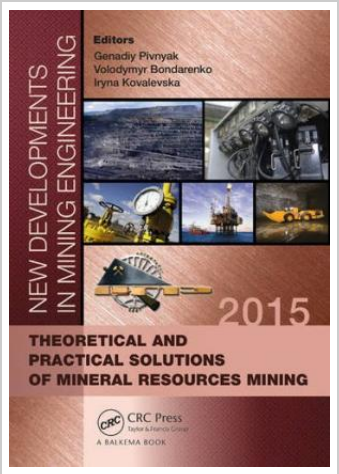

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New Developments in Mining Engineering 2015: Theoretical and Practical Solutions of Mineral Resources Mining

By Volodymyr Bondarenko, Iryna Kovalevs'ka, Genadiy Pivnyak

Taylor & Francis Ltd. Hardback. Book Condition: new. BRAND NEW, New Developments in Mining Engineering 2015: Theoretical and Practical Solutions of Mineral Resources Mining, Volodymyr Bondarenko, Iryna Kovalevs'ka, Genadiy Pivnyak, This annual series of books includes scientific papers on mining profiles. This volume presents multiple aspects of mining technology implementation in several aspects: extraction of coal, iron, manganese, uranium and other ores. Capturing and utilization of coalbed methane by various methods including alternative ones, safety measures in mining, ecological aspects, etc. Specific attention is paid to intensification of mineral resources extraction processes by way of modernizing opening methods, development and mining methods depending on mining-geological conditions. Experimental results of stress-strain state rock massif forecast by means of computational experiments using recursive methods are also discussed. Any mining operations should finally result in adequate recovery of land surface and utilization of mining wastes using various environmentally friendly methods, thus, sufficient attention is paid to this scientific trend. Non-traditional methods of minerals mining are becoming more topical and of higher demand in the modern society. Hence, several papers/chapters are devoted to underground coal gasification and its subsequent processes. In addition, extraction technologies of gas hydrate, as a source of an abundant amount...

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