



**SAIMM**  
THE SOUTHERN AFRICAN INSTITUTE  
OF MINING AND METALLURGY

*In collaboration with the MMMA*



# TAILING STORAGE CONFERENCE 2020

## Investing in a Sustainable Future

### 12–13 February 2020

Birchwood Hotel & OR Tambo Conference Centre  
Johannesburg, South Africa



#### BACKGROUND

Engineers designing tailing storage facilities are faced with a number of new challenges resulting from the encroachment of both formal and informal housing projects, legislation pertaining to water usage and pollution control, shortages of water for processing, and the requirements for tailing dam closure.

This has resulted in the introduction of new designs for construction of more stable dams, alternative deposition methods, the introduction of non-permeable linings, and the capping of dams to encourage rehabilitation and minimize dust pollution. The shortage of water in Southern Africa has necessitated changes in dam design to minimize water usage by either reducing the amount of water to the dam or increasing the amount of water recovered.

Understandably, new legislation has been passed to regulate the construction and operation of tailing storage facilities. This knowledge resides with few specialists in the industry, and the operators on the mines are sometimes unaware of the consequences of these changes for their operations. In many cases the operations engineer has been misinformed and the need has arisen to get the parties together to discuss the implications of the changes.

Reprocessing of existing tailings adds to the complexity of operating a tailing storage facility, and many new operators have little or no reference material to assist them when planning a retreatment project.

Ultimately, the design must be focused on the future closure of the facility, and this has been further complicated by changes in the minimum environmental requirements.

Industry has requested a tailing seminar for interested and affected parties to share ideas and solutions with their peers. We invite all operations, designers, technology providers, and legislators to get together for what could be a very informative and successful event.

#### WHO SHOULD ATTEND

- Senior and operational management of mines
- Engineers responsible for tailing facility management
- Regional and national officials from DoE, DMR, DWA, and DEA
- Companies and individuals offering tailings processing solutions
- Researchers
- Environmentalists and NGO's
- Legal representatives from mining companies

Sponsor



## Conference Announcement

For further information contact: Camielah Jardine  
Head of Conferencing • SAIMM • P O Box 61127, Marshalltown 2107  
Tel: (011) 834-1273/7 • Fax: (011) 833-8156 or (011) 838-5923  
E-mail: [camielah@saimm.co.za](mailto:camielah@saimm.co.za) • Website: <http://www.saimm.co.za>



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## Call for Papers/Presentations

Acceptance of papers for publication in the SAIMM Journal will be subject to peer review by the Conference Committee and SAIMM Publications Committee post-conference.

### TOPICS

This will cover a broad range of topics including:

- Latest trends in tailing disposal
- Environmental considerations and latest trends in tailing facility closure
- Minimizing of dust pollution
- Maximizing water recovery
- Legal considerations in operating a tailing storage facility
- Designing a tailings storage facility
- Permitting and application for licences
- Current legislation
- Re-mining of tailing dams – design and operation
- Rehabilitation of land following re-mining

### CALL FOR PAPERS/PRESENTATIONS

Papers or presentations are invited on any topic relating to the Conference: Prospective authors are invited to submit titles and abstracts of their papers, in English. The abstracts should be no longer than 500 words and should be submitted to:

Camielahn Jardine: Head of Conferencing  
SAIMM, P.O. Box 61127, Marshalltown 2107, South Africa.  
Tel: 27 (11) 834-1273/7 • Fax: 27 (11) 838-5923 or  
e-mail: [camielah@saimm.co.za](mailto:camielah@saimm.co.za)

### Key Dates:

<b>Submission of Abstracts:</b>	23 September 2019
<b>Submission of Papers:</b>	28 October 2019
<b>Conference:</b>	12–13 February 2020

### The Southern African Institute of Mining and Metallurgy Tailing Storage Conference 2020

Camielahn Jardine, Head of Conferencing, P.O. Box 61127, Marshalltown, 2107, Tel: 27 11 834-1273/7--  
THE DETAILS OF THIS FORM CAN BE E-MAILED TO: [camielah@saimm.co.za](mailto:camielah@saimm.co.za) or FAXED TO: +27 11 838-5923 / 833-8156

- ☐ I am interested in attending the Conference
- ☐ I may be interested in participating in a technical visit
- ☐ I intend to submit an abstract of the proposed paper or presentations entitled:

Title of paper: .....

Personal Details: Name .....

Address .....

Tel: ..... Fax: .....

E.mail: .....