The world's dependency on metals has become more evident with the growing demand for metals required to drive advancements in the technological and digital landscape and, the energy transition for a carbon neutral future. This growing demand however, implies that the metal extraction industry will need to play a significant role in providing the world with vast quantities of metals crucial in the building of the necessary infrastructure.

Furthermore, energy and water are two critical inputs in the hydrometallurgical process flowsheets and their increasing shortage suggests the need for the development of processes that take such challenges into consideration. A circular hydrometallurgy approach focusing on innovative research and developments around energy and resource efficient processes based on closing materials and resources loops can therefore, play an important role if the metal extraction sector is to meet the current and future global metal demands. In addition, advancements in the field of artificial intelligence can also allow for the use of innovative tools such as machine learning to better understand, predict and optimise hydrometallurgical processes in a smarter and sustainable manner.

The SAIMM Hydrometallurgy conference, 2024, will bring together internationally and locally recognized scientists and engineers from mining and metal producing companies, project design and implementation entities, equipment and reagent suppliers, research and academic institutions to discuss and share innovative technologies that can assist the global world in meeting the current and future metal demands.
CONFERENCE TOPICS
All papers on general topics in hydrometallurgy are welcome but we particularly encourage contributions in the areas of

- Emerging research and developments in hydrometallurgy
- Hydrometallurgical processing of critical and battery metals
- Circularity in hydrometallurgy
- New developments in equipment and reagents
- Data analytics, machine learning and use of AI in hydrometallurgy

WHO SHOULD ATTEND
The conference will be of value to:

- Hydrometallurgical plant managers and metallurgists
- Equipment and reagent suppliers to the hydrometallurgical industry
- Hydrometallurgical technology development companies
- Mining industry consultants
- Research and academic personnel

CALL FOR PAPERS/PRESENTATIONS
Prospective authors may choose to submit papers or presentations only.

In person presentations will be preferred, although virtual presentations may be streamed live or pre-recorded.

Prospective authors are invited to submit titles and abstracts of their papers and/or presentations in English.

- Authors must note whether they wish to submit a peer reviewed paper or a standalone presentation.
- Authors must note whether they plan to attend in person or whether they would deliver a live-streamed or recorded virtual presentation.

- Abstracts should be no longer than 500 words and should be submitted to: Camielah Jardine, Head of Conferencing, E-mail: camielah@saimm.co.za

The complete Proceedings volume will be made available on the internet for public access after the conference.

STUDENT POSTER COMPETITION
The conference will include a student poster session where students will be given an opportunity to prepare a poster and a 5 minute presentation on their research projects. Students are requested to indicate during the submission that their abstract is for the student poster session. The best student poster will be offered an award.

KEY DATES
- Abstract Submission: 19 February 2024
- Abstract Acceptance: 18 March 2024
- Paper Submission 27 May 2024

FOR FURTHER INFORMATION, CONTACT:
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