



## Annual Regional Conference of AMESA Western Cape

Saturday  
5 October 2013

08:00 – 15:30

Cape Teaching and Leadership Institute (CTLI)  
Nooiensfontein Road  
Kuilsriver

***How teachers hold mathematics.  
Attitudes and orientations towards mathematics teaching and learning”  
- Sharon McAuliffe***

You are invited to participate in the Western Cape Regional Conference of the Association for Mathematics Education of South Africa (AMESA). This regional conference brings to you a wide range of informative papers and useful workshops, many of which were presented at the AMESA National Congress at UWC in June 2013.

**Please note that this conference is for AMESA members only. However, if you (or your institution) are not a member and you wish to attend, please complete the attached Membership Application form, along with the Conference Registration Form, and join us for a day of exciting activities and stimulating debate.**

E-mail your registration form to [gary.powell@uct.ac.za](mailto:gary.powell@uct.ac.za), or fax to 021 650 5569

**CASIO®**

**SHARP**



**Notice is hereby given that the Annual General Meeting  
of  
AMESA (Western Cape)  
will be held at  
Cape Teaching and Leadership Institute,  
Nooiensfontein Road, Kuils River  
on Saturday 5 October 2013**

### **AGENDA**

1. Minutes of last Annual General Meeting
2. Matters arising
3. Chairperson's Report
4. Treasurer's Report
5. Elections
  - 5.1. Chairperson
  - 5.2. Vice-chairperson
  - 5.3. Secretary
  - 5.4. Treasurer
6. Any other business

Nominations for the following office bearers are called for:

- Chairperson
- Vice-chairperson
- Secretary
- Treasurer

All nominations must be made by at least two members, and must indicate the consent of the person being nominated.

Nominations must be submitted before 20 September 2013.

Please submit nominations to the AMESA Western Cape Secretary, Lesley Jennings.

E-mail: [lesleyjennings@telkomsa.net](mailto:lesleyjennings@telkomsa.net) OR [gary.powell@uct.ac.za](mailto:gary.powell@uct.ac.za)

Fax: 086-248-3357

Post: The AMESA Western Cape Secretary, Lesley Jennings, 8 Ridgeway, Pinelands, 7405

## *Extract from AMESA (Western Cape) Regional Rules*

### **REGIONAL AGM**

10. The regional governing body of AMESA (Western Cape) shall be the Regional AGM, consisting of Regional Office Bearers and representatives appointed by each branch of the region. Each branch shall be entitled to one representative for each 100 (or part thereof) members in good standing in the branch.
11. The regional AGM shall normally meet one month before the annual national congress of AMESA and shall be convened by the Regional council, who shall determine the place and date(s) of the Regional AGM.
12. Notice of a meeting of the Regional AGM shall be given in writing; the notice shall include the agenda of the AGM.
13. The Regional AGM shall adopt policies in furtherance of the aims and objects of AMESA (Western Cape).
14. A quorum of the Regional AGM shall consist of  $n/2 + 1$  members if  $n$  is even,  $(n+1)/2$  members if  $n$  is odd, when  $n$  is the number of persons eligible to attend (see paragraph 10). In the event that there is no quorum the meeting shall stand adjourned until a further advertised date.
15. Non-delegates may attend the AGM as observers and shall not be permitted to vote.

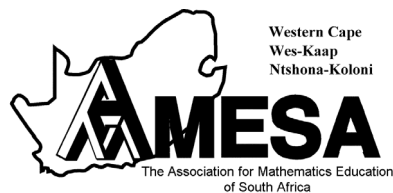
### **Procedures for nomination**

16. Nominations for Office Bearers may be submitted by any two members or a branch of AMESA (Western Cape). Such nominations must reach the Regional Secretary not less than one calendar month before the next Regional AGM.
17. All nominations shall be made in writing and must contain the names of the proposers and the consent of the person nominated. Nominations by a branch must be signed by at least four members of the branch.
18. The Regional Council shall make nominations in respect of every vacancy in which no other nomination has been received and may make nominations in addition to those received.
19. The names of all persons nominated for election at the Regional AGM shall be included in the agenda of the AGM.

### **Procedures for motions and decision-making**

20. Any motion on which the delegates at the AGM must vote, must reach the Regional Secretary not less than one calendar month before the date of the Regional AGM and must be included in the agenda for the AGM.
21. Any motion that does not comply with paragraph 20 may be put to the Regional AGM, but may only be put to the vote if a motion to this effect is carried unanimously by the Regional AGM.
22. All members of the Regional AGM shall have the right to vote at meetings of the Regional AGM and each member present shall have one vote. Invited persons shall not have the right to vote.
23. Motions submitted to the Regional AGM, other than motions for election or for amending the Constitution, shall be determined by open vote, unless the chairperson or any other member demands a ballot.
24. Any motion submitted to the Regional AGM, with the exception of a motion for amending the Constitution, may be carried by a simple majority of votes. In the event of a tie, the chairperson shall have a second or casting vote.
25. Motions for election in which the number of nominations is equal to the number of vacancies, shall be declared carried unopposed. Contested elections shall be determined by the ballot.

**AMESA WESTERN CAPE  
2013 ANNUAL CONFERENCE**



**REGISTRATION FORM**

CONTACT DETAILS					
Title:	First name:	Surname:			
Postal Address: Code:					
Institution:					
Home Tel:	Work Tel:	Fax:	Cell:		
Email Address:					
<b>Area of Interest (please tick)</b>	Foundation Phase	Intermediate Phase	Senior Phase	FET Phase	Teacher & Higher Education
Are you a current paid-up AMESA member? <i>(please tick)</i> Yes <input type="checkbox"/> No <input type="checkbox"/>					
If <b>Yes</b> , please provide membership number: _____					
If <b>No</b> , please complete membership form and pay membership fees (* see below)					
<b>*REGISTRATION FEE TO BE PAID ON MORNING OF CONFERENCE*</b>					
AMESA Member: Registration for this conference (payable on day)					R50
Non-AMESA Member: Registration, including Individual Membership Fee up to 31 December 2014					R170
DIETARY REQUIREMENTS <i>(please tick)</i>					
Vegetarian		Halaal		Other	
<p><b>*** NOTE: CONFERENCE REGISTRATION CAN ONLY BE PAID AT THE CONFERENCE REGISTRATION DESK ON 5 OCT 2013.</b></p> <p><b><u>Do not pay</u> conference registration in along with membership application/renewal</b></p> <p style="text-align: center;"><b>PAYMENT METHOD MEMBERSHIP (NEW AND RENEWAL): <i>(please tick)</i></b></p>					
<input type="checkbox"/> Internet Payment of Bank Transfer  <b>Banking details of AMESA WC Conference 2013:</b> <i>Account Name:</i> AMESA Western Cape <i>Name of Bank:</i> Nedbank <i>Account Number:</i> 1048025233 <i>Type of Account:</i> Cheque <i>Branch Name:</i> Rondebosch <i>Branch Code:</i> 104809 <i>Reference:</i> Initial Surname AMESA WC 2013			<input type="checkbox"/> Cheque made out to AMESA Western Cape		
Please complete your Conference Registration Form and, where appropriate, your Membership Application/Renewal Form, and send them to the AMESA Western Cape Secretary, using one of the following methods: By fax to: 021 650 5569 By email to: <a href="mailto:gary.powell@uct.ac.za">gary.powell@uct.ac.za</a> By post to: The AMESA Western Cape Secretary Lesley Jennings 8 Ridgeway, Pinelands, 7405				* Individual membership R120 Institutional membership R340 Student (Associate) membership R30	

**REGISTRATION FORMS MUST BE SUBMITTED BEFORE 27 SEPT 2013**

**AMESA MEMBERSHIP APPLICATION / RENEWAL FORM**

*Please complete in full and in capital letters*

- 1. **Membership No** (if renewal): \_\_\_\_\_
- 2. **Region (province):** \_\_\_\_\_ **Branch:** \_\_\_\_\_ (if known)
- 3. **Membership type:**  Individual    Institutional    Associate (e.g. full-time student)
- 4. **Field of Interest:**    Primary    Secondary    Tertiary
- 5. **For Individual and Associate members only:**  
**Surname:** \_\_\_\_\_ **First Name:** \_\_\_\_\_ **Title:** \_\_\_\_\_  
**Postal address:** \_\_\_\_\_  
\_\_\_\_\_ **Postal Code:** \_\_\_\_\_  
**Tel/cell no:** \_\_\_\_\_ **Fax:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_  
**Name of your Institution:** \_\_\_\_\_

- 6. **For Institutional members only:**  
**Designation** of person to whom correspondence should be addressed  
(e.g. The HOD Mathematics / Librarian): \_\_\_\_\_  
**Name of Institution:** \_\_\_\_\_  
**Postal address:** \_\_\_\_\_  
\_\_\_\_\_ **Postal Code:** \_\_\_\_\_  
**Tel/cell no:** \_\_\_\_\_ **Fax:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

- 7. **For student members only:** I hereby declare that I am a full-time, pre-service student at the following institution: \_\_\_\_\_ Signature: \_\_\_\_\_  
*Please include proof of registration at tertiary institution with your application.*

- 8. **Payment:** *South Africa: Individual – R120; Institutional – R340; Associate – R30*  
*Other African countries, individual: – ZAR150; Non-African countries: – USD65*  
*You may pre-pay your subscription at the current rate for up to three years. Life membership: – R3000*

Choose one of the following methods of payment (indicate with an X):

- Cash** R \_\_\_\_\_
- I enclose a postal order/cheque for R \_\_\_\_\_ payable to AMESA.
- Please debit my **credit card** account (Visa and Mastercard only) with R \_\_\_\_\_

Card number: 

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

    3 Digits on back: 

--	--	--

Name on card: \_\_\_\_\_    Expiry date: \_\_\_\_\_

Signature: \_\_\_\_\_    Date: \_\_\_\_\_

- Please renew my membership *automatically* each year by debiting my credit card each year.  
This authorisation will remain valid until I or AMESA cancel it in writing.

