

Special Issue

Mine Planning and Sustainability

Message from the Guest Editor

Planning a mining operation is often based largely on key economic indicators, such as Net Present Value (NPV) and Internal Rate of Return (IRR). With an increasing public awareness and interest in sustainable practices, mining operations are increasingly forthcoming with their strategies in regards to environmental, social, safety and community outcomes. Maintaining best practice processes to ensure sustainability at all stages across a mine's life, from initial prospecting through to closure, requires careful planning. The importance of this will only grow as mining operations in general are faced with declining grades while having to operate at greater depth in more sensitive environments, with an expectation to reduce water, energy and the consumption of other resources. As such, sustainability aspects are ideally embedded and intergrated into the mine planning process from the very outset rather than being considered in isolation. This Special Issue endeavors to seek out and present the latest approaches to incorporate sustainability aspects into the mine planning process (both in the short term and long term).

Guest Editor

Dr. Micah Nehring
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