



Digging Deeper: Teaching Mathematics for understanding in and beyond classroom

27th Annual National Congress

27 June – 01 July 2022



**North-West University
Potchefstroom Campus
North-West Province**

FIRST ANNOUNCEMENT AND CALL FOR PAPERS

You are invited to the 27th Annual National Congress of the Association for Mathematics Education of South Africa (AMESA) and to submit contributions around the theme

Digging Deeper: Teaching Mathematics for Understanding in and beyond the classroom.

VENUE:

North-West University
President street
Potchefstroom

DATE:

27 June 2022 – 01 July 2022

CONGRESS THEME

Digging Deeper: Teaching Mathematics for Understanding in and beyond the classroom

For the past ten years and more of the South African National Senior Certificate (NSC) reports, the Mathematics national pass rate has never exceeded 60%, thereby limiting the quantity and quality of passes, and the number of learners proceeding to tertiary institutions to successfully complete a qualification in the Mathematics, Science, Engineering, Technology and related fields.

Demystifying Mathematics, bringing Mathematics in context, back to basics and many other slogans, are all endeavours to express the believe that we all have to dig deeper, and work harder and smarter to improve the standard and state of Mathematics educational achievements in South African Schools. The Mathematics Teaching and Learning Framework for South Africa, with its emphasis on teaching Mathematics for understanding, is another endeavour to improve not only the through-put rate, but also the quality and quantity of Mathematics passes in South Africa.

Conceptual understanding, mathematical proficiency, problem solving and other terms, expressions and processes, have been put forward as possible remedies to the poor Mathematics performance of the South African learners in both local and international assessments. How then do we dig deeper to not only do research and give sound advice, but also teach Mathematics for understanding in and beyond the classroom? How do we speak with one loud voice to be heard by decision makers regarding research findings and recommendations, as well as better and consistent implementation thereof?

CONGRESS 2022 SUB-THEMES

- Developing pre-service and in-service teachers to teach Mathematics for understanding in the classroom,
- Digging deeper through problem solving: Integrating problem solving in Mathematics classroom activities,
- Digging deeper through assessment: Balancing assessment tasks in Mathematics with a special focus on setting level 3 (complex procedures) and level 4 (problem solving) questions,
- Mathematics across the curriculum: The integral role of Mathematics in other subjects, across the grades, and
- Teaching Mathematics for beyond the classroom: The importance of Mathematics for high-level scarce-skills fields.

CONGRESS PROGRAMME

Congress participants will include an exciting combination of leading Mathematics teachers, materials and technology developers, national and international researchers, and national and provincial government advisers, presenting on policy directions and research findings, and sharing teaching ideas and materials.

The programme will include the following:

1. **Pre-congress workshops** (Sunday 26 June 2022, 14:00-17:00).
2. **Plenary addresses** by invited speakers, including overseas speakers.
3. **Panel discussions** on various issues in Mathematics Education.
4. **Parallel sessions** presented by participants, in the following areas: Foundation Phase, Intermediate Phase, Senior Phase, FET Phase, and Teacher Education.

The following formats will be used:

- **Long Papers:** (40 minute presentation plus 20 minute discussion)
 - **Short Papers:** (20 minute presentation plus 10 minute discussion)
 - **“How I Teach”:** papers (20 minute presentation plus 10 minute discussion)
 - **Posters:** (Exhibited on a 1.2 m x 1.8 m board, for the duration of the conference. Authors should be available at certain hours for discussion.)
 - **Workshops:** (1 or 2 hours)
5. **Activity Centre:** Hands-on practical mathematics activities for participants.
 6. **Maths Market:** Promotion of products by commercial vendors.
 7. **AMESA Curriculum Phase Committees discussions**
 8. **AMESA Special Interest Group meetings**
 9. **AMESA Annual General Meeting**

OTHER FEATURES OF THE CONGRESS

- Social events
- Excursion
- Daily congress competitions
- Memorabilia
- Internet facilities at designated areas

***Note:** The Final Announcement and Registration Form will be distributed in April 2022 and will contain full details about the programme, costs, etc.*

CONTACT DETAILS

Please send all communication about *administrative* matters (registration, payment, transport, etc.), preferably by e-mail, to the relevant person(s) below:

Congress Secretary:

Nombulelo Mandindi
P.O. Box 54, 2050 WITS
Tel: 011 484 8917 (W)
Cell: 082 390 7088
Email: congress2022@amesa.org.za

Congress Director:

Annalie Roux
North-West University
Potchefstroom Campus
Tel: 018 299 1895 (W)
Cell: 084 580 5989
E-mail: annalie@amesa.org.za

Please send all communication about *academic matters* (presentations, reviewing, programme, etc.), preferably by e-mail, to the relevant person(s) below:

Congress Academic Coordinator:

Tom Mosiane
North-West University (Potchefstroom Campus)
Tel: 018 299 4321 (W)
Cell: 073 167 4572
E-mail: tomm@amesa.org.za

Congress Deputy-Director:

Sfiso Mahlaba
North-West University
Mafikeng Campus
Tel: 018 389 2808 (W)
Cell: 067 891 7871
E-mail: sfiso@amesa.org.za

The Congress website

See the congress website for updated relevant information:

<http://www.amesa.org.za/AMESA2022/index.htm>

North-West Province (The Platinum Province of South Africa)

From the untamed bushveld to the sophistication of the 5-star resorts, the North-West Province provides the complete tourism package. Away from the hustle and bustle of the city life, the province offers an escape route to the real Africa. Nature has blessed this province with breath taking scenic beauty, rolling fields of maize, golden sunflower and vast plains of the African bushveld. The ideal backdrop for the enjoyment of our outdoor attraction are the super game parks, which are the home to the Big Five; magnificent golf courses; water features and sporting facilities.

Source: <https://www.tourismnorthwest.co.za/>

North-West University (NWU), Potchefstroom Campus



Building C6, of the old Potchefstroom College of Education, is the heart of the Faculty of Education at the Potchefstroom Campus

The NWU is committed to functioning as a unitary, integrated, multi-campus university that enables equity, redress and globally competitive teaching and research across all three of our campuses. Our core activities teaching, learning and research are intertwined with community engagement and innovation in our eight faculties, most of which serve both distance and contact students.

The NWU offers more than just an education, we offer people a place in the world. Academically, students benefit from great choices and flexibility, enabling them to fulfil their potential and start preparing for their careers.

Through collaboration with other universities and institutions internationally, we are part of the global higher education community. Our internationalisation activities include student and staff exchange and cooperation in academic, research, cultural and sports matters.

As we like to say in our [University Anthem](#): “where the willow trees grow and the thorn tree spreads its shade, there you will grow in knowledge...”

Source: <https://www.nwu.ac.za/welcome>

THE LOCAL ORGANISING COMMITTEE (LOC)

The LOC comprises of three components, viz., members from the hosting institution, North-West University (NWU), the provincial NW AMESA and the national AMESA structures.

Members of the AMESA LOC come from a variety of backgrounds and include teachers and Mathematics subject (curriculum) advisors, Mathematics and Mathematics Education lecturers, as given below:

Sfiso Mahlaba (<i>Congress Deputy-Director</i>)	G. Tsitsi
Audrey Maboe	Patricia Walaza
Annalie Roux (<i>Congress Director</i>)	Frans Matsena
Tom Mosiane (<i>Academic Coordinator</i>)	M. Kloppers
Lesego Mokotedi	A. Olivier
Sandra Dingoko	P. Nkhoma
K. Morake	G. Skhosana
P. Mogomotsi	

THE NATIONAL ORGANISATION COMMITTEE (NOC)

The NOC is an AMESA sub-committee involved in national congress tasks and supports the LOC. Its members are appointed on the basis of their proven knowledge, functionality, commitment and delivery on national congresses. A representative for the following year's national congress will also serve on the NOC.

Members of the NOC

Manare Setati (*Chairperson*); Batseba Mofolo-Mbokane (*Vice Chairperson*); Onicah Molokoane-Thibodi (*Congress Treasurer*); Kgomotso Pilane and Nombulelo Mandindi (*Congress Secretary*), Vasuthavan Govender (*Additional Member*); Gary Powell (*Western Cape Representative*)

Note: The Western Cape Region of AMESA will host the 2023 AMESA Congress

CALL FOR PAPERS

You are invited to propose one or more contributions to the academic programme. Please note that to ensure a high standard of presentations and broad-based participation:

- We will accept no more than two inputs per presenter.
- We will not accept any presentation for the programme unless a full transcript or workshop outline has been submitted for reviewing.
- We will adhere to the due dates for submission as this ensures time for useful and relevant reviews of submissions.
- Only the names of those who paid their registration fees, will be included in the congress programme.

