

## **NATIONAL CONFERENCE PRESENTATIONS**

### **2016**

- Ndlovu, M. 14–16 March 2016. Learner perceptions of inquiry in science fair projects: A case study of a regional science fair in South Africa. First Annual Conference of Science, Technology, Engineering, Mathematics & Innovation (STEMI) Olympiads and Competitions Community of Practice. JOHANNESBURG, South Africa.
- Jeram R & Hanekom P. 17 – 20 January 2016. Initial reflections on the use of tablets in a SUNCEP Teacher Professional Learning programme. Education Association of South Africa (EASA) 2016 Conference, HERMANUS, Western Cape, South Africa.
- Fair A. 17 – 20 January 2016. Chasing student numbers or quality results through teacher professional learning in a school based intervention programme. Education Association of South Africa (EASA) 2016 Conference, HERMANUS, Western Cape, South Africa.
- Hoffman E. 17- 20 January 2016. Perceptions of mentors and mentees after implementation of a practise based, professional learning mentorship model. Education Association of South Africa (EASA) 2016 Conference, HERMANUS, Western Cape, South Africa.

### **2015**

- Siyengo N. 25-29 October 2015. The educational and psychosocial experiences of first generation students in higher education. South African Education Research Association (SAERA) 2015 Conference, University of the Free State, BLOEMFONTEIN, South Africa.
- Hoffman E. 21- 23 September 2015. Teacher self-reflection and mentor observation as flip sides of a practice-based, professional learning and mentoring coin. 9th Annual Teaching & Learning in Higher Education Conference UKZN, DURBAN.
- Hanekom PW. 21- 23 September 2015. Piloting the use of PC Tablets in a Teacher Professional Learning initiative: Initial learnings. 9th Annual Teaching & Learning in Higher Education Conference UKZN, DURBAN, South Africa.
- Van Graan D. 21- 23 September 2015. Exploring Inquiry-based Education in a Professional Learning Programme for Science Teachers. 9th Annual Teaching & Learning in Higher Education Conference UKZN, Durban.
- Ndlovu M, Jeram R & Fair A. 31 August – 1 September 2015. Annual Mathematics Education Research Chairs' Community of Practice Forum, PORT ELIZABETH, South Africa.
- Du Plessis H, Ndlovu M & Fourie-Malherbe M. 28 June – 3 July 2015. The role of Advanced Programme Mathematics in bridging the gap between school and university mathematics. 21st Association of Mathematics Education of South Africa (AMESA) 2015 Congress at the University of Limpopo, POLOKWANE, South Africa.
- Ndlovu M. 25 – 27 March 2015. Challenges for Olympiads and Competitions in the country: Experiences from a Regional Expo for Young Scientists. Keynote speaker at the DST/NRF organised Science Technology, Engineering, Mathematics and Innovation (STEMI2015) conference on Olympiads and Competitions, JOHANNESBURG, South Africa.

### **2014**

- Ndlovu M. 20 – 21 November 2014. Topic 1: Implementing Designs for Blended Learning: Early experiences with Moodle in an in-service Advanced Certificate in Education (ACE) programme for mathematics teachers. Blended Learning in Higher Education Conference 2014, JOHANNESBURG, South Africa.
- Ndlovu M. 20 – 21 November 2014. Topic 2: Implementing Designs for Blended Learning: Early experiences with social media support for accredited in-service short courses for mathematics and science teachers. Blended Learning in Higher Education Conference 2014, JOHANNESBURG, South Africa
- Lourens E, Fourie-Malherbe M & Ndlovu M. 28-29 October, 2014. Understanding the experiences of educationally disadvantaged students at Stellenbosch University. Scholarship of Teaching and Learning Conference 2014, STELLENBOSCH, South Africa.
- Pfeiffer CR. 7 – 11 July 2014. Changing the way we teach function transformations with. 20th Congress of the Association of Mathematics Education of South Africa (AMESA), KIMBERLEY, South Africa.

