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Descrizione fisica	1 online resource (XXXVIII, 1196 p. 677 illus., 300 illus. in color.)
Disciplina	550
Soggetti	Mineral resources Fossil fuels Industrial engineering Production engineering Economic geology Environmental monitoring Mineral Resources Fossil Fuels (incl. Carbon Capture) Industrial and Production Engineering Economic Geology Monitoring/Environmental Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Part 1: Resources of the Coal Industry and their features -- Technological Progress Having Impact on Coal Demand Growth -- New approaches to creation of low-temperature compositions for prevention of coal congealing -- Various potential uses of coal from Apsatsky coalfield -- Combined chemical-beneficiation processes of valuable components extraction from coal burning wastes -- Coal in the economy of Russia -- New type of noble metal mineralization in the graphite formation of the Khanka terrane, Russian Southeast -- Desulphurization of high-sulfur coking coal by microwave irradiation assisted with alkali solution -- Country report Mongolia -- Indonesia economic output and employment impact of low rank coal utilization: input output analysis -- From Mining to Refining - Contribution of

selective Mining to Value Chain optimisation -- Status of coal mining and coal preparation.

Sommario/riassunto

This book gathers technical and scientific articles by leading experts from 15 countries and originally presented at the world's most prestigious forum on coal preparation: the XVIII International Coal Preparation Congress. Topics addressed include: the mineral resources basis of the coal industry; problems and prospects of development in the coal industry; crushing, grinding, screening and classification processes used at sorting plants; coal processing and briquette factories; review of plant designs and operations used around the world; new developments in dense-medium separators, water-based separation processes, froth flotation and dewatering; technologies and equipment for the dry separation of coal; coal deep processing technologies and equipment; energy generation as an area of coal deep processing; and simulation and optimization software for separation processes. In general, the future of coal around the world is defined by its competitiveness. As the cheapest form of fuel (comparatively speaking), coal undoubtedly continues to be in high demand around the world.
