

Newsletter

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Welcome from the chairman

Welcome to all our SACPS members, It gives me great pleasure as the chairman for the next two years to welcome all our new members that have joined since our last newsletter and we trust that you will find the society beneficial to you and look forward to your continued membership.

This newsletter is intended to inform all our existing and potential members of events occurring within the society and the coal processing industry as a whole. We welcome your feedback, suggestions, etc for future newsletters. Please follow us on Twitter, LinkedIn and Facebook, check out our website, LinkedIn and Facebook page for up-

to-date information on events and happenings within the society and of course we appreciate feedback and suggestions from all members.

Our biennial conference took place from 19 - 22 August 2019 at Gracelands Hotel Casino and Country Club, Secunda and this newsletter is filled with interesting information gained from the various presentations that were given.

Our thanks go to all the sponsors firstly who took up sponsorship packages, without your contribution none of this would have happened and secondly to all the delegates who attended.

Key Note Speakers

Our key note speakers who presented at our conference, namely Professor Chris van Alphen from ESKOM who presented on the issues of coal processing and Lesley Jeffrey from SRK who gave a very interesting presentation on the history of coal within South and Southern Africa and where the reserves are situated as well as the yield for the next 20 years plus.





Our aim is to provide a forum for the exchange of knowledge related to coal processing by means of meetings, conferences, seminars and colloquia.

Objectives and goals of SACPS

Create forums for the exchange of knowledge related to coal processing by means of technical meetings, conferences, seminars, etc.

To further the education and understanding of coal processing by Society members and industry personnel.

To foster co-operation with appropriate educational institutions and other similar organisations for the furtherance of coal processing knowledge.

To distribute accumulated funds to support the objectives above.

Biennial Conference Program

The biennial technical conference program was as follows:

Tuesday 20 August 2019 - Theme - Coal Processing – Extracting value from low grade reserves.

Welcome/Opening by the Chairman of the SACPS - Devraj Reddy

1st Session - Topic: New plants and projects

Developments in coal processing technology and capacity since 1980's by M Cresswell.

Dense medium separation using a magnetic cyclone by J Rust and R Fourie

2nd Session - Topic: Dense medium processing

Keynote address by C van Alphen

The Impact of Magnetite Rheology on Separation Efficiency In a 165 mm Dense Medium Cyclone by J Bosman

Medium Density Measurement without the Need for a Gamma Ray Source by T.M. Powel

Taking care of your plant's cyclones in order to take care of your plant F Enslin & E Bekker

3rd Session - Topic: Fine coal processing

Development of a high capacity, low cut spiral for coal industry by H Baloyi et al.

Flotation performance of different South African coal samples by using different frother and collector dosage by H. Assefa & N. Tshiongo-Makgwe

Absorbent assisted drying of spiral and flotation coal fines by R Erlank et al.

4th Session - Topic: Fine coal processing

Filter Press plant design by M Craddock

Optimizing a reflux classifier circuit by G Legodi



Biennial Conference Program

Wednesday 21 August 2019

5th Session - Topic: Coal properties and analysis

Determining the expected and actual measurement performance of an online element analyser on the final product stream of Grootegeluk 7 & 8 plants by H Engelbrecht & M Roper

Investigating the relationship of South African coal physical properties by using analytical data from the Rhovol particle analyser by N Tshiongo-Makgwe

Low relative density processing of coal with large diameter dense medium cyclones by P Rugube

Coal washabilities: Comparison between traditional methods and the Rhovol analyser by Prof Q Campbell

6th Session - Topic: Dry processing

Keynote address by L Jeffrey

Meiteng Telligent Dry Sorter – TDS : The story S Parkhouse

Dry processing for coal preparation: a review by N Hughes

The use of winnowing for dry coal beneficiation: simulation studies by L R Morgan

7th Session - Topic: Processing equipment

Innovative slurry pumping solutions overcome challenges in coal by M Jooste

A performance comparison between PU and ceramic densifying cyclones By K Naidoo

A practical proven fines circuit by M Craddock

8th Session - Topic: Dewatering and filtration and Tailings disposal and water savings

Discard Waste Amelioration Approaches at Greenside Colliery by D Power et al

Defining the transport mechanism during contact sorption drying of coal fines by Prof M le Roux et al.

