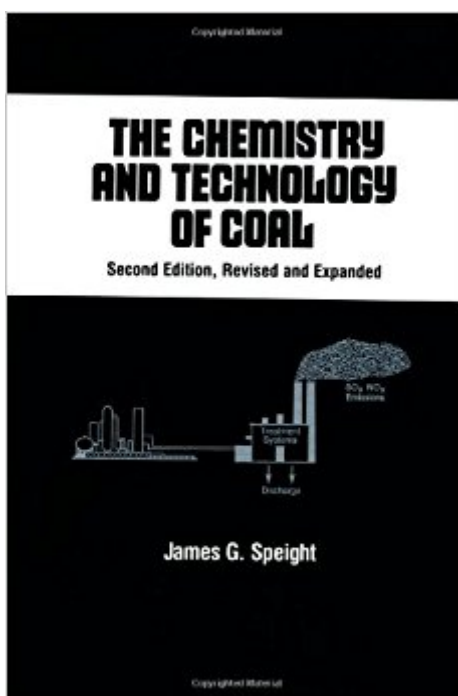


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The Chemistry And Technology Of Coal, Second Edition, (Chemical Industries)



Synopsis

Thoroughly rewritten and updated to reflect the latest advances in technology and highlighting the environmental aspects now being emphasized within the coal industry, this Second Edition of a highly acclaimed reference/text provides a comprehensive overview of coal science—covering topics ranging from the origins of coal to mining and contemporary uses. Maintaining and enhancing the clarity of presentation that made the first edition so popular, *The Chemistry and Technology of Coal, Second Edition*:
Considers the implications of the Clean Air Act
Examines the effects of combustion products on the atmosphere
Details practical elements of coal evaluation procedures
Clarifies misconceptions concerning the organic structure of coal
Discusses the physical, thermal, electrical, and mechanical properties of coal
Analyzes the development and current status of combustion and gasification techniques

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Customer Reviews

Dr. James G. Speight is a senior fuel and environmental consultant with more than 45 years of experience in thermal/process chemistry, thermodynamics, refining of petroleum, heavy oil, and tar sand bitumen, and physics of crude with emphasis on distillation, visbreaking, coking units, and oil-rock or oil catalyst interactions. He earned B.Sc. and Ph.D. degrees from the University of Manchester, England. He is the author of more than 45 books in petroleum science, petroleum engineering, and environmental sciences and has considerable expertise in evaluating new

technologies for patentability and commercial application. Although his career was focused predominantly in the commercial world, Dr. Speight has served as Adjunct Professor in the Department of Chemical and Fuels Engineering at the University of Utah and in the Departments of Chemistry and Chemical and Petroleum Engineering at the University of Wyoming. In addition he was a Visiting Professor in Chemical Engineering at the following universities: the University of Missouri-Columbia, the Technical University of Denmark, and the University of Trinidad and Tobago. He is recognized internationally as an expert in the characterization, properties, and processing of conventional and synthetic fuels and as a chemist with more than Speight is currently Editor-in-Chief for the Journal of Petroleum Science and Technology (Taylor & Francis Publishers), Energy Sources-Part A: Recovery, Utilization, and Environmental Effects (Taylor & Francis Publishers), Energy Sources-Part B: Economics, Planning, and Policy (Taylor & Francis Publishers), and Journal of Sustainable Energy Engineering (Scrivener publishing). As a result of his work, he was awarded the Diploma of Honor, National Petroleum Engineering Society, for outstanding contributions to the petroleum industry in 1995 and the Gold Medal of Russian Academy of Sciences (Natural) for outstanding work in the area of petroleum science in 1996. He has also received the Specialist Invitation Program Speakers Award from NEDO (New Energy Development Organization, Government of Japan) in 1987 and again in 1996 for his contributions to coal research. In 2001, he was also awarded the Einstein Medal of the Russian Academy of Sciences in recognition of outstanding contributions and service in the field of geologic sciences. In 2005 he has been awarded the Gold Medal-Scientists without Frontiers, Russian Academy of Sciences in recognition of continuous encouragement of scientists to work together across international borders. More recently (2012) he was awarded a Doctorate in Petroleum Engineering from Dubna University (Moscow, Russia) for his outstanding contributions in the field of petroleum engineering. --This text refers to the Paperback edition.

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