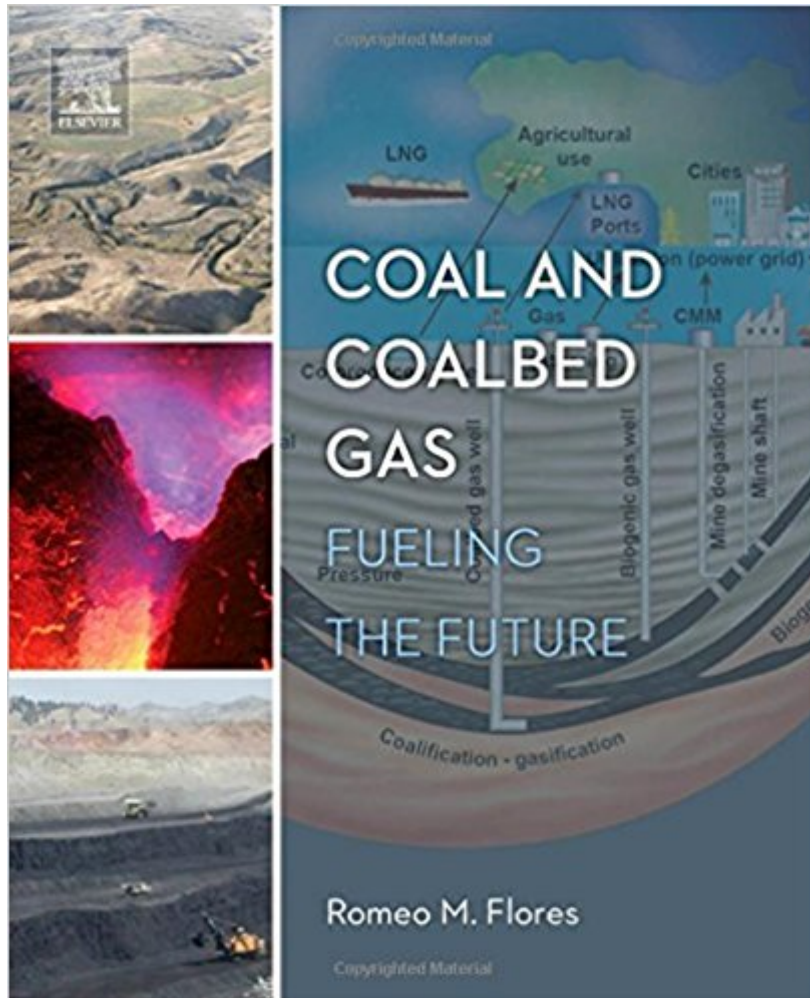




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Coal And Coalbed Gas: Fueling The Future



Synopsis

Bridging the gap in expertise between coal and coalbed gas, subfields in which opportunities for cross training have been nonexistent, Coal and Coalbed Gas sets the standard for publishing in these areas. This book treats coal and coalbed gas as mutually inclusive commodities in terms of their interrelated origin, accumulation, composition, distribution, generation, and development, providing a balanced understanding of this energy mix. Currently considered a non-renewable energy resource, coalbed gas, or coalbed methane, is a form of natural gas extracted from coal beds. In recent years, countries have begun to seek and exploit coal for its clean gas energy in an effort to alleviate environmental issues that come with coal use, making a book on this topic particularly timely. This volume takes into account processes of coalification, gasification, and storage and reservoir characterization and evaluation and looks at water management and environmental impacts as well. Covers environmental issues in the development of coalbed gas. Includes case studies, field guides and data, examples, and analytical procedures from previous studies and investigations. Accessible by a large multidisciplinary market by one of the world's foremost experts on the topic.

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Customer Reviews

"Flores presents this industrial guide to coal and coalbed gas, aiming to balance the availability of coal as a resource with associated environmental concerns. After introducing principles of coal

discovery and usage, the multipotency of coal as an energy source is discussed. Several chapters address the production of gas from coal, including necessary conditions and the chemistry and geology of coal maturity."--ProtoView.com, February 2014 "It's an amazingly broad book and covers the fundamentals of coal formation, its geology, utilization and, quite importantly, how coal acts as a reservoir for gas" For all the students and especially the engineers out there, I'd go further than saying it is an essential book to have, I'd have to insist that it is mandatory."--CipherCoal.com, November 21, 2013 "It is rare for a book to be so comprehensive on such a diverse topic such as coal. I'd recommend this for both the seasoned coal professional as well as the newly initiated." Dr. Tim A. Moore, Managing Director, Cipher Consulting Ltd, New Zealand "[Coal and Coalbed Gas] is a very much anticipated book in that it provides a complete, comprehensive review of coal from genesis to coalbed gas resource management, something that was lacking in single, publically available publications." Russell Stands-Over-Bull, PhD, Sr. Geologic Advisor, Anadarko Petroleum Corporation, USA "Romeo Flores is a world-leading expert on coal geology [T]here has not been an authoritative book on coalbed methane, until now." Dr. David B. Rutledge, California Institute of Technology, USA "Dr. Romey Flores is a world-class expert in coal geology, coalbed methane, and a pioneer in biogenic CBM. This is a must-read book for scientists, engineers, and managers involved in coal and CBM." Dr. Song Jin, President and CTO, Next Fuel Inc., USA "[Flores] has clearly explained the widespread application of the fundamentals of coal geology in the exploration of coalbed methane. A textbook of this kind that synthesizes various aspects of geology, geochemistry and reservoir properties of coal has been long overdue." Dr. Mohinudeen Faiz, Principal Geologist, Origin Energy, Australia "[This book] presents a well-balanced, up-to-date discussion of both disciplines [coal geology and coalbed gas] in terms of the science and technology, including recent experiments to generate biogenic gas from microbial activity." Dr. Frank G. Etheridge, Professor Emeritus, Colorado State University, USA

Coal and Coalbed Gas: Fueling the Future is one of the only books to address combined coal and coalbed gas, its environmental impacts, and its role in our future energy. This book sets the standard by bridging the gap in expertise between coal and coalbed gas, in which opportunities for cross-training have been nonexistent. This book treats coal and coalbed gas as mutually inclusive commodities in terms of their interrelated origin, accumulation, composition, distribution, generation,

and development, providing a balanced understanding of this energy mix. This book is particularly timely as developing countries have begun to exploit coal for its clean gas energy in an effort to alleviate environmental issues that come with coal use. Coal and Coalbed Gas takes into account the processes of peatification, coalification, gasification, and storage and reservoir characterization and evaluation and looks at water management and environmental impacts as well. The book insightfully assesses the potential of biogenic coalbed gas as a viable energy of the future. Key Features: International relevance in anticipation of short- and long-term use of coal and coalbed gas Covers environmental issues in the development of coal and coalbed gas Includes case studies, field guides and data, examples, and analytical procedures from previous studies and investigations Accessible to a large multidisciplinary market

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