

CONFERENCE

MINTEK, RANDBURG, SOUTH AFRICA



SAIMM
THE SOUTHERN AFRICAN INSTITUTE
OF MINING AND METALLURGY

28-29 JUNE 2021 — CONFERENCE
30 JUNE 2021 — TECHNICAL VISIT

RENEWABLE SOLUTIONS FOR AN ENERGY INTENSIVE INDUSTRY

PRÉMA



This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 820561



The is SAIMM proud to host the Conference on Renewable Solutions for an Energy Intensive Industry in Randburg, South Africa, as well as online, from 28-30 June 2021. This conference provides an opportunity for interested parties to present their ideas on the future of energy-intensive industries in the light of increased pressure to reduce greenhouse gas emissions, and against a background of rising electricity costs in South Africa. Discussions are invited on the renewable technologies available, their practical application, and the challenges of implementing these solutions in mining, extractive metallurgy, and metal production to address environmental concerns while maintaining profitability.

Objective

To provide an opportunity for energy-intensive industries to engage with companies and researchers in the renewable energy field and *vice versa*. To inform on the state of technology development and promote the adoption of renewable energy solutions in more sustainable, profitable processes. Renewables are seen as including renewable electricity, renewable process heat, and secondary processing (recycling) technologies.

The conference will be co-located with the second PRÉMA workshop. The workshop theme is 'Building Partnerships in Renewable Projects' and will include presentations on global renewable projects. The workshop then call for suggestions on partnership models for renewable projects in Southern Africa, applicable to local constraints, and conclude with an update on progress and results of the PRÉMA project to external stakeholders. The PRÉMA project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement no. 820561 to investigate solar thermal preheating technology in manganese ferroalloy production in order to reduce greenhouse gas emissions and electricity consumption. Come and find out about these and other renewable solutions at the Conference.

Who should attend

The Conference is aimed at delegates from operating mines, smelters, kilns, and other minerals processing facilities requiring heating, cooling, or electricity, as well as academics, researchers, and companies providing renewable solutions, including:

- First line, middle, and senior management
- First line, middle, and senior management
- Plant/production engineers
- Process/development engineers
- Design engineers
- Environmental and sustainability specialists
- Renewable technology providers
- Academics and researchers.

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CALL FOR PAPERS

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Technical topics include

- Renewable solutions planning, implementation, and results (Renewables in Action)
- Barriers to renewable solutions and actions needed to overcome them
- Impact of renewable solutions on social, economic, and sustainability goals
- Innovative renewable solutions for now and the future
- Implications of the carbon tax for energy-intensive industries.

KEY DATES

28 February 2021	Submission of abstracts
5 March 2021	Acceptance of abstracts
5 April 2021	Submission of final papers
28–30 June 2021	Conference

FORMAT OF THE EVENT

At this point in time the event is planned as a hybrid conference with international participation opportunities for delegates and speakers. It is also planned to hold technical visits to nearby facilities if possible. However, as we are still in lockdown as a result of COVID-19, this will be constantly reviewed, and if it appears that the effects of the pandemic are still such as to pose a threat to the health and safety of delegates, this will be changed to a digital event.

Please continue to submit your abstracts and check in here regularly for updates.

CALL FOR PAPERS

The conference is being organized by the Southern African Institute of Mining and Metallurgy and papers (length 2 to 10 pages) are invited. Prospective authors are invited to submit titles and abstracts of their papers in English. Please advise on your submission if you will be presenting in person or virtually. Virtual presentations will be streamed live or pre-recorded.

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

The Southern African Institute of Mining and Metallurgy
RENEWABLE SOLUTIONS FOR AN ENERGY INTENSIVE INDUSTRY CONFERENCE

Abstracts should be no longer than 500 words and should be submitted to:

Camielah Jardine Head of Conferencing:

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Telephonic enquiries may be made at

Facsimile +27 11 838-5923 or E-mail: camielah@saimm.co.za

I am interested in attending the Renewable Solutions for an Energy Intensive Industry Conference

I am interested in taking a sponsorship package

I intend to submit an abstract of a proposed paper

I am interested in attending a Technical Visit

Title of paper:

Personal Details:

Name

Company Designation:

Country

Tel:

E.mail: