

1. Record Nr.	UNINA9910755082403321
Autore	Sinha A (Amalendu)
Titolo	Proceedings of the 10th Asian Mining Congress 2023 : Roadmap for Best Mining Practices vis-à-vis Global Transformation / / edited by Amalendu Sinha, Bhabesh Chandra Sarkar, Prabhat Kumar Mandal
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	9783031469664 3031469666
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (492 pages)
Collana	Springer Proceedings in Earth and Environmental Sciences, , 2524-3438
Altri autori (Persone)	SarkarBhabesh Chandra MandalPrabhat Kumar
Disciplina	550 910.02
Soggetti	Physical geography Geotechnical engineering Mining engineering Environmental monitoring Pollution Machine learning Earth System Sciences Geotechnical Engineering and Applied Earth Sciences Mining and Exploration Environmental Monitoring Machine Learning
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cutting Edge Exploration and Drilling Technologies -- Challenges in deep OpenCast, Highwall, Offshore and Placer Mining -- Transition from OpenCast to Underground mining -- Mass Production Technologies in deep underground mines -- Application of Artificial Intelligence, Machine Learning, Data Analytics in Mine Automation -- Advancement in Explosives and Blasting Techniques -- Extraction and utilisation of Critical Minerals and Rare Earth Elements -- Application of Information and Communication Technology (ICT) in Smart Mining --

Sommario/riassunto

Rising concern about climate change and strong societal expectations with increasing complexities of mineral deposits being mined, call for more innovative exploration and exploitation technologies with higher productivity and recovery including eco-friendly strategies and policies in place for long term sustainability of the mineral Industry. It is now ardently necessary to identify and define the best mining practices addressing societal needs. In view of these, The Mining, Geological and Metallurgical Institute of India (MGMI), established way back on 16th January 1906, and one of the oldest institutions of this kind in the world, is organizing the 10th Asian Mining Congress (AMC) during November 06-09, 2023 in Kolkata, India with the Theme, "Roadmap for Best Mining Practices vis-à-vis Global Transformation". The AMC and International Mining Exhibition (IME), held concurrently, are flagship international events organized by MGMI biennially since its centenary year. This series have provided ample opportunities to all stakeholders including practicing engineers, machinery manufacturers, planners, regulators, academicians, scientists and policy makers, for sharing their knowledge, experience and expertise and exhibit their products that can benefit the mining and mineral industries not only in the Asian region but also globally. This proceeding of 10th AMC contains the articles written by eminent persons and stalwarts in their respective domains. It is a collection of contemporary articles narrating recent advancements in mining sector.