To help you in planning and writing your proposal, we include overleaf technical guidelines for preparing a paper. An electronic styles template is available on the congress's website.

The **presentation proposal form** (page 14) must be submitted with your proposal to the Congress Academic Coordinator by 25 March 2022.

CALL FOR REVIEWERS

In order to have a sufficient number of reviewers for submitted papers, we invite AMESA members to volunteer to help with reviewing papers. This review process should take place during March, April and May 2022.

You can serve as reviewer if you are a current AMESA member and have presented a reviewed paper (a Long or Short Paper) at previous AMESA congresses, or have published in *Pythagoras* or another reviewed journal.

If you qualify and are willing, please fill in the **reviewer's form** (page 15) and send it to the Congress Academic Coordinator by 25 February 2022.

MATHS MARKET

Publishers, entrepreneurs and NGOs are invited to present and promote their commercial products in a special session in the programme called a *Maths Market* presentation. Research about such products may be presented as an academic paper which will be reviewed, but commercial products should not be directly promoted in academic sessions. *Maths Market* presentations are not reviewed and not published in the Congress Proceedings. **Please contact the Secretariat for more details.**

IMPORTANT DATES

Offer to review papers:	25 February 2022
Submission of presentation proposal manuscripts:	25 March 2022
Notification of proposal review results:	11 May
Application for financial support:	31 March (see form on page 16)
<i>Early</i> registration at a <i>reduced fee</i> :	on or before 30 April
<i>Normal</i> registration at <i>normal fee</i> :	1-31 May
<i>Late</i> registration at an <i>increased fee</i> :	1-15 June (none after 15 June)
Cancellation without any costs /penalty:	on or before 31 May
Equipment requests for presenters:	6 June
Opening ceremony:	27 June at 10:00
Closing ceremony:	1 July at 12:00

Guidelines for submission of Long Papers

Length: 8–12 pages

Each Long Paper will be scheduled for a total time of 60 minutes: 40 minutes for oral presentation and 20 minutes for discussion. The following types of papers are suitable for presentation as a long paper:

1. **Research report:** This should include the following:
 - A statement about the focus of the paper or the research questions, and a motivation for the significance of the research
 - An indication of the theoretical framework of the study reported
 - A discussion of the related literature
 - An indication of and justification for the methodology used
 - Some sample data and findings and a statement of how these help to answer the research questions
 - What your findings mean for mathematics teaching and learning or further research
 - List of references

2. **The presentation of Mathematics/Mathematical Literacy/Technical Mathematics:**

These could include Mathematics/Mathematical Literacy/Technical Mathematics, relevant to the school curriculum, such as:

- An innovative way of dealing with a section of Mathematics / Mathematical Literacy/Technical Mathematics
- Alternative proofs for theorems
- Interesting Mathematics that teachers are conversant with; Mathematics/Mathematical Literacy/Technical Mathematics that is new in the proposed curriculum
- List of references

3. **Theoretical, methodological or philosophical essays:**

These should include the following:

- A statement about the focus of the paper and a motivation for its significance
- An indication of the theoretical, methodological or philosophical framework within which the focus or theme of the paper is developed
- Reference to related literature
- A clearly articulated statement of the author's position on the focus or theme
- What your results mean for mathematics/Mathematical Literacy/Technical Mathematics teaching, learning or research
- List of references.

Reviewing:

A minimum of two reviewers, with experience in the area, will review your paper. Specifically, reviewers will be asked to comment on the following: mathematical content, theoretical framework and related literature, methodology (if appropriate), statement and discussion of results (if appropriate), clarity and relevance to the AMESA audience.

A developmental approach to reviewing will be applied to your paper. In other words you will be given feedback by the reviewers, which you could use to improve your paper and then (if necessary) re-submit for further review and feedback. If your paper is not accepted in this category, it will be reconsidered for submission as a short paper presentation.

Publication of Long Papers:

Authors may choose *not* to have their accepted Long Papers published in the AMESA 2022 Proceedings, to keep open the possibility to submit it to a journal. If author(s) choose to exclude their long paper from the Proceedings, then they must submit an extended abstract of the paper for publication in the Proceedings.

