

The Southern African Institute of Mining and Metallurgy
in collaboration with The Zululand Branch are organising

The Seventh International

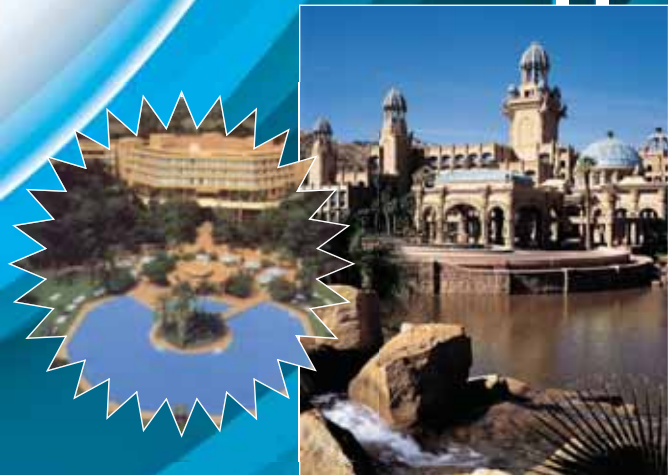
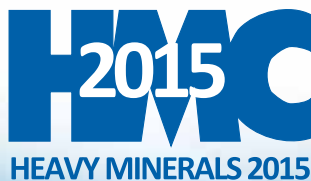
HEAVY MINERALS CONFERENCE

'Expanding the horizon'

11–13 August 2015—Conference

14 August 2015—Technical Visit

Sun City, South Africa



CONFERENCE THEME

The series of heavy minerals conferences has traditionally focused on the industries associated with ilmenite, rutile and zircon. There are many other economic minerals which have specific gravities such that they may also be classed as 'heavy minerals'. The physical and chemical properties of these other minerals results in them being processed by similar technologies and sharing similar markets to the more traditional heavy minerals. In this conference we continue to examine the mining, processing and usage of the traditional heavy minerals but also 'expand our horizons' to include other valuable minerals.

CONFERENCE OBJECTIVE

This Conference series was started in 1997 and has run every second year since that date. The Conference alternates between South Africa and other heavy mineral producing countries. It will provide a forum for an exchange of knowledge in all aspects from exploration through processing and product applications.

This is a strictly technical conference and efforts by the organizing committee are aimed at preserving this technical nature. The benefit of this focus is that it allows the operators of businesses within this sector to discuss topics not normally covered in such forums. The focus on heavy minerals includes the more obvious minerals such as ilmenite, rutile and zircon; and in addition also covers other heavy minerals such as garnet, andalucite, sillimanite, and chromite.

ABOUT THE VENUE

Nestled in the rolling hills of the Pilanesberg, one of South Africa's most scenic locations, Sun City is a world unto itself and has earned its reputation as Africa's Kingdom of Pleasure.

Finally re-discovered and now part of Sun City, the Lost City and the Valley of Waves, fabled to be the Ruins of a glorious ancient civilisation, celebrate and bring to life the legends of this mystical city.

The Lost City is internationally applauded for its wonderfully imaginative theme and exquisite landscaping whilst the fantastic Valley of Waves is one of the world's most exciting waterparks.



SAIMM
THE SOUTHERN AFRICAN INSTITUTE
OF MINING AND METALLURGY

120 YEARS OF TECHNICAL EXCELLENCE 1894 – 2014

Camielah Jardine, Conference Co-ordinator
'Heavy Minerals Conference' SAIMM, P.O. Box 61127
Marshalltown 2107, South Africa,
Tel: 27 (11) 834-1273/7 · Fax 27 (11) 838-5923 or 833-8156
E-mail: camielah@saimm.co.za

First Announcement and Call for Papers

Call for Papers

CALL FOR PAPERS

Papers are invited on any aspect relating to the Conference, and the following categories will be given preference:

Exploration

- Geophysics
- Drilling techniques
- New deposits

Mining and Minerals processing

- Alternative mining methods
- Slime handling systems
- Marine mining
- Digging of hard materials
- Design of digging systems
- Unusual mineralogy

Downstream beneficiation

- QA in manufacture of mineral separators
- Fundamentals of rutile-zircon separation
- High TiO₂ slag versus synthetic rutile
- AC or DC for smelting furnaces
- Reaction rates in ilmenite smelters
- Ferrochrome

Product Applications

- Substitution of zircon in ceramics
- Lack of price increase in pigments
- Beneficiation of ultra fine chrome
- Chrome refractories
- Rare earths

Other issues

- Energy costs
- Radiation risk
- Supply of skills
- REACH
- Mine closure

Prospective authors are invited to submit titles and abstracts of their papers, in **English**, and to indicate the topic under which the paper should be categorised. The abstracts should be no longer than 500 words and should be submitted to:

Conference Co-Ordinator, Camielah Jardine
'Heavy Minerals Conference'
SAIMM, P.O. Box 61127, Marshalltown 2107
South Africa.

Tel: 27 (11) 834-1273/7

Facsimile 27 (11) 838-5923 or

e-mail: camielah@saimm.co.za

KEY DATES

15 October 2014	Submission of abstracts
30 October 2014	Provisional acceptance of abstracts
28 February 2015	Submission of papers
11-13 August 2015	Conference
14 August 2015	Technical Visit

The Southern African Institute of Mining and Metallurgy Conference Co-Ordinator, HMC 2015

P.O. Box 61127, Marshalltown, 2107, Tel: 27 11 834-1273/7

THE DETAILS OF THIS FORM CAN BE POSTED TO US, or E-MAILED camielah@saimm.co.za or
FAXED TO: 27 11 838-5923 / 833-8156

- I am interested in attending the Heavy Minerals Conference 2015
- I may be interested in participating in a technical visit
- I intend to submit an abstract of the proposed paper entitled:

Title of paper:

Personal Details: Name

Address

Tel: Fax:

E.mail: