



# **2024 The Year of Mathematics**

**AMESA KZN REGIONAL CONFERENCE 2024**

**Edgewood Campus**

**University of KwaZulu-Natal**

**11 May 2024**

**08:30 – 16:00**

# Message

We are delighted to extend a warm welcome to all delegates attending the KZN AMESA conference and AGM, hosted here at Edgewood Campus, UKZN. Our primary focus has been to tailor this regional conference to address the practical needs of classroom practitioners. Despite its modest scale, considerable effort has been dedicated to its organization, and we trust that you will find it both informative and rewarding.

Securing funding presented a significant challenge, but we are profoundly grateful to our sponsors (Shuter & Shooter and UKZN), whose generous support underscores their commitment to ensuring the success of our conference and enhancing your experience throughout the day. We also express our gratitude to all our stakeholders and esteemed publishing companies. Their consistent presence at our workshops and conferences offers invaluable support to teachers by providing essential teaching and learning materials.

While we did not conduct paper reviews, we have confidence that the presentations will maintain the highest standards. We extend our appreciation to all the presenters who invested time in preparing their presentations for this conference. Our best wishes go out to all attendees, and we hope you will leave with fond memories of the 2024 KZN AMESA Regional Conference. For those who have not yet joined AMESA, we encourage you to do so without delay. We are confident that you will find value in membership and eagerly anticipate welcoming you back to our conference next year.

Ms. Thembelihle Madondo

Acting KZN AMESA Chairperson

## **Registration: 08h30 – 09h00**

Welcome by Prof Sarah Bansilal (Mathematics and Computer Science Cluster Leader) 09h00 – 09h10 (MMLT)

Welcome by KZN AMESA Acting Chairperson Ms. Thembelihle Madondo: 09h10 – 09h20 (MMLT)

**Plenary Presentation 1: Prof Vimolan Mudaly- *Thinking ahead during teaching* : 09h20 – 10h20 (MMLT)**

A word of encouragement to the AMESA members by Mrs. Khanyo Cele from Shuter and Shooter: 10h20-10h25 (MMLT)

Announcements: Ms. Busisiwe Goba: 10h25 – 10h30 (MMLT)

## Parallel session 1: 10:30 – 12:30

	LT 3 (Foundation Phase)	LT 4 (Intermediate Phase)	LT 10 (Senior Phase)	LT12 (Technical Maths/ Math Literacy)	MMLT (FET)
10:30-11:00	<b>1</b> CASME (Mrs. Ntombenhle Zulu) Teaching mathematics through play	<b>2</b> CASME (Mrs. K. Sahadeo & Mr. PT Mahlabela) Paper folding activities for the teaching of geometry [with a bit of ICT integration]	<b>3</b> CASME (Mr. Zenzele Ntshalintshali) Using GeoGebra to investigate properties of 2D shapes	<b>4</b> Prof. Sarah Bansilal Mathematical literacy: Vision and Practice	<b>5</b> Mr Thokozani Mkwanzani Interpretation of Algebraic functions
11:00-11:30				<b>9</b> SHARP (Mr Andrew Naude)	
11:30-12:00	<b>6</b> ICONIC (Mrs. Connie Skelton) (Un)common Factors and multiples of fractions.	<b>7</b> SHUTER AND SHOOTER (Mrs. Thami Mahlobo) Teaching patterns in the Intermediate Phase	<b>8</b> Prof. Jayaluxmi Naidoo Sustainable Mathematics Education: Exploring Innovative Approaches and Sharing Best Practice	Using the Sharp calculator in a mathematics class	<b>10</b> Dr Mzwandile Zulu Using GeoGebra to teach trigonometry
12:00-12:30	<b>11</b> Prof. Zanele Ngcobo Teachings fractions for understanding	<b>12</b> Dr Joshua Abah ABAH Emphasizing the centrality of ethnomathematics to the year of mathematics	<b>13</b> SHUTER & SHOOTER (Mr. Mfundo Dzanibe) Teaching functions at a Senior Phase	<b>11</b> Dr Themba Mthethwa Deconstructing Technical Mathematics: An Examination of Curriculum Content and Its Alignment with Pure Mathematics in South African Secondary Education	<b>12</b> Dr Daniel Krupanandan “Summative” or “Umbrella” teaching strategies to teach composite conceptual skills and knowledge within a single teaching example

## Plenary Presentation 2: Prof Alfred Mvuyelwa Msomi- Advancing Mathematics Education in South Africa

**:Reflecting on Our Collective Dedication:** 12h30-13h15 (MMLT)

Annual General Meeting: 13h15 – 14h15 (MMLT)

Lunch: 14h15 and departure