Guidelines for submission of Short Papers

Length: 5–8 pages

Each Short Paper presentation will be given a total time of 30 minutes: 20 minutes for oral presentation and 10 minutes for discussion. This kind of presentation is most suitable for work in progress.

1. **Reflection on teaching or practice:** This is mainly for mathematics educators who would like to share their reflections on their teaching or on their participation in a developmental project or research project. For reflection on teaching you need to specify the following:

- The grade and class size
- The mathematics topic taught
- The mathematical goals and purposes
- A description of the lesson
- What factors contributed to the success of the lesson
- What factors tended to hamper success and how you dealt with them

2. **For reflection on participation in a mathematics development project** you should specify the following:

- The duration of the project
- Mathematical aspects covered by the project
- Practical examples of how participation in the project impacted on your teaching.

3. **The presentation of mathematics/mathematical literacy:**

These could include Mathematics/Mathematical Literacy/Technical Mathematics relevant to the school curriculum. For details on this type of presentation, see (2) of the long papers.

4. **Proposals – research or development:**

This can be a presentation of a proposal for a research or mathematics education developmental project and should include the following:

- A description of the focus of the research project or developmental project
- Motivation for the study or project
- Some indication of the theoretical framework of the study or project
- Some discussion of the related literature
- How the study or project will be undertaken, including some justification of methodology
- Participants and time-lines
- List of references

5. **Initial sharing of data:**

This is mainly for people who have done research and are still working on their analysis. The paper should include the following:

- A statement about the focus of the paper or the research questions, and a motivation for the significance of the research
- Some aspects of the theoretical framework of the study reported
- Some discussion of the related literature
- An indication of and justification for the methodology used
- Some sample data and initial analysis or description of data
- List of references.

Reviewing A minimum of two reviewers, with experience in the area, will review your paper. Specifically, reviewers will be asked to comment on the following: mathematical content, conceptual coherence, clarity and relevance to the AMESA audience.

A developmental approach to reviewing will be applied to your paper. In other words you will be given feedback by the reviewers, which you could use to improve your paper and then (if necessary) re-submit for further review and feedback.

Guidelines for “How I Teach” papers

Length: Minimum 1 page and a maximum of 4 pages.

Critical information to be included:

- **Title:** A heading for your paper e.g. How to use paper folding in geometry.
- **Name:** Your Name and Surname
- **Organisation:** Where you are from e.g. the name of your school.
- **Phase:** The phase your talk is aimed at i.e. foundation, intermediate, senior, FET or tertiary.
- **Introduction:** Include here a paragraph on what your talk is about. Why you chose to talk about it. What you are going to do in the talk.
- **Content:** You might want to write one or two sentences on your experiences of using such activities in your class and some of the advantages or disadvantages of using the activities. Also provide here a brief conclusion on the talk.
- **References:** Add here any references that you might have used. In other words, if you took the activities from a textbook or from the internet, please acknowledge that.

There may be other headings you want to include (e.g. “teacher tips”) – please feel free to do so.

Reviewing:

Your paper will be reviewed. *A developmental approach to reviewing will be applied to your paper. In other words, you will be given feedback by the reviewers, which you could use to improve your paper and then (if necessary) re-submit for further review and feedback.* Congress 2022 reserves the right to make minor editing changes.

Guidelines for Posters

Poster presentations are available for those whose work is more suitably communicated in a pictorial or graphical format, rather than through an oral presentation. There is no formal oral presentation associated with posters, but a time will be allotted, after sufficient display time, during which presenters will be available at their posters for informal discussion with participants.

A poster (1.2 m × 1.8 m board), can present research projects, software developments, curricula innovations, educational programmes, etc., related to Mathematics /Mathematical Literacy/ Technical Mathematic Education.

Note the following as you prepare your proposal for a poster:

- Your proposal should describe both the contents of the poster and its particular visual (pictorial or graphical) characteristics.
- Your proposal should be restricted to one page, including references and figures. If accepted, this text will be included in the Congress Proceedings.
- Type and centre the title (in capitals), author(s) names, and affiliation(s) of the author(s) in this order.

Reviewing

The programme Committee will review the proposals for Poster Presentations. If your proposal is accepted, the Programme Committee will provide further guidance on the preparation of the actual poster itself.

Guidelines for Workshop presentations

Note that workshop write-ups and the worksheets will *not* be published in the paper Congress Proceedings. It will be included in the memory stick. Proceedings, and copies of the activities will be duplicated only for the workshop participants.

Your proposal should include:

- **Motivation for running a workshop.** This is for reviewing and should include:
- **Title of the workshop,**
- **Name of presenter(s),**
- **Institution where you are employed,**
- **Target audience:** The phase your workshop is aimed at e.g. intermediate.
- **Duration:** There will be 1-hour or 2-hour workshop slots. Please ensure that you choose an appropriate length slot.
- **Maximum number of participants:** You may limit the number of participants in your workshop. Workshop presenters should attempt to cater for at least 30 participants.
- **Motivation for the workshop:** Why is the workshop important? How will it help participants?
- **Description of content of workshop**
- What will be done in the workshop? How will the time slot be broken up?
- **The activities and worksheets to be used in the workshop** (maximum 8 pages)

- **An abstract describing the level, nature and content of the workshop** (200 words)

Note: Only this abstract will be published in the Congress Proceedings.

Note:

- Workshops need to be **hands-on sessions** where participants are **actively involved** in doing the activities that you provide. Usually these activities will be done in groups, consisting of 3–5 participants. There should also be ample time for discussions (approximately 25% of your time is suggested).
- If you have used ideas from other sources, it is essential that you acknowledge these sources. We will *not* accept any submissions where more than 2 pages have been copied directly from another source.

Reviewing:

The Programme Committee will review the proposals for Workshop Presentations.

Technical guidelines for preparing manuscripts

We are endeavouring to work towards a uniform appearance for all papers in the congress proceedings. An electronic template and guidelines will be available from the congress website. Please use the template as the basis for your paper.

Please adhere to these guidelines:

- Restrict your paper to the maximum number of pages as specified for the type of presentation, including references, figures, and appendices.
- Write the paper in English.
- Type and centre the title (in capitals), author(s) name(s), and affiliation(s) of the author(s), in this order.
- Underline the name of the presenting author(s).
- Begin the paper with an abstract of up to ten lines, single-spaced, preferably in italics.
- Use a 14-point type (Times New Roman), a 16-point line space, and 6 points between paragraphs, occupying a frame of 170 mm by 247 mm. Please use exact dimensions, and fill the entire frame. Remember that the original text will be reduced in the Proceedings.
- Give references in the APA style.
- **Do not number the pages**
- **E-mail the paper** as an attachment to the Congress Academic Coordinator by 25 March 2022, together with your completed **presentation proposal form**. **Faxed copies will not be accepted.**

TABLE OF PRESENTATION CATEGORIES

This page is for your reference when completing the **reviewer's form** or the **presentation proposal form**. Reviewers will receive proposals for reviewing, according to their preferred categories that they marked in their **reviewer's forms**.

The proposals will be sent to reviewers according to the presentation categories that authors have marked in their **presentation proposal forms**.

Educational levels:	
1. Foundation Phase (Gr R–3)	4. Further Education & Training (Gr 10-12)
2. Intermediate Phase (Gr 4–6)	5. Teacher Education (pre- & in-service training)
3. Senior Phase (Gr 7–9)	

Types of research:	
1. Empirical / Experimental	4. Ethnographic / Interpretative
2. Statistical	5. Theoretical / Philosophical
3. Case study	6. Action research

Focus themes for presentations:	
1. Indigenous Knowledge Systems	15. Reasoning, proof and proving in Mathematics Education
2. Financial Mathematics	16. Problem solving and modelling in Mathematics Education
3. Mathematical Literacy (Any related content/methodology)	17. Functions and graphs
4. Teaching and learning of Geometry	18. Numeracy
5. Teaching and learning of Probability	19. Classroom practice
6. Teaching and learning of Algebra	20. Geometric and spatial reasoning
7. Teaching and learning of Calculus	21. Measurement: Focusing on primary education
8. Teaching and learning of Patterns and Sequences	22. Mathematics Education in a multilingual and multicultural context
9. Teaching and learning of Fractions	23. Mathematics curriculum development
10. Motivation, beliefs and attitudes towards Mathematics and its teaching	24. Assessment in Mathematics Education
11. Mathematical knowledge for teaching	25. Mathematics Education at secondary level and access to tertiary education
12. Mathematics in context	26. In-service education; professional development of teachers
13. Enhancing learner understanding of mathematical concepts	27. Other suitable focus themes not covered here (please state in your presentation proposal form)
14. The use of technology in the teaching and learning of Mathematics	

Please Note that this is a fillable form that can be filled using computer or smart phone



Tom Mosiane
North West University
(Potchefstroom Campus)
Tel: 018 299 4321
Cell: 073 167 4572

PRESENTATION PROPOSAL FORM

This form must be completed for every presentation proposal and be submitted to the **Congress Academic Coordinator**.

Note: You may prefer to complete the electronic form on the congress website.

DEADLINE: 25 March 2022

PLEASE TYPE OR HAND-WRITE A PRINT OUT BY USING ONLY CAPITAL LETTERS

Type of Presentation (mark one of the following): Long paper Short paper How I teach Poster Workshop 1 (1hr) Workshop 2 (2 hrs)	
Title of the Presentation:	
Author(s):	
Presenting Author(s):	
Contact Details: <i>The following information should be completed only for the Presenting Author (s):</i> Street no. & name: , City/ Town: Postal Code: Telephone no (Land line): Cell no: E-mail:	
<i>Complete to assist the Programme Committee in finding you an appropriate reviewer</i> Presentation categories (choose relevant number for each of the following from the Table on page 13): Focus Theme for your presentation (i.e. 1, 2, 3, ... or 27): _____ Educational Level of your presentation (i.e., 1, 2, 3, 4 or 5?): _____ Type of Research conducted (if applicable) (i.e., 1, 2, 3, 4, 5 or 6?): _____	
Publish Long Paper in AMESA 2022 Proceedings?	

After fully completing this page, please save and e-mail as an attachment to the Congress Academic Coordinator, Tom Mosiane at tomm@amesa.org.za

Please Note that this is a fillable form that can be filled using computer or smart phone



Tom Mosiane

North West University
(Potchefstroom Campus)

Tel: 018 299 4321

Cell: 073 167 4572

REVIEWER'S FORM

Please complete this form and submit to the **Congress Academic Coordinator** if you are prepared to help review the submitted papers for the congress.

To qualify as a reviewer, you must be a current AMESA member and have presented a reviewed paper (long or short) at a previous AMESA congress, or have published in Pythagoras or another reviewed journal.

DEADLINE: 25 February 2022

Note: You might prefer to complete the electronic form on the congress website.

PLEASE TYPE OR HAND-WRITE A PRINT OUT BY USING ONLY CAPITAL LETTERS

Contact Details:			
Name & Surname:			
Institution / Organisation:			
Street no. & name:			
City/ Town:		Postal Code:	
Telephone no (Land line):			
Cell no:		E-mail:	
<i>Complete to assist the Programme Committee to match you to the appropriate submissions</i>			
Presentation categories (choose relevant numbers from the Table on page 13):			
Your preferred Focus Themes (Please choose at most 4 from numbers 1 – 27):			
Your preferred Educational Level(s) (Please choose at most 4 from numbers 1 – 5):			
Your preferred Type(s) of Research (Please choose at most 4 from numbers 1 – 6):			

After fully completing this page, please scan and e-mail to the Congress Academic Coordinator, Tom Mosiane at tomm@amesa.org.za

Please Note that this is a fillable form that can be filled using computer or smart phone



Adri Olivier

North West University

Tel: 018 384 2828

Cell: 078 234 8409

Application for financial support: AMESA Congress 2022

DEADLINE: 14 April 2022

I,, hereby apply for financial support to attend the AMESA Congress 2022.

Contact Details:			
Name & Surname:			
Institution / Organisation:			
Postal address:			
City/Town:		Postal Code:	
Telephone No. (Home):		Work:	
Cell no:		E-mail:	

Complete 1, 2 & 3 below and take note of 4:

1. I am an AMESA member: _____, Membership number:
2. AMESA Region/ProvinceBranch:
3. I am able to contribute R of the projected R costs for my congress attendance.
4. I undertake to write an article / report on AMESA Congress 2022 which may be published in the *AMESA News*.

Signature: **Date:**

Note:

- A typed ½ to 1 page motivation, as well as a detailed budget must accompany this application. The application will not be considered without a detailed budget.
- Preference for funding will be given to paid-up AMESA members who will be participating in the congress programme.

After fully completing the page, please save and e-mail as an attachment together with its motivation to the Congress Treasurer, Adri Olivier at adri.olivier@nwu.ac.za