Thursday 22 August 2019

9th Session - Topic: Coal processing research

An Investigation into The Drainage Capacity of Linear Horizontal Screens by A Fouchee

Application and performance of the Larcodems by G McLachlan

Life extension by extracting value from low-yielding coal reserves at Bokgoni Plant by F Du Toit

The Optima Process In Fine Coal Beneficiation – One System Serving Two Coal Markets by T Kale

Surface mining machines by W Kukard



Biennial Conference

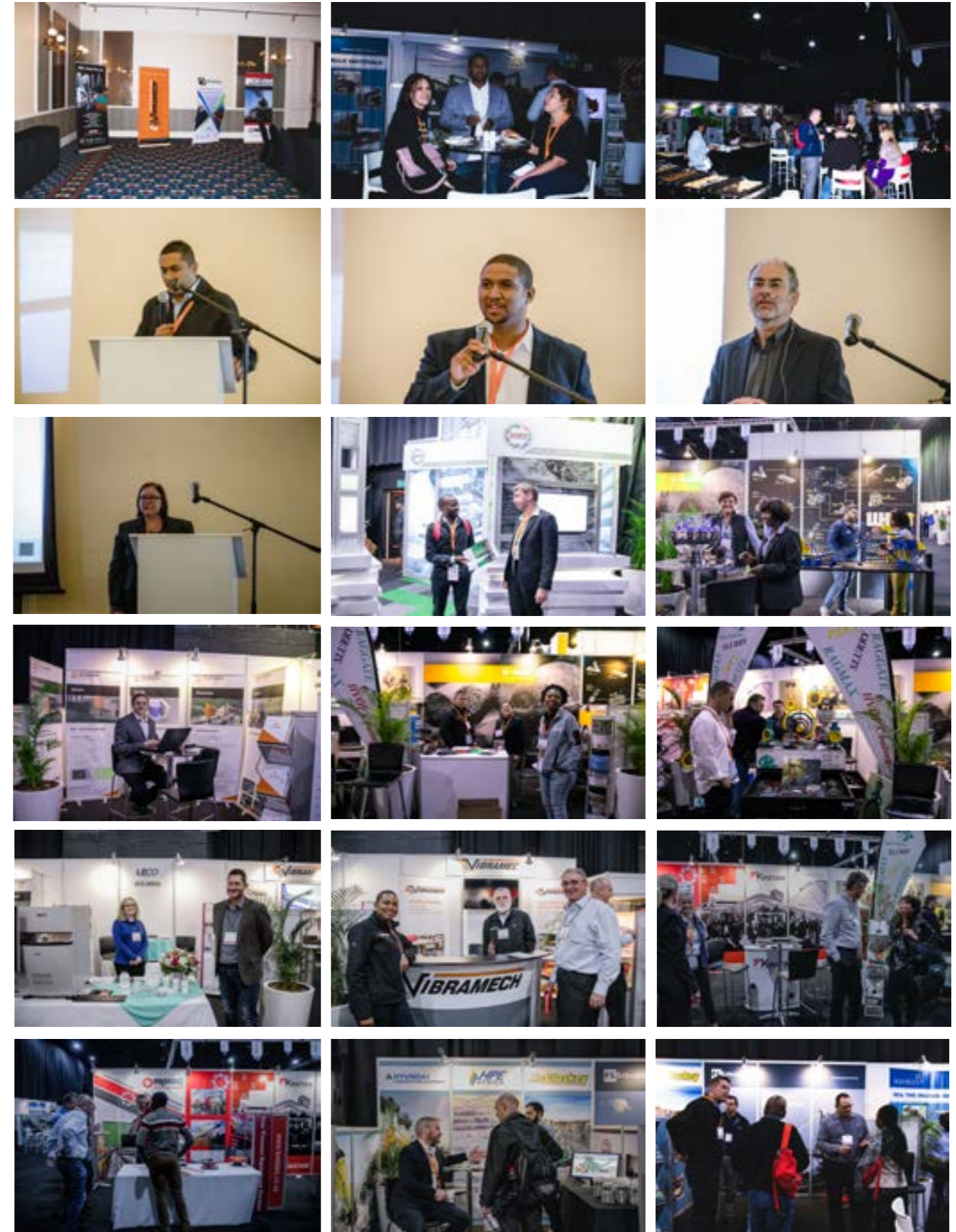
The biennial conference took place at Graceland Conference Centre and Casino in Secunda from 19 - 22 August 2019.

