

Newsletter

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Student project presentation

Elmarie Pieters presented her final project presentation as a bursary student at the technical meeting in November 2018. Her presentation titled "Coal Benefication" covered the dry beneficiation of -13.2mm +0.5mm South African coal using an air dense medium fluidization bed.

The main aim of her study was to investigate the influence of operating parameters (PSD, coal to medium ratio and vibration) on the performance of an ADMFB coal separator when feeding -13.2mm South African ROM coals.

Her full presentation can be obtained from Johan de Korte.



Welcome from the chairman

Welcome to all our SACPS members, I would also like 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.

I would like to take this opportunity to wish everyone a happy and successful 2019. May this year bring new happiness, new goals, new achievements and a lot of new inspirations into your lives. Wishing you a year fully loaded with happiness.

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 technical workshop was held on 29 August 2018 at the Dome at the Ridge Casino in Emalahleni and was well attended by various members and students interested in coal and mineral processing.

Our biennial conference will take place from 19 - 22 August 2019 at Gracelands Hotel Casino and Country Club, Secunda.

Details are available on our website and the call for papers has been advertised. More details regarding the program will be available soon. Registration documents and sponsorship opportunities for the conference are available on our website. The direct link is <http://www.sacoalprep.co.za/events/conferences/>

Please keep checking our website and social media platforms for updates.



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.

50 Years of the Southern African Coal Processing Society Coffee Book

The high-quality leather-bound coffee table book is available for purchase.

Please contact Gerda via email at info@sacoalprep.co.za to order your copy.



CTC

Mineral Processing – Coal Preparation
The current courses presented at CTC are aimed at mineral processing but are also applicable to other beneficiation processes.

Both the Basic and Advanced courses' Unit Standards are accredited by the MQA and are being presented under the auspices of the South African Coal Processing Society.

Jaco Strydom reported that CTC ended the year on a high note. The learners who participated and completed the Advanced Coal Preparation course did so with a 100% pass mark for the year.

All 15 candidates completed their respective presentations on the 3rd & 4th December 2018. Some interesting topics were covered and the projects that the learners embarked on were of a very high standard and they made quite an impact on their different

Business Units.

CTC will reopen on 14 January 2019 and will be kicking the year off with the first Advanced Coal Preparation course starting on the 21st of January 2019.

The first Basic Coal Preparation course for 2019 will commence on the 1st of February 2019.

CTC are looking forward to a very progressive and fruitful 2019 where they will be enriching a lot more learners with Coal Preparation knowledge.

They will also be preparing full steam to re-introduce the Mineral Processing Level 2 qualification in 2019.

For more information, please contact Jaco Strydom on +27 13 691 9933/4/5 or via email jstrydom@ctctraining.co.za



Biennial Conference and other society news

The biennial technical conference which will take part on 19 - 22 August 2019 is a great opportunity to present papers on topics around the theme of "Coal processing - extracting value from low grade reserves".

The registration form is available on our website and should be sent to Gerda Craddock at info@sacoalprep.co.za

Sponsorship opportunities are also available. More information on these types of opportunities are available on our website.

The annual dinner dance will be held on 17 May 2019 at Centre Court, Emperors Palace, Kempton Park. More information on this will be shared on our website and via social media platforms shortly.

The "Coal Preparation in Southern Africa" handbook is presently being edited before publishing and should be available later on this year. If you would like to purchase the current edition, please contact Gerda Craddock at info@sacoalprep.co.za

The first Technical Meeting of 2019 of the Southern African Coal Processing Society will be held at the Colliery Training College (CTC) in Emalahleni on Thursday 24 January 2019 at 14h00 and the topic to be covered is "New Coal Processing Plants". If you have a paper to present, please contact Johan de Korte in this regard.

Please also contact Johan for more information on presenting papers at future technical meetings or to obtain information on papers already presented. His contact email is johan.dekorte@sacoalprep.co.za

The 19th International Coal Preparation Congress will take place in New Delhi, India from 13 – 15 November 2019.



Calls for papers has already gone out. More details on the conference is available on our website.

Tel: +27 (18) 299-1376 or via email at John.Bunt@nwu.ac.za

An interesting article on green coal development for application in fixed-bed catalytic gasification was recently published in the SAIMM journal.

The synopsis details that a novel 'green coal' product formulation has recently been developed and the utilization concept tested at the North-West University coal research laboratories.

Hydrothermal liquefaction was used to produce bio-oil and biomass char from sweet sorghum bagasse at operating temperatures ranging between 280 and 300°C, and the resultant char was mixed in various ratios (0, 0.25, 0.50, 0.75, and 1) with fine medium-rank C bituminous discard coal (<212 µm) and CaCO₃ (1–5 wt%).

The mixtures were pressed into 12 × 12 mm pellets using an LRX press at a pressure of 4 bar and gasified using CO₂ at atmospheric pressure and temperatures ranging between 800 and 1000°C.

For more information on the article please contact Prof. John R. Bunt at North-West University.

2019 will be a very exciting year with our Secunda Conference, ICPC conference and our annual dinner and numerous technical meetings all happening. We look forward to the support and participation of all stakeholders throughout the year.

Coal Processing has a significant role to play in our energy sector more especially to provide economically feasible, environmentally friendly solutions. In order to achieve this we will need all years of expertise and knowledge in our fraternity. Thank you to everyone who contributes selflessly to achieve the goals of the SACPS.

2018 was a torrid year for the mining industry as a whole regarding safety with a number of fatalities being reported. We have to do our best to ensure the safety of those we work with and this should be our number 1 priority for this year and going forward.





Our sponsors for 2017-2018



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