/conferences from 1 September 2014. Submission deadline for Online Registration Form is **31 October 2014** for presenters and should be accompanied by the appropriate payments.

REGISTRATION COSTS

There are TWO different kinds of registration payment, depending on whether the delegate is a SAARMSTE 2014 member or not. The annual SAARMSTE membership fee for 2015 is ZAR440 (MT1320).

MEMBERSHIP	EARLY BIRD <i>Payment on or before 31 October 2014</i>	LATE PAYMENT <i>Payment between 1 – 30 November 2014</i>
Valid 2014 members Discounted conference fee plus 2015 membership fee of ZAR440pp (MT1320pp)	ZAR 2370 (MT 7110)	ZAR 2570 (MT 7710)
Non-2014 members Conference fee plus 2015 membership fee of ZAR440pp (MT1320pp)	ZAR 2790 (MT 8370)	ZAR 2990 (MT 8970)

Payments

Payment can be made to SAARMSTE2015 bank account in Mozambique or to SAARMSTE conference account in South Africa. If paying by personal cheque or by telegraphic transfer, you must agree to carry the Forex and bank charges in both your country and Mozambique or South Africa.

Payment Details**Mozambique Account**

Name of bank: STANDARD BANK
Name of Account: AMIEMAC-SAARMSTE
Account number: 1095657701003
N.I.B: 000301090565770100357

South Africa Account

Name of bank: FIRST NATIONAL BANK
Name of Account: SAARMSTE
CONFERENCE
Account number: 624 165 624 46

I.B.A.N: MZ59000301090565770100357
 SWIFT: SBICMZMX
 Branchname:agência da MMA-Maputo
 Please use deposit reference:
 Institution/YourSurname (e.g. UCT/Smith)

Branch code: 261050
 Please use deposit reference:
 Institution/YourSurname (e.g. UCT/Smith)

Proof of payment

Deposit slips should be scanned and emailed (along with your proof of registration/invoice) to saarmste2015@gmail.com

IMPORTANT DATES

Submission of full long papers (6000 words)	31 July 2014
Submission of extended abstracts for all other presentations	31 July 2014
Review feedback on long papers and abstracts	15 September 2014
Submission of final papers	31 October 2014
Payment of registration by all delegates	31 October 2014

SAARMSTE CORRESPONDENCE DETAILS

Please address your SAARMSTE correspondence to:

SAARMSTE 2015 Conference LOC
 Pedagogical University
 P.O. Box 4040
 Maputo. Mozambique

Email: saarmste2015@gmail.com
 Tel: +258 828487629
 Fax: +258 21400269

REVIEWING AT A GLANCE

Type	Submission	File Name	Deadline
Long paper	Full paper (approx. 6000 words)	LP_yourname.doc	31 July 2014
Short papers	Extended abstract of 1-2 pages	SP_yourname.doc	
Posters	Extended abstract of 1-2 pages	PO_yourname.doc	
Snapshots	Extended abstract of 1-2 pages	SN_yourname.doc	
Round Table	Extended abstracts of 1-2 pages	RT_yourname.doc	
Symposia	2-3 page outline of symposium in addition to abstracts of individual contributions	SY_yourname.doc	
Research Workshop	Extended abstract: 2 pages; list of key research outcomes; Outline of the workshop with time allocations situated in their research project	RW_yourname.doc	

Note: All abstracts/papers MUST BE submitted blind and with a cover sheet to the LOC saarmste2015@gmail.com .



**SOUTHERN AFRICAN
ASSOCIATION FOR RESEARCH
IN MATHEMATICS, SCIENCE AND
TECHNOLOGY EDUCATION**

SAARMSTE 2015 CONFERENCE (MAPUTO, MOZAMBIQUE)

HOSTED BY:
**PEDAGOGICAL UNIVERSITY AND
EDUARDO MONDLANE UNIVERSITY**

A maximum of four bursaries will be made available annually to assist financially needy delegates who reside in regions of particular stress and turmoil, who under these circumstances would be otherwise unable to attend the conference.

APPLICATION FOR FINANCIAL SUPPORT

I would like to apply for financial support to attend SAARMSTE 2015 in Maputo, Mozambique.

Eligibility Criteria*

Do you reside in a region of particular stress and turmoil?	Yes/No
Are you a SAARMSTE member in 2014?	Yes/No
Will this be your first attendance at a SAARMSTE Conference?	Yes/No
Are you presenting a Long/Short paper at the Conference?	Yes/No
Are you the first author who is presenting the paper at the Conference?	Yes/No
Are you unable to obtain funding from your institution to attend the Conference?	Yes/No

* You must have answered "Yes" to all criteria to be eligible to apply.

Delete inapplicable.

Applicant Details

Surname		Name(s)	
Institution/ Organisation			
Postal Address			
Telephone			
Fax			
Cell			
Email			

I, **name surname**, understand that this bursary only covers the conference registration fees and basic accommodation for five nights, and that all other expenses will be for my own account. I also undertake to write a ~10-15 line article/report on the Conference by the end of January 2015, which may be published in the SAARMSTE Newsletter.

Please see next page for the Motivation section.

MOTIVATION**

*** Maximum ¾ page please.*

I hereby declare that all of the information supplied in this application is true and correct.

Signature

Date

Deadline for Conference Bursary application submissions:

31 July 2014 (same date as submissions of papers)

Please send your completed application form to:
The SAARMSTE2015 Local Organising Committee, as an
email attachment to saarmste2015@gmail.com