

Miall ■ The Geology of Stratigraphic Sequences

This book provides a unique survey of the worldwide database of sequence stratigraphy, reviews the methods for describing sequences and assessing causes of sequence generation, and provides an in-depth analysis of the mechanism of sequence development. The book reviews the present status of global cycle correlation and the hypothesis of global eustasy, and examines the applications of sequence stratigraphy to studies in practical petroleum geology. Students, lecturers, researchers, and practitioners are provided with a critical, but balanced, appraisal of modern concepts in this rapidly developing and controversial area. Ideas and concepts originating from a wide range of individuals and "schools" of thought are discussed and evaluated. A very extensive bibliography is included.



Andrew Miall was born in Brighton, England, and was educated there, obtaining a B. Sc. degree at the University of London in 1965. He then emigrated to Canada, and completed his Ph. D. at the University of Ottawa in 1969. He worked in and around the petroleum industry in Calgary for the next 10 years, including a 7-year term as a Research Scientist with the Geological Survey of Canada, working on regional basin studies in the Canadian Arctic Islands. While in Calgary he conceived and chaired the First International Symposium on Fluvial Sedimentology in 1977, an event that is now held every 4 years. Andrew Miall moved to the University of Toronto in 1979, where he is now Professor of Geology. His research in the areas of fluvial sedimentology and sequence stratigraphy is widely used, and he has held distinguished lectureships or fellowships in Canada, the United States, Britain, Poland, South Africa, China, Japan, and Australia. The second edition of his book "Principles of Sedimentary Basin Analysis" was published by Springer in 1990. He was awarded a D.Sc. degree by the University of London in 1992, and was elected a Fellow of the Royal Society of Canada in 1995.

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