

The Southern African Institute of Mining and Metallurgy

is proud to host the

FURNACE TAPPING 2018 CONFERENCE

14 October 2018 - Welcome Networking Cocktail & Entertainment

15–16 October 2018—Conference

17 October 2018—Technical Tours

BACKGROUND

A controlled tapping process is essential for all pyrometallurgical smelting furnaces. Draining of metal and slag in a controlled fashion is as important as maintaining a closed tap-hole when required. From a furnace containment perspective, the tap-hole area is one of the high wear, and therefore high risk. Tap-hole failures can have devastating impacts on smelters. Risk mitigation steps therefore addresses safety and health of operators, consequential property damages, and loss of production (business interruptions). Tap-hole life-cycle design and management require development of high quality materials, equipment, and methods that not only take criteria for normal operating conditions into account, but also those of maintenance, repairs, and relines.

Furnace Tapping 2014 was a first of its kind event. The event focused on the challenges associated with furnace tap-hole life-cycle design and management, and on finding ways to address these challenges, for which no miracle one-size-fits-all solution exists. South Africa, which produced 18 commodities at more than 75 sites applying smelter technology, was an ideal breeding ground for such an event. Although it had a strong local focus, people from other parts of the world also gathered to share creative solutions to problems many had in common.

The SAIMM takes pride in announcing a follow-up conference, Furnace Tapping 2018, which will again be hosted in South Africa, in October 2018. The high standard of technical papers compiled in the peer-reviewed proceedings of Furnace Tapping 2014 will be maintained. The SAIMM envisage for Furnace Tapping 2018 further documentation of tapping practices by existing operators, more reviews of current operations, and descriptive case studies in which technologies available for tap-hole design, monitoring, closure, and maintenance were applied. Of special interests are feedback on research conducted in the field, and the impact of safety, health and environmental regulations from various parts of the world, on tap-hole life-cycle design and management.

Looking forward to meeting you at Furnace Tapping 2018!

OBJECTIVES

To provide an international forum for transfer of new knowledge on the design, maintenance, and operating practices surrounding the tapping of pyrometallurgical smelters, and to discuss methods and results of research conducted in the field.



Photographer ©Joalet Steenkamp

It doesn't interest me who you know or how you came to be here. I want to know if you will stand in the centre of the fire with me and not shrink back. (from the poem, The Invitation, by Oriah Mountain Dreamer)

Nombolo Mdhuli
Conference Centre
Kruger National Park
South Africa

KEYNOTE

Prof. P.C. Pistorius
(Carnegie Mellon University)

J.J. Sutherland
(Transalloys)

WHO SHOULD ATTEND

The conference is aimed at delegates from the pyrometallurgical industry operating smelters or those who support them, and includes:

- ⇒ First line, middle, and senior management
- ⇒ Plant/production engineers
- ⇒ Process/development engineers
- ⇒ Refractory engineers
- ⇒ Design engineers
- ⇒ Maintenance engineers
- ⇒ Safety practitioners
- ⇒ Researchers in the field



SAIMM
THE SOUTHERN AFRICAN INSTITUTE
OF MINING AND METALLURGY

FOR FURTHER INFORMATION CONTACT:

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Conference Announcement

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SAIMM
THE SOUTHERN AFRICAN INSTITUTE
OF MINING AND METALLURGY

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SAIMM, P.O. Box 61127, Marshalltown, 2107
Tel: +27 11 834 1273/7 · Fax: +27 11 838 5923 or 833 8156
E-mail: camielah@saimm.co.za (Head of Conferencing) or
anna@saimm.co.za (Registration)

Nombolo Mdhuli Conference Centre, Kruger National Park, South Africa

PERSONAL DETAILS

Title First Name Other Initials Surname/Family Name
Preferred Name (for use on name badge)
Company Designation
Company VAT Registration (Compulsory—SA companies) Order No
Invoice Address
..... Code Country
Tel/Cell: Fax: E-mail:
SAIMM Membership No. Are you a presenting author? Do you require an invitation for visa purposes?

