

HMC2025

THIRTEENTH INTERNATIONAL
HEAVY MINERALS CONFERENCE

18-19 AUGUST 2025 - CONFERENCE
SUN CITY RESORT, RUSTENBURG,
SOUTH AFRICA



The Value Chain of Heavy Minerals for the Future – From Mine to Market

CONFERENCE THEME

The HMC series of conferences is traditionally focused on mining and processing of heavy minerals. Whilst this conference will still focus on these important aspects, new challenges and opportunities calls for the evolution of the industry. There is a shift in focus to move closer to some of the strategic downstream industries with a focus on improved integration and value chain optimisation. This conference will aim at involving these key downstream industry players to facilitate dialog and knowledge sharing around technical areas where these value chain improvements can be explored. Further to optimizing current value chains, with the recent changes in the global geopolitical landscape, a strong interest for strategic minerals including rare earth elements provide new opportunities for the industry. Development in these provide additional value from the current resources mined. It however requires evolution in how industry approaches geological characterization through to mining and processing to incorporate the rare earth element bearing mineral extraction alongside current value chain.

To support the themes already highlighted for the conference, generational knowledge transfer needs to be effectively addressed to ensure the workforce of the future is enabled to lead the industry evolution. The development of technical professionals entering the industry workforce ranging from traditional training and exposure pathways to new approaches including Artificial Intelligence is seen as a key enabler for the future of the heavy minerals industry.

CONFERENCE OBJECTIVE

This series of conferences was started in 1997 and has run since that date. It provides a forum for an exchange of knowledge in all aspects of heavy minerals, from exploration through processing and product applications. This is a strictly technical conference, and efforts by the Organizing Committee are aimed at preserving its 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 also other heavy minerals such as garnet, and alusite, and sillimanite.

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. You will find whatever you want at Sun City, from sizzling entertainment, world class casinos and restaurants to cater for all tastes, to the more relaxed poolside venue, quiet places, lush gardens, and extensive sporting facilities including two world-class golf courses. These are just some of the elements that make Sun City unique among the world's entertainment resorts. 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.

Professionals specialising or working in the areas of:

- Renewable energy
- Water purification
- Infrastructure
- Desalination plants

As well as the following industry professionals are invited to participate:

- Academics
- Business development managers
- Concentrator managers
- Consultants
- Engineers

CALL FOR PAPERS AND KEY DATES

Prospective authors are invited to submit abstracts of not more 500 words, in English. Please email abstracts and requests to be added to the conference mailing list to Gugu Charlie: Conferences and Events Co-ordinator, SAIMM at gugu@saimm.co.za

25 February 2025 – Abstract submissions
4 April 2025 – Paper submission
18-19 August 2025 – Conference
20 August 2025 – Technical Visit

FOR FURTHER INFORMATION, CONTACT:

Gugu Charlie,
Conferences and events
co-ordinator

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