

Carbonate Sedimentology And Sequence Stratigraphy Concepts In Sedimentology Paleontology 8

Siliciclastic Sequence Stratigraphy
Stratigraphy: A Modern Synthesis
Symposium on Concepts of Stratigraphic Classification and Correlation
Sequence Stratigraphy in Offshore South African Divergent Basins
An Analysis of the Time Concept in Stratigraphic Geology
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Proceedings of Indonesian Association of Geologists: Developments in stratigraphy and sedimentology
Principles of Sequence Stratigraphy
Sequence stratigraphy of the Jurassic–Lowermost Cretaceous (Hettangian-Berriasian) of the North Sea region
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Stratigraphy, an Interdisciplinary Symposium
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Advances in Fluvial Dynamics and Stratigraphy
Siliciclastic Sequence Stratigraphy in Well Logs, Cores, and Outcrops
Facies Analysis and Physical Stratigraphy of the Ilerdian in the Eastern Tremp-Graus Basin (south-central Pyrenees, Spain)
Sequence Stratigraphy, Paleoclimate, and Tectonics of Coal-bearing Strata
Sequence Stratigraphy and Characterization of Carbonate Reservoirs
Henry W. Posamentier Andrew D. Miall Leonard Franklin Brown Frederick Harrison Binford Wolfgang Schlager
Ikatan Ahli Geologi Indonesia. Pertemuan Ilmiah Octavian Catuneanu P. Copestake Paul Weimer Norsk petroleumforening. Conference J. E. Lowden S. G. H. Daniels Sam Boggs Paul A. Carling J. C. Van Wagoner Alexander Conrad Waehry Jack C. Pashin Charles Kerans
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sequence stratigraphy has experienced a virtual explosion of applications in recent years during that time the concepts upon which sequence stratigraphy is based have been evolving to conform to new observations as well as new types of data this volume summarizes the current status of this discipline as it applies to siliciclastic deposits the emphasis in this volume is on sequence stratigraphy as an approach to geological analysis rather than as a model to which all data sets must conform the expression of sequence architecture and the nature of bounding surfaces is illustrated through examples and applications drawn from a range of data types including outcrop core wireline log and 3 d seismic data in addition sequence expression also is illustrated using examples of modern

landforms

the updated textbook is intended to serve as an advanced and detailed treatment of the evolution of the subject of stratigraphy from its disparate beginnings as separate studies of sedimentology lithostratigraphy chronostratigraphy etc into a modern integrated discipline in which all components are necessary there is a historical introduction which now includes information about the timeline of the evolution of the components of modern stratigraphy the elements of the various components facies analysis sequence stratigraphy mapping methods chronostratigraphic methods etc are outlined and a chapter discussing the modern synthesis is included near the end of the book which closes with a discussion of future research trends in the study of time as preserved in the stratigraphic record

this volume is the result of an offshore exploration and drilling programme by soekor pty ltd in the republic of south africa beginning in 1987 seismic stratigraphic data and borehole information were incorporated and released in what was one of the first detailed and comprehensive published examples of the new field of sequence stratigraphy the project was conducted over a south african offshore area of 175 000 square kilometres in the pletmos bredasdorp and orange basins which are examples of divergent basins associated with the breakup of gondwana

sedimentology and stratigraphy are neighbors yet distinctly separate entities within the earth sciences sedimentology searches for the common traits of sedimentary rocks regardless of age as it reconstructs environments and processes of deposition and erosion from the sediment record stratigraphy by contrast concentrates on changes with time on measuring time and correlating coeval events sequence stratigraphy straddles the boundary between the two fields this book dedicated to carbonate rocks approaches sequence stratigraphy from its sedimentologic background this book attempts to communicate by combining different specialities and different lines of reasoning and by searching for principles underlying the bewildering diversity of carbonate rocks it provides enough general background in introductory chapters and appendices to be easily digestible for sedimentologists and stratigraphers as well as earth scientists at large

principles of sequence stratigraphy provides an in depth coverage and impartial assessment of all current ideas and models in the field of sequence stratigraphy this textbook thoroughly develops fundamental concepts of sequence stratigraphy that links base level changes to sedimentary deposits it examines differing approaches to how the sequence stratigraphic method can be applied to the rock record and reviews practical applications such as how petroleum geologists can target where to drill for oil the book s balanced approach helps students acquire a common terminology and conceptual understanding that will be helpful later in their academic and professional careers whether they pursue jobs as geologists geophysicists or reservoir engineers this textbook offers theoretical guidelines of how the facies and time relationships are expected to be under specific circumstances such as subsidence patterns sediment supply topographic gradients etc it goes beyond the standard treatment of sequence stratigraphy by focusing on a more user friendly and flexible method of analysis of the sedimentary rock record than other current methods the text is richly illustrated with dozens of full color photographs and original illustrations of outcrop core well log and 3d seismic data there is a dedicated chapter on discussions and conclusions along with an instructor site containing images from the book principles of sequence stratigraphy will appeal to researchers and professionals as well as upper graduate and graduate students in stratigraphy sedimentology petroleum geology and engineering economic geology coal geology seismic exploration precambrian geology and mining geology and engineering offers theoretical guidelines of how the facies and time relationships are expected to be under specific circumstances such as subsidence patterns sediment supply topographic gradients etc contains numerous high quality and full color diagrams photographs and illustrations virtually on every aid in comprehension of the subject features a dedicated chapter on discussions and conclusions incorporating all previous chapters with references basic principles and strategies provides an extensive list of references for further reading as well as an author and subject index for quick information access

sequence stratigraphy has become a powerful tool in the basin analysis of the north sea basin and will

continue to play an important role in the maximization of the remaining hydrocarbon potential of the region whilst also supporting the energy transition in carbon capture and storage projects with jurassic storage units this memoir provides a long awaited comprehensive documentation of jurassic to lowermost cretaceous sequence stratigraphy of the region uk norway denmark and adjacent areas the volume is amply illustrated by numerous well log displays core images seismic lines chronostratigraphic diagrams and outcrop photographs individual chapters discuss the historical usage of sequence stratigraphy in the north sea jurassic sequence stratigraphic concepts and models application in hydrocarbon field development definition of stratigraphic traps well sequence interpretation methodology and controls on sequence development to complete the volume there are further chapters on north sea jurassic lithostratigraphy and its relation to sequence stratigraphy and descriptions of the biozones used to characterize and correlate the sequences

this memoir grew out of the 2 1 2 day symposium variations in depositional systems within a sequence stratigraphic framework applications to exploration that we organized at the 1991 aapg annual meeting in dallas texas preface

hardbound sequence stratigraphy presently one of the most rapidly growing areas in geology is concerned with the documentation and prediction of how sandstones potential hydrocarbon reservoirs and shales potential source rocks are distributed in time and space within sedimentary basins the book takes a critical look at some of the sequence stratigraphy concepts and provides an account of how these have been applied recently in nw europe north sea mid norway and e greenland barents sea and svalbard mainly in connection with the exploration for oil and gas there is currently no similar book available

a concise treatment of the fundamental principles of sedimentology and stratigraphy featuring the important physical chemical biological and stratigraphic characteristics of sedimentary rocks emphasized are the ways in which the study of sedimentary rocks is used to interpret depositional environments changes in ancient sea level and other intriguing aspects of earth history topics include the origin and transport of sedimentary materials physical properties of sedimentary rocks composition classification and diagenesis of sedimentary rocks and principles of stratigraphy and basin analysis for individuals interested in one text providing comprehensive coverage of both sedimentology and stratigraphy

a final chapter provides a brief view of future perspectives

les résultats de cette étude trouvent leur application dans la modélisation paléoclimatologique et la prospection ou la protection des ressources naturelles

reservoir management is an important topic in the oil industry today conferences forums short courses and technical papers written and attended by engineers geologists geophysicists petrophysicists and managers discuss various aspects of reservoir management a critical component of reservoir management is the accurate characterization of the hydrocarbon asset called reservoir characterization the topic of this course is the process of sequence stratigraphic interpretation and characterization of carbonate reservoirs because of the overwhelming mass of information most reservoir geoscientists keep up with either some aspects of sequence stratigraphy or some aspects of reservoir characterization but typically not both the authors believe that the two disciplines are so intimately related that the sequence framework should be considered a critical piece of the integrated puzzle

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