Please note: Non-members who have not previously been members of the SAIMM are entitled to free membership up to 30 June 2019, for attending this Conference.

Would you like to become a member of SAIMM?
Please indicate by (✓ tick) ☐

REGISTRATION FEES — All prices are inclusive of VAT.

Please indicate your choice by (✓ tick).

	Early registration fees Before 20 July 2018	Registration fees After 20 July 2018
Author	R4 400 <input type="checkbox"/>	R4 400 <input type="checkbox"/>
SAIMM Members	R7 040 <input type="checkbox"/>	R8 800 <input type="checkbox"/>
Non Members	R9 680 <input type="checkbox"/>	R11 000 <input type="checkbox"/>
Students/Retired Members	R4 400 <input type="checkbox"/>	R4 400 <input type="checkbox"/>

REGISTRATION ONE DAY: R6 160

Delegates may also attend the conference for **ONE** day only

Please indicate (✓ tick) which day you will be attending.

Conference:

Monday—15 October 2018 ☐ Tuesday—16 October 2018 ☐

Technical Tours: Wednesday 17 October 2018

Anglo American Polokwane Smelter, Polokwane — R1 000 ☐

Neven Matthews Steel, Witbank — R1 000 ☐

• **Registration fees include:** attendance at technical sessions, cocktail parties, all refreshments and lunches, abstract booklet with CD of all papers presented at the conference, and delegate material.

• **Registration fees exclude:** travel, accommodation and conference proceeding book.

Proceedings Book

Please note: Proceedings books are not printed for delegates at the Conference. Delegates who require proceedings books should notify us not later than 21 September 2018 - there is an additional cost of R2 000.

(Please Note: The cost of the printed proceeding book may increase depending on the number of Volumes to be printed).

Cancellation and transfer policy:

Delegates unable to attend the event may send a substitute delegate in their place. Please send written details of substitution. Written cancellations must be received more than 10 working days prior to the date of the event and will be liable for 50% of the event fee. Failure to cancel, or cancellation received 10 working days or less prior to the event date, will result in liability for the full event fee.

SOCIAL FUNCTIONS

■ Welcome cocktail party (Sunday—14 October 2018)

Please indicate (✓ tick) for catering purposes if you will be attending any of the social functions (included in the registration fee for all fully registered delegates and students).

Payment required for additional guests only R250 each

YES ☐ I will be attending (registered delegates) N/C

■ Conference Dinner (Monday—15 October 2018)

Please indicate (✓ tick) for catering purposes if you will be attending this function (included in the registration fee for all fully registered delegates and students).

Payment required for additional guests only R850 each

YES ☐ I will be attending (registered delegates) N/C

■ **Special requirements** — Please advise of any special requirements for diet, health or physical disabilities.

PAYMENT

Please include payment itemised as follows:

Conference registration fee	R
Cocktail function (R250 extra guests)	R
Conference Dinner (R850 extra guests)	R
Proceedings Book (R2 000)	R
Anglo American Polokwane Smelter, Polokwane (R1 000)	R
Neven Matthews Steel, Witbank (R1 000)	R
TOTAL R	

Cheques—Please find enclosed a cheque/money order (in SA Rands) payable to SAIMM or

EFT (Electronic Fund Transfer) — Please attach proof of payment

Credit Cards—Please debit (✓ tick) my:

Visa ☐ Mastercard ☐ American Express ☐ Diners Club ☐

Card No.

CVV authorisation (last 3 or 4 digits on the back of the card)

Expiry date:

Signature:

Please print name of cardholder:

Payment:

Full payment is due on application for registration. Registration will be confirmed **ONLY** after payment is received. **PROOF OF PAYMENT** with your invoice number reflected must be sent via fax or e-mail to the Conference Co-ordinator. Delegates who have not paid will not be permitted to attend the conference.

Our banking details are:

Bank: Standard Bank Branch: Johannesburg
Branch Code: 000205 Account No: 000402974
Account Type: Cheque Account Swift No. SBZAZAJJ

2 ECSA CPD points will be allocated to all attending delegates