

2025 Eskom Power Generation Technologies Conference

19 - 20 November 2025

Guidelines for Abstract Submission:

As Eskom traverses the energy transitions, it faces both challenges and opportunities in balancing energy security, energy equity and environmental responsibility. Through this conference, we aim to present innovative insights, and showcase best practices, lessons learned, and initiate vigorous discussions on Power Plant Asset Management, Digitalization, Sustainability, System Dynamics and Clean Energy Technologies in the Energy Sector.

Topics for submission

Submissions from all engineering disciplines, should highlight innovative methods, research studies, and real-world applications from a variety of Energy Sectors which does not only draw attention to challenges but also concentrate on feasible solutions and applications.

In order to promote a sustainable, ethical and equitable future, submissions must advance the participants' knowledge of the practical implementation of strategies and approaches in the Energy Sector. The submissions must conclusively provide concrete evidence of utilization, offering opportunities for education and collaboration within the organization.

We encourage submissions that look at, but are not limited to the following topics:

Power Plant Asset Management:

- Technical Management
- Maintenance and Repair
- Risk Management
- Predictive Maintenance
- Data Management
- Lifecycle Management
- Retrofitting and Renovation
- Optimization

Digitalisation:

- How does digitalization work
- Benefits of digitalization in the energy sector
- Available digital technologies valuable to the energy sector
- Smart Grids and Grid Management
- Renewable Energy Integration
- Efficiency and Optimization
- Digitalization of Energy Supply Chains
- Challenges and Considerations

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Sustainability:

- Renewable Energy Transition
- Energy Efficiency
- Energy Security
- Environmental Sustainability and Social Equity
- Economic Development
- Examples of Sustainable Energy Initiatives

System Dynamics:

- Understanding Complex Interactions
- Renewable Energy Integration
- CO₂ Emission Reduction
- Energy Sector Development

Clean Energy Technologies:

- Renewable Energy Sources
- Energy Storage
- Emerging Technologies
- Benefits of Clean Energy Technologies and possible future challenges

Submitting your Abstract:

Submit your abstract to - **refer to the abstract template for detailed Abstract's General Formatting Guidelines:**

Eskom: MogaleMo@eskom.co.za (Morongwa Mogale)

Remember, the readability, overall quality and presentation of your technical work is in your hands. Please take care to prepare a high-quality manuscript that will be an excellent contribution to the Eskom 2025 Power Generation Technology Conference Proceedings.

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