- Bank transfer.** Bank details are as follows:  
Bank:            ABSA                    Account Name:    AMESA  
Branch Code:   632 005            Account No:       1640 146601

Note: Please enter your name/membership number in the *reference section* of the deposit slip. It is *essential* that you fax or e-mail a copy of the transfer slip and this application form to the number below to ensure that your membership is recorded. *The onus is on you to ensure that we receive the relevant information.*

# AMESA Western Cape Regional Conference



5 October 2013  
CTLI Kuilsriver

## PROGRAMME

TIME	VENUE 1	VENUE 2	VENUE 3	VENUE 4	VENUE 5	VENUE 6	
08:00 – 08:30	<b>REGISTRATION (BROADWAY) TEA/COFFEE (CAFETERIA)</b>						
08:30 – 08:45	<b>WELCOME AND OPENING (CAFETERIA)</b>						
08:50 – 09:20	I am thinking of a number (Short Paper, How I Teach) - Ursula Rontsch, The Grove Primary [FP]	Shape and space for Grade 5s (Workshop) - Keano Kriel, Capricorn Primary and Nicky Roberts, WITS (IP)	Teaching Tally Tables in Perspective (Workshop) - Joy Davids (Tuscany Glen Primary) & Kaashief Hassan, SDU [IP]	Exploring the Theorem of Pythagoras through guided re-invention (Workshop) - Stanley Adendorff, CPUT [SP]	Teaching Probability to Grade 12s (Workshop) – Allison Kitto [FET]	Using Mathematical Modelling to Develop Pre-Service Teachers' Mathematical Knowledge for Teaching (Short Paper) - Dr Catherine Paolucci, National University of Ireland	
09:25 – 09:55	Making Maths visible in primary school (Short Paper, How I Teach) - Shauna Pamplin, Capricorn Primary [FP and IP]	How I teach division to Grade 4s (Short Paper, How I Teach) - Demelza Vianello, The Grove Primary [IP]	Operations with Integers - Michael Curry (Fairmount High) and Carla van Niekerk (St Augustines Primary) [SP]				
10:00 – 10:20	<b>TEA (CAFETERIA)</b>						
10:20 – 11:45	<b>ANNUAL GENERAL MEETING AND ELECTIONS (H3) Plenary Speaker: Sharon McAuliffe <i>How teachers hold mathematics: Attitudes and orientations towards mathematics teaching and learning</i></b>						
11:50 – 12:20	Filling up the Tens (Short Paper, How I Teach) - Lindi James and Ursula Rontsch, The Grove Primary and Kathryn Cooper, Capricorn Primary [FP]	Starting with a problem, not a technique – Toni Beardon, AIMSECC [All]	Designing a trajectory to develop the fraction concept in the Intermediate Phase - Amanda le Roux [IP]	Statistics that assist in evidence-based decision making (Workshop) - Desire Timmet, STATSSA [SP/FET]	Using Geogebra to teach transformations of graphs (Workshop) - Cerenus Pheiffer, IMSTUS [FET]	Introduction to the Scientific Calculator (Workshop) - Merrick James CASIO * Max of 25 participants	
12:25 – 12:55	Using an empty number line with Grade 3s (Workshop) - Tania Halls, The Grove Primary, Sabrina Mentoor, Capricorn Primary & Nicky Roberts, WITS [FP]						
13:00 – 13:40	<b>LUNCH (CAFETERIA)</b>						
13:45 – 14:15	How we teach money to Grade 1s (Short Paper, How I Teach) - Nicola Zeeman, The Grove Primary and Melissa Mentoor, Capricorn Primary [FP]	Measuring in 1; 2; 1nd 3-D (Workshop) - Kaashief Hassan, SDU [IP/SP]	Linear equations - do they really understand? What the discourse of better-performing Grade 8 learners says about their mathematical reasoning. - Anthea Roberts, SDU [SP]	Number theory as a route to Algebra (Workshop) – Alwyn Olivier [SP/FET]	Khan Academy in South Africa - Andrew Einhorn, Numeric – [IP/SP/FET]	Curriculum mapping of "Similarity" as a concept in Geometry in the SP and FET Phases of Mathematics (Short Paper) - Juliana Smith, Abram Adolph. Monde Mbekwa, Andrea Simpson and Kalvin Whittles	
14:20 – 14:50	Investigating patterns in Foundation Phase (Workshop) – Nicky Roberts WITS [FP]		Maths, Movies, and Apps (Workshop) - Yusuf Johnson, SDU [SP]				Analysis of van Hiele levels in circle geometry (Short Paper) – Sibawu Siyepu, CPUT [FET]
14:55 – 15:25			Teaching discrete and continuous data (Workshop) – Sue Brundrit, SDU [IP/SP]				
15:30 – 15:45	<b>PRIZE-GIVING AND CLOSURE (H3)</b>						