## 2013

- Fourie-Malherbe M & Lourens E. 30 October - 1 November 2013). Falling through the cracks: how institutional research fails educationally disadvantaged students. SAAIR FORUM 2013, DURBAN, South Africa.
- Pfeiffer CR. October 2013. Using GeoGebra to teach transformations of graphs. (Workshop). AMESA Western Cape Regional Conference, CAPE TOWN, South Africa.
- Ndlovu M. 24 – 28 June 2013. Teachers' perceptions of the relevance of their mathematics INSET programme. 19th Congress of the Association of Mathematics Education of South Africa. University of the Western Cape, CAPE TOWN, South Africa.
- Ndlovu M. 24 – 28 June 2013. The learning of geometry as the moving from one thinking level to the next: Revisiting van Hiele. 19th Congress of the Association of Mathematics Education of South Africa. University of the Western Cape, CAPE TOWN, South Africa.
- Ndlovu M. 24 – 28 June 2013. (Invited Panel Speaker) Mathematics teaching and learning in the Western Cape: the FET phase scenario. 19th Congress of the Association of Mathematics Education of South Africa (AMESA). University of the Western Cape, CAPE TOWN, South Africa.
- Pfeiffer CR. 24 – 28 June 2013. Using GeoGebra in Mathematics (Pre-workshop). 19<sup>th</sup> Congress of the Association of Mathematics Education of South Africa (AMESA). University of the Western Cape, CAPE TOWN, South Africa.
- Pfeiffer CR. 24 – 28 June 2013. Using GeoGebra to teach circle geometry (Workshop). 19<sup>th</sup> Congress of the Association of Mathematics Education of South Africa (AMESA). University of the Western Cape, CAPE TOWN, South Africa.

## 2012

- Lourens E. 29 September 2012. Understanding the experiences of educationally disadvantaged students at Stellenbosch University. ESRRC Conference 2012. CAPE TOWN, South Africa.
- Ndlovu M. 15 September 2012. An analysis of pre-service teachers' understanding of geometric definitions and class inclusion (short paper). AMESA Western Cape Regional Conference, CAPE TOWN, South Africa.
- Jeram R. 15 September 2012. Interpreting graphs: Senior Phase focus (workshop). AMESA Western Cape Regional Conference 2012, CAPE TOWN, South Africa.
- Pfeiffer CR. 15 September 2012. Using GeoGebra free dynamic software for transformation geometry (workshop). AMESA Western Cape Regional Conference 2012, CAPE TOWN, South Africa.
- Tambara C. 15 September 2012. Position, orientation and views (workshop). AMESA Western Cape Regional Conference 2012, CAPE TOWN, South Africa.
- Van Wyk R. 15 September 2012. Using concrete teaching aids to teach fractions and to incorporate measurement (workshop). AMESA Western Cape Regional Conference 2012, CAPE TOWN.
- Pfeiffer CR. 28 – 30 August 2012. Transformation Geometry with GeoGebra (workshop). Maths, Science & ICT in Education in Education Convention 2012. JOHANNESBURG, South Africa.
- Jeram R. 25 – 29 June 2012. Solving simultaneous equations in context to illustrate the basics of mathematical modelling: FET phase focus (workshop). 18th Congress of AMESA, POTCHEFSTROOM, South Africa.
- Pfeiffer CR. 25 – 29 June 2012. Teaching of the theorem of Pythagoras with GeoGebra & An introductory lesson to Trigonometry with GeoGebra. 18th Congress of AMESA, POTCHEFSTROOM, South Africa.
- Müller A, Beyers, E & Du Plessis A .22-23 May 2012. The Role of Grit, a Growth Mind-set and: "Get-better" Goals in Academic Success – A SciMathUS Case Study. Conference on the Scholarship of Teaching and Learning. Stellenbosch University, STELLENBOSCH, South Africa.
- Müller A & Van Wyk C. 22 -23 May 2012. Using quantitative methods to measure the impact of selected variables on student achievement in higher education. Conference on the Scholarship of Teaching and Learning. Stellenbosch University, STELLENBOSCH, South Africa.
- Ndlovu M. 2 - 4 April 2012. An analysis of the alignment between SA's grade 8 Mathematics curriculum and TIMSS 2003 grade 8 Mathematics assessment frameworks. South African Basic Education Conference, DURBAN, South Africa.

Jeram R. 2 – 4 April 2012. Institutionalising change: Using Fullan's eight drivers of change as a theoretical framework for measuring change within teachers on a professional development project (poster). South African Basic Education Conference, DURBAN, South Africa.

Pfeiffer CR (April 2012). Teaching of Euclidean Geometry with GeoGebra. GeoGebra Conference, Nelson Mandela Metropolitan University, PORT ELIZABETH, South Africa.

Pfeiffer CR. March 2012. Teaching of the theorem of Pythagoras with GeoGebra. The Cape Teaching and Leadership Institute (CTLI) Conference 2012. (Workshop), WORCESTER, South Africa.

Jeram R. March 2012. The teaching of probability. The Cape Teaching and Leadership Institute (CTLI) Conference 2012 (Workshop). WORCESTER, South Africa.

## **2011**

Pfeiffer CR. 3 & 4 October 2011. Investigate the relationships that exist between the sides of a triangle with GeoGebra. Mathematics Solutions Conference. KUILS RIVER, South Africa.

Malan S, Marnewick M & Lourens E. August 2011. From a squatter camp to a PhD: Bridging the gap (abstract published in Academy of Science of South Africa (ASSAF)).

Pfeiffer CR. 11-15 July 2011. Using GeoGebra to teach Transformation Geometry. 17th Annual AMESA National Congress. JOHANNESBURG, South Africa.

Malan S. 16-17 May 2011. From Eersteriver to a PhD: Bridging the gap. Scholarship of Teaching and Learning Conference 2011. SOMERSET WEST, South Africa. (Also received a merit certificate in the category best overall presentation).

Mostert I. 16-17 May 2011. Success factors in a blended learning model: accessibility and flexibility, Scholarship of Teaching and Learning Conference, SOMERSET WEST, South Africa.

Malan S & Kruger S. 16-17 May 2011. Assessment for learning using collaborative testing: a case study. Scholarship of Teaching and Learning Conference. SOMERSET WEST, South Africa.

Mostert I & Van Heyningen M. 16-17 May 2011. Success factors in a blended learning model: Accessibility and flexibility. Scholarship of Teaching and Learning Conference 2011. SOMERSET WEST, South Africa.

Hoffman E. 30 March 2011. Scientific Investigations: A neglected/misinterpreted part of science teaching. Knowledge Production and Higher Education in the 21st Century - Knowledge Conference 2011. CAPE TOWN, South Africa.

Fair A & Ndlovu M. 10-13 January 2011. Still smiling mid-way through the SMILES project. Education Association of South Africa (EASA), SUN CITY, South Africa.

## **2010**

Malan SB. 25 October 2010: How cluttered is your table? Reflections on developing an introductory to economics course. Presentation made at colloquium of the Faculty of EMS, Stellenbosch University, STELLENBOSCH, South Africa.

Malan SB, Marnewick M & Lourens E. 21-22 October 2010. From Eersterivier to a PhD.. Presentation made at the Mind the gap forum, Academy of Science of South Africa (ASSAF) conference 2010, CAPE TOWN, South Africa.

Malan SB. 14 September 2010. A brief on two developmental workshops to unlock full student potential at Southern African higher education institutions. Presentation made at the SAACHD conference, STELLENBOSCH, South Africa.

Mostert I. August 2010. Innovative pedagogical practices using technology: my personal journey, Innovative Pedagogical Practices in Extended Curricula Regional Conference, Cape Peninsula University of Technology, CAPE TOWN, South Africa

Mostert I. 11-12 May 2010. Moving to Moodle, Scholarship of Teaching and Learning Conference, STELLENBOSCH, South Africa.

Malan SB, Marnewick, M. & Lourens, E. 11-12 May 2010. Reflections on the development of a hybrid PBL approach in a pre-higher education programme. Presentation made at the 2<sup>nd</sup> Annual Scholarship of Teaching and Learning conference, Stellenbosch Lodge, STELLENBOSCH, South Africa.

Marnewick M, Lourens E & Malan S. 11-12 May 2010. A Local Instruction Theory for implementing PBL as a tool for the Integration of Mathematics and Physical Sciences Curricula. Presentation made at the Scholarship of Teaching and Learning Conference, STELLENBOSCH, South Africa.

Ndlovu M, Wessels D & De Villiers M. 28 March – 1 April 2010. Modelling with Sketchpad to enrich students' concept image of the derivative. 16<sup>th</sup> Annual Congress of the Association for Mathematics Education of South Africa (AMESA), DURBAN, South Africa.