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Damage assessment and predictive modelling of Jagersfontein TSF Disaster: A risk analysis

F. Cawood

The future of mining – becoming and insight driven organization

D. du Preez, *Deloitte, South Africa*

Application of project & operations management methodologies to real time information management system for efficiency in the mineral sector

T. Lehohla, *University of the Witwatersrand, South Africa*

Hybridized approach to measuring the maturity of real-time information management systems (RTIMS) for underground mines

M. Shimaponda-Nawa, *University of the Witwatersrand, South Africa*

Integrated execution and materials management

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Quality control in a digital world predictive information control analytics (PICA)

J. du Plessis, *Exxaro Grootegeeluk, South Africa*

Mandela mining precinct know more portal know more portal

D. Maree, *ESRI South Africa, South Africa*

The importance of robots in future mining scenarios with focus on suitable excavation tools

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Enhancing collaboration of systems through an Open Data Analytics Platform (ODAP)

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Adoption of Wireless Sensor Networks by South African Mines

T.V. Mwayi, *University of the Witwatersrand, South Africa*

Development of a digital twin based augmented reality application for remote assistance

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An integration platform for smart integrated mining

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How to evaluate the benefits of digital initiatives in the mining industry –the digital business case evaluation and benefits tracking tool

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Change management blueprint for the adoption of modern mining technologies

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Community social-needs assessment tool

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SMME communications and engagement tool

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Digital leadership competency assessment tool for SA mining operations

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Digital strategy - the role of digitalisation and data analytics

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Monitoring systems and sensors

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Digital strategy in the mining Industry: Driving efficiency, productivity, and competitiveness

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A machine learning model for equipment breakdowns and preventative maintenance in surface mines

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Vedanta is modernising safety and sustainability through digital transformation

U. Govender and N. Lawrence, *Vedanta, South Africa*

Enhancing condition monitoring of mining vehicles using physical models and transfer learning

L. van Eyk, *University of Pretoria, South Africa*

Enhancing asset performance, reliability, productivity and safety through digitalization and real-time asset health and performance monitoring

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Creating value and cost competitiveness through asset optimization and focused improvement

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