A full program of interesting papers were presented over the three days covering a variety of topics. The papers from this conference as well as from previous conferences are available on this [link](#) on our website.

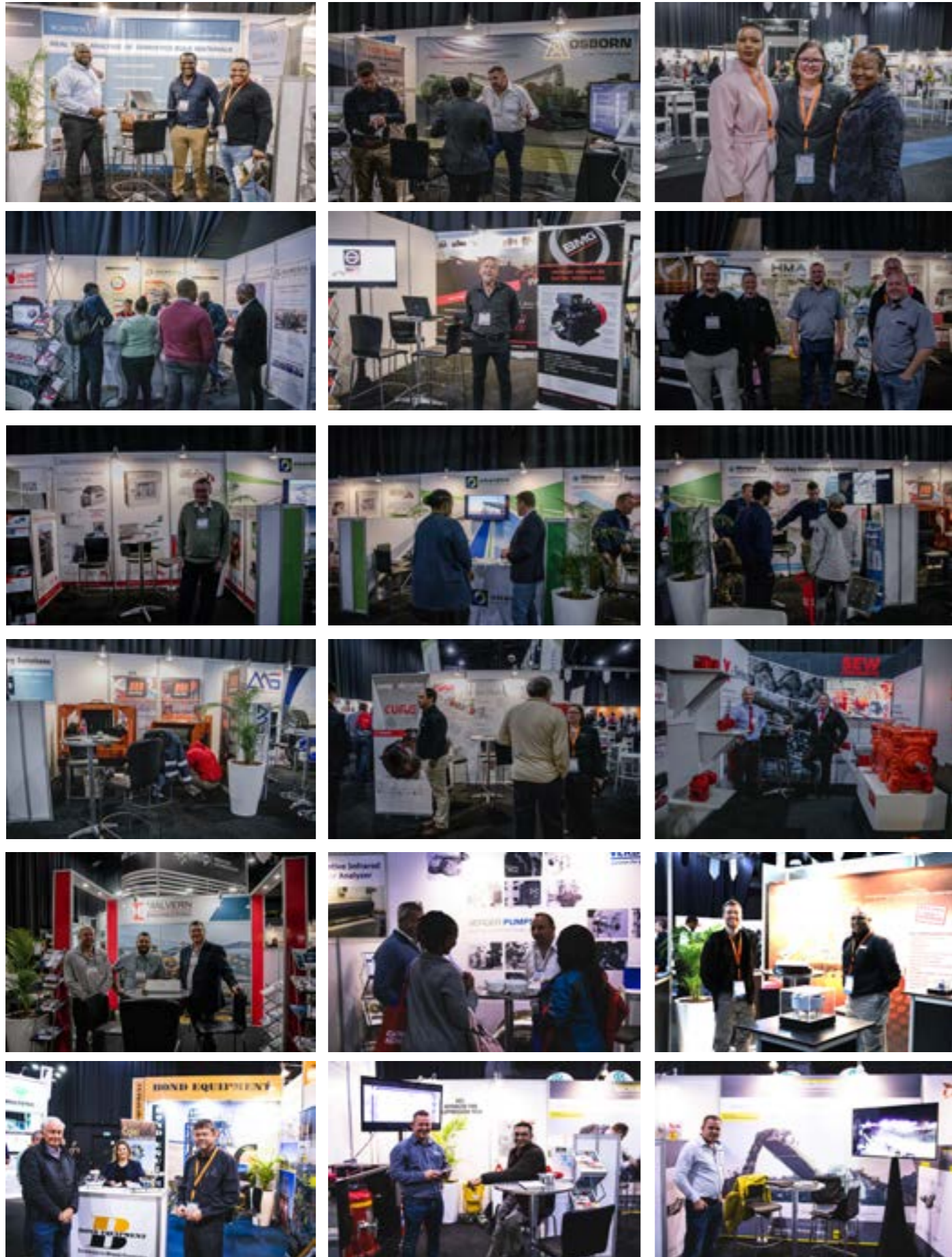
High resolution photographs are also available to download from this [link](#).



Highlights from the Biennial Conference



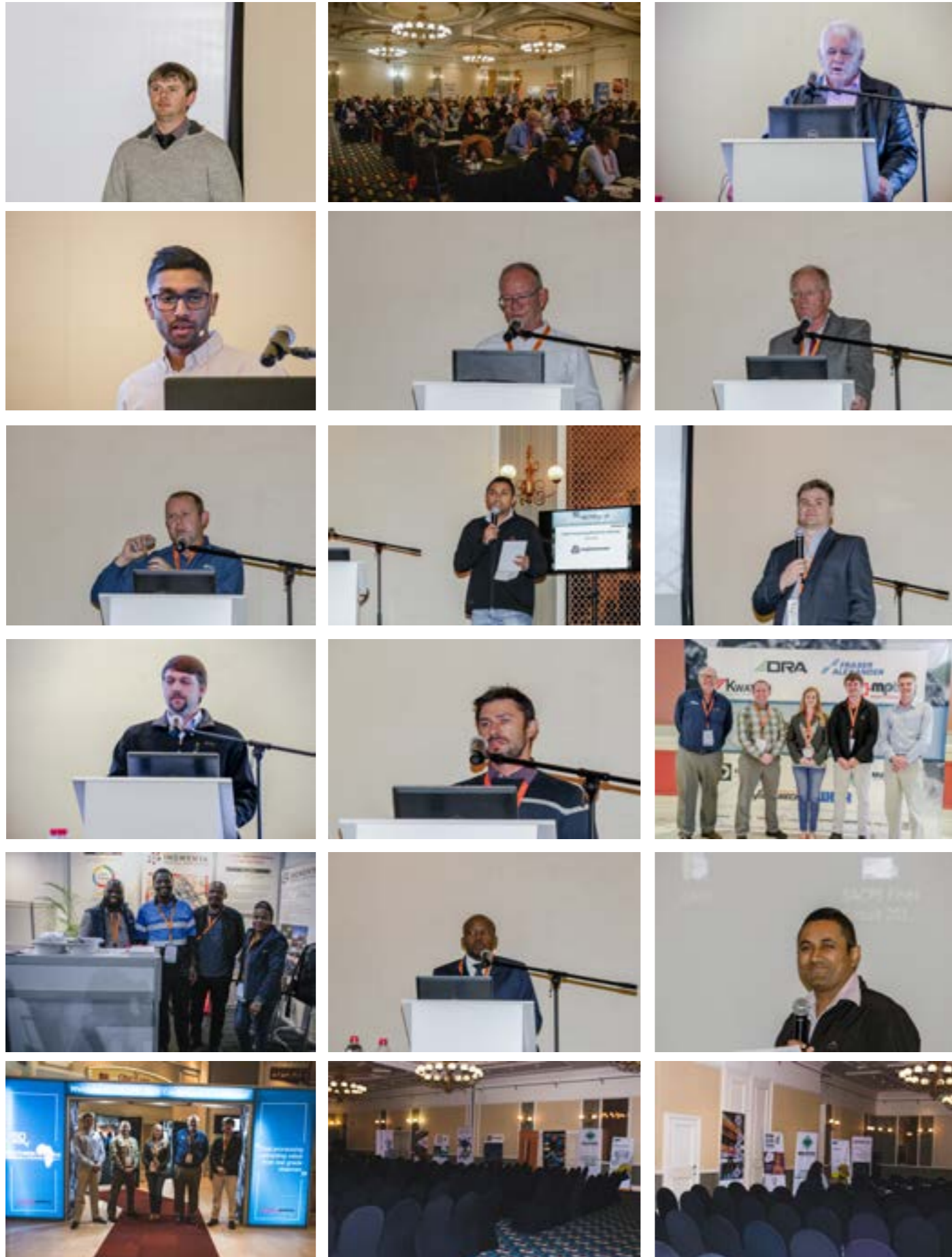
Highlights from the Biennial Conference



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