

C A Davis Jr Springer

Tidal deposits have been a specific research topic for about 40 years, and whilst this has resulted in a proliferation of papers in scientific journals, there have only been a few book-length syntheses. Over the years, tidal sedimentology has been reinforced by fluid mechanics and numerical modelling but has remained rooted in facies and stratigraphic studies. Recent developments in tidal sedimentology lean toward a more quantitative assessment of the imprint of tides in the facies record of intertidal and shallow subtidal areas. They highlight the increasing relevance of tidal deposits studies, from high resolution subsurface reservoir geology to climate change and sea-level rise. This volume gathers 17 contributions to the Tidalites 2012 congress held in Caen, France. It reflects current advances in the sedimentology and stratigraphy of tidal deposits, in both ancient and modern environments. It shows the current diversity of this field of research, through a wide spectrum of methods including remote sensing, in-situ hydrodynamical measurements, and ichnology, in addition to classic field studies and petrography.

This book presents a set of selected and edited papers presented at the 2nd and 3rd Design and Decision Support Conference. The purpose is to provide examples of innovative research in decision support systems in urban planning from throughout the world.

"The definitive guide to a technology that succeeds or fails depending upon our ability to accommodate societal context and structures. This handbook is lucid, integrative, comprehensive and, above all, prescient in its interpretation of GIS implementation as a societal process." - Paul Longley, University College London "This is truly a handbook - a book you will want to keep on hand for frequent reference and to which GIS professors should direct students entering our field... Selection of a few of the chapters for individual attention is difficult because each one contributes meaningfully to the overall message of this volume. An important collection of articles that will set the tone for the next two decades of discourse and research about GIS and society." - Journal of Geographical Analysis Over the past twenty years research on the evolving relationship between GIS and Society has been expanding into a wide variety of topical areas, becoming in the process an increasingly challenging and multifaceted endeavour. The SAGE Handbook of GIS and Society is a retrospective and prospective overview of GIS and Society research that provides an expansive and critical assessment of work in that field. Emphasizing the theoretical, methodological and substantive diversity within GIS and Society research, the book highlights the distinctiveness and intellectual coherence of the subject as a field of study, while also examining its resonances with and between key themes, and among disciplines ranging from geography and computer science to sociology, anthropology, and the health and environmental sciences. Comprising 27 chapters, often with an international focus, the book is organized into six sections: Foundations of Geographic Information and Society Geographical Information and Modern Life Alternative Representations of Geographic Information and Society Organizations and Institutions Participation and Community Issues Value, Fairness, and Privacy Aimed at academics, researchers, postgraduates, and GIS practitioners, this Handbook will be the basic reference for any inquiry applying GIS to societal issues.

Sandstone Depositional Environments

Corrosion Chemistry

Literature Review on the Geologic Aspects of Inner Shelf Cross-shore Sediment Transport

The Global Coastal Ocean - Processes and Methods

Lessons from the Field

Technical Report CERC

This book presents a comprehensive, contemporary review of tidal environments and deposits. Individual chapters, each written by world-class experts, cover the full spectrum of coastal, shallow-marine and even deep-marine settings where tidal action influences or controls sediment movement and deposition. Both siliciclastic and carbonate deposits are covered. Various chapters examine the different systems. Several chapters explore the occurrence of tidal deposits in the stratigraphic context of entire sedimentary basins. This book is essential reading for both coastal geologists and managers, and geologists interested in extracting hydrocarbons from complex tidal successions.

Geography is a wide-ranging discipline and the number of information sources available is truly enormous. These include printed books and journal articles, maps, satellite photographs, archives, statistical information, and much else. One particular problem facing geographers is that when one studies a foreign country, information may be available only in the foreign country and difficult to obtain. Paralic reservoirs reflect a range of depositional environments including deltas, shoreline-shelf systems and estuaries. They provide the backbone of production in many mature basins, and contribute significantly to global conventional hydrocarbon production. However, the range of environments, together with relative sea-level and sediment supply changes, result in significant variability in their characteristics. This volume translates into complex patterns of reservoir distribution and production that are challenging to predict, optimize and manage. This volume presents new research and developments in established approaches to the exploration and production of paralic reservoirs. The 13 papers in the volume are grouped into three thematic sections, which address: the sedimentological characterization of paralic reservoirs; the distribution of paralic reservoirs; and the evolution of paralic reservoirs.

Board Review in Preventive Medicine and Public Health

Biographical Dictionaries Master Index

25th International Symposium, GD 2017, Boston, MA, USA, September 25-27, 2017, Revised Selected Papers

Recent Advances

An Introduction to the Physical, Ecological, and Cultural Systems of Coastlines

1975-1976

Barrier islands represent a complex coastal system that includes a number of different sedimentary depositional environments; nearshore zone, beach, dunes, washover fans, marshes, tidal flats, estuaries, lagoons, and tidal inlets. The morphodynamics of these fragile coastal systems provide a further complication to this coastal type. Although barrier islands comprise only 15% of the world's coastline, they have received a far greater proportion of attention from the scientific and engineering community, and more recently, from coastal managers and environmentalists. Modern barrier islands are arguably the most expensive and most vulnerable of all coastal environments. Pressure from developers for residential, industrial, and recreational development has caused most of our barriers to become significantly impacted by human activity, especially over the past few decades. These pres sures have led to extensive preservation of natural barriers through efforts from all levels of government and also by private organizations. Governments have also formed coastal management programs that help to control any future de velopment with the intent being to keep human activity compatible with barrier island morphodynamics. In order to devise appropriate coastal zone management programs, it is necessary to have a comprehensive understanding of the morpho dynamics of barrier island systems. This volume provides comprehensive details on barrier island morphology, sediment distribution, and the process-response mechanisms that cause changes to both. These are the important aspects of barrier systems that can provide important input into the development and implementation of coastal management programs.

This book gives an introduction to the highly interdisciplinary field of biomaterials. It concisely summarizes properties, synthesis and modification of materials such as metals, ceramics, polymers or composites. Characterization, in vitro and in vivo testing as well as a selection of various applications are also part of this inevitable guide.

Transactions in land and other real property differ between countries throughout Europe. The transaction procedures reflect formal rules, but they are also normalized through conventions and professional codes of conduct. This complex of technical, legal and economic issues was investigated from the point of view of transaction economics through an ESF-COST supported Action G9 'Modeling Real Property Transactions'. The research was performed between 2001 and 2005 by researchers mainly from university departments related to land surveying, real estate management, geo-information sciences and knowledge engineering. This book represents the final outcome of that study. A modeling approach was elaborated and tested on a number of countries (especially Sweden and Slovenia, for which the models are shown in this book in the Unified Modeling Language (UML)). The modeling approach leads to transparency and allows comparison. Nevertheless, the influence of the national and social contexts, and the different perspectives that can be taken, prevent a simple ranking of the studied procedures. For those planning or comparing transaction procedures or parts thereof, the book supplies a tested approach and methodology. But the book eventually warns of simplification in this field full of complex national institutional arrangements.

Contributions to Modern and Ancient Tidal Sedimentology

Proceedings of the Tidalites 2012 Conference

Muddy Coasts of the World

Advances in Geoinformatics

U.S. Physician Reference Listing

Encyclopedia of Coastal Science

Corrosion Chemistry details the scientific background of the corrosion process and contemporary applications for dealingwith corrosion for engineers and scientists, covering the mostrecent breakthroughs and trends. Corrosion is in essence a chemical process, and it is crucial tounderstand the dynamics from a chemical perspective beforeproceeding with analyses, designs and solutions from an engineeringaspect. This book can be used both as a textbook and a referencebook both by academics and engineers and scientists in thefield. As a reference for the engineer in the field, it is both arefresher for the veteran on the causes of corrosion and themethods, processes, and technologies to deal with it, over avariety of industries. It is the most up-to-date, comprehensivetreatment of corrosion available, covering the most cutting-edgenew processes and theories. For the freshman engineer just enteringthe field, it is a tremendous introduction to corrosion. As a textbook, it can be used for a single semester technicalelective course in undergraduate and postgraduate education fordisciplines such as chemistry, chemical engineering, petroleumengineering, civil engineering, material engineering, mechanicalengineering, metallurgical engineering, mining engineering,agricultural engineering, and other related technical fields. The series is an essential reference text for research workers and students in all fields of marine science and related subjects. An ever increasing interest in oceanography and environmental issues makes it especially relevant.

Fluvial-Tidal Sedimentology provides information on the ‘Tidal-Fluvial Transition’, the transition zone between river and tidal environments, and includes contributions that address some of the most fundamental research questions, including how the morphology of the tidal-fluvial transition zone evolves over short (days) and long (decadal) time periods and for different tidal and fluvial regimes, the structure of the river flow as it varies in its magnitude over tidal currents and how this changes at the mixing interface between fresh and saline water and at the turbidity maximum, the role of suspended sediment in controlling bathymetric change and bar growth and the role of fine-grained sediment (muds and flocs), whether it is possible to differentiate between ‘fluvial’ and ‘tidally’ influenced bedforms as preserved in bars and within the adjacent floodplain and what are the diagnostic sedimentary facies of tidal-fluvial deposits and how are these different from ‘pure’ fluvial and tidal deposits, amongst other topics. The book presents the latest research on the processes and deposits of the tidal-fluvial transition, documenting recent major field programs that have quantified the flow, sediment transport, and bed morphology in tidal-fluvial zones. It uses description of contemporary environments and ancient outcrop analogues to characterize the facies change through the tidal-fluvial transition. Presents the latest outcomes from recent, large, integrated field programs in estuaries around the world Gives detailed field descriptions (outcrop, borehole, core, contemporary sediments) of tidal-fluvial deposits Accesses new models and validation datasets for estuarine processes and deposits Presents descriptions of contemporary environments and ancient outcrop analogues to characterize the facies change through the tidal-fluvial transition

What Students and Parents Need to Know About Getting into College

Materials for Medical Application

Evolutionary Biology

The Golden Book of California

Coastal Environments

The SCOR (Scientific Committee on Ocean Research of ICSU) Working Group 106 was tasked with reviewing the geomorphic, sedimentary and oceanographic dynamics of muddy costs, assessing the impact of sea level rise on muddy coasts, especially in estuaries, and to recommend future research pathways relating to muddy coasts. This book addresses these questions and includes chapters on the research issues of muddy coasts, the definition of muddy coasts, sea level rise effects on muddy coasts, fundamental dynamic processes effecting muddy coast formation, the role of mangrove and salt marsh vegetation, bio-geochemistry of muddy coast deposits, storm surge effects on muddy coasts, human impacts on muddy coasts, and a detailed geographical review of muddy coasts of the world. The volume presents examples of muddy coasts sedimentation from many different environments of the world including the broad expanse muddy coast of China, muddy coasts of continental trailing edges (the Americas), muddy coasts in seasonally ice covered environments, muddy coasts in areas of tropical coral reefs, muddy coasts from the tropics, muddy coasts resulting from large river discharges, and muddy coasts of mid-latitude oceanic islands.

This is the first book to be entirely devoted to the geomorphology and sedimentology of estuaries. The chapters in the book are structured according to the morphogenetic classification which is based on a new definition of estuaries and covers all areas within this field. The material is presented in such a way that it serves both as a reference for the researcher and as a textbook for use on courses covering estuaries, coastal environments, sedimentology and oceanography. Internationally renowned specialists have provided in-depth descriptions of the geomorphology, sedimentology and interactive processes associated with each particular subject.

A guide to more than 725,000 listings in over 50 current Who’s whos and other works of collective biography.

VIII Brazilian Symposium on Geoinformatics, GEOINFO 2006, Campos do Jordão (SP), Brazil, November 19-22, 2006

The SAGE Handbook of GIS and Society

Admission Matters

Impacts of Water Diversion on Biotic Communities of a River in a Dune Watershed

Oceanography And Marine Biology

Real Property Transactions. Procedures, Transaction Costs and Models

This original volume draws on the author's own research experiences in Ireland, Britain, France, Canada, and the United States to present a guide of coastal environments for applications of shoreline and environmental management. Topics include: long-term development of coasts, water supply and waste disposal, energy resources and coastal water management, coastal water management for recreation, coastal management of storm hazards, and managing world sea-level rise.

Integration of ichnological information into sedimentological models, and vice versa, is one of the main means by which we can improve our understanding of ancient depositional environments. Mainly intended for sedimentologists, this book aims to make ichnological methods as part of facies interpretation more popular, providing an analytical review of the ichnology of all major depositional environments and the use of ichnology in biostratigraphic and sequence stratigraphic analysis. It starts with an introduction to the historical aspect of ichnology, introducing common concepts and methods, and then continues with parts treating the main depositional systems from continental, shallow-marine and deep-marine siliciclastics, and marine carbonates. The last part is dedicated to the ichnology in hydrocarbon reservoir and aquifer characterization. First overview in 25 years of the status of ichnological studies in facies reconstructions of all major depositional environments Written by a selected, well-experienced and specialized international authorship Provides easy access to the comprehensive and widespread literature

Admission MattersWhat Students and Parents Need to Know About Getting into CollegeJohn Wiley & Sons

The Tide-Dominated Han River Delta, Korea

Processes, Deposits, and Function

The Martindale-Hubbell Law Directory

A Field Guide to the Glacial and Postglacial Landscape of Southeastern Ontario and Part of Quebec

Geomorphology and Sedimentology of Estuaries

The Tenmile Country and Its Pioneer Families

The GeoInfo series of scientific conferences is an annual forum for exploring research, development and innovative applications in geographic information science and related areas. This book provides a privileged view of what is currently happening in the field of geoinformatics as well as a preview of what could be the hottest developments and research topics in the near future. The Tide-Dominated Han River Delta provides a thorough analysis of a river delta in which tidal currents have reworked the river-borne sediment, generating characteristic geomorphological and sedimentological signatures in the process. Such "tide-dominated" deltas are common in the modern ocean, forming the substrate upon which entire populations are built. Furthermore, ancient examples contain enormous volumes of hydrocarbon. Despite this, tide-dominated deltas remain less well understood than their wave- and river-dominated counterparts, largely because processes within them are inherently more complex and fewer modern examples have been investigated in detail. This multi-year study by a team of experts in coastal geoscience represents the most complete documentation of a tide-dominated delta to date. Results help advance, and are applicable to, a broad range of fields within sedimentary geology, including clastic sedimentology, seismic and sequence stratigraphy, and coastal geomorphology, in addition to petroleum geology and reservoir engineering. Offers new access to results of a multi-year hydrocarbon-reservoir analogue study not available elsewhere Features 75 full-color figures and illustrations to emphasize critical aspects of the delta’s sedimentology, geomorphology, and stratigraphy Provides basic data that better define what tide-dominated deltas are, how these complex systems behave over time, and why this is so Aids petroleum geologists and reservoir engineers in predicting the distribution of baffles and barriers in tide-dominated sediment bodies, helping in the successful development of reservoirs

The zone where land and sea meet is composed of a variety of complex environments. The coastal areas of the world contain a large percentage of its population and are therefore of extreme economic importance. Industrial, residential, and recreational developments, as well as large urban complexes, occupy much of the coastal margin of most highly developed countries. Undoubtedly future expansion in many undeveloped maritime countries will also be concentrated on coastal areas. Accompanying our occupation of coasts in this age of technology is a dependence on coastal environments for transportation, food, water, defense, and recreation. In order to utilize the coastal zone to its capacity, and yet not plunder its resources, we must have extensive knowledge of the complex environments contained along the coasts. The many environments within the coastal zone include bays, estuaries, deltas, marshes, dunes, and beaches. A tremendously broad range of conditions is represented by these environments. Salinity may range from essentially fresh water in estuaries, such as along the east coast of the United States, to extreme hypersaline lagoons, such as Laguna Madre in Texas. Coastal environments may be in excess of a hundred meters deep (fjords) or may extend several meters above sea level in the form of dunes. Some coastal environments are well protected and are not subjected to high physical energy except for occasional storms, whereas beaches and tidal inlets are continuously modified by waves and currents.

Geology of Holocene Barrier Island Systems

Fluvial Meanders and Their Sedimentary Products in the Rock Record (IAS SP 48)

Soil Geomorphology

Fluvial-Tidal Sedimentology

Decision Support Systems in Urban Planning

Uprooting Bias in the Academy

This book constitutes revised selected papers from the 25th International Symposium on Graph Drawing and Network Visualization, GD 2017, held in Boston, MA, USA, in September 2017. The 34 full and 9 short papers presented in this volume were carefully reviewed and selected from 87 submissions. Also included in this book are 2 abstracts of keynote presentations, 16 poster abstracts, and 1 contest report. The papers are organized in topical sections named: straight-line representations; obstacles and visibility; topological graph theory; orthogonal representations and book embeddings; evaluations; tree drawings; graph layout designs; point-set embeddings; special representations; and beyond planarity.

The sinuous form and peculiar evolution of meandering rivers has long captured the imagination of people. Today, meandering rivers exist in some of the most densely populated areas in the World, where they provide environmental and economic wealth and opportunities, as well as posing hazards. Through geological time, the ancestors of these modern meanders built deposits that are now host to mineral resources, groundwater, and hydrocarbons. This Special Publication illustrates the breadth of current research on meandering rivers and their deposits. The collection of research papers demonstrates the state of science on fluvial process-product relationships. The articles cover fundamental and applied studies of both modern and ancient rivers, are based on state-of-the-art technology, include complementary philosophical approaches, and span a wide range of spatial and temporal scales. This book includes some of the most recent advances in the study of the morphodynamics and sedimentology of meandering rivers, and is an important resource for those who want to investigate fluvial systems and their deposits.

Board Review in Preventive Medicine and Public Health prepares physicians for their initial and recertification board exams in the related specialties of preventive, occupational and aerospace medicine. Formatted in a question and answer based style that imitates material on specialty exams, each question is linked to a detailed answer. The book contains over 640 question and answer sets covering areas such as general public health, health management, health law, community health, infectious disease, clinical preventive medicine, occupational medicine, aerospace medicine, environmental medicine, correctional (prison) medicine, emergency preparedness, epidemiology and biostatistics. The book is an essential board preparation for physicians with a background in the fields of preventive medicine, occupational medicine, and aerospace medicine. It is also useful for medical students, public health students and those wishing to gain an understanding of the key points in these fields. Provides a question based format that imitates board exams in preventive, occupational and aerospace medicine Written by a specialist with board certification with the goal of elucidating the format, content and reasoning behind the board certification exam Enhances the reader's understanding of material with clear explanations of answers

Coastal Geology

A Guide to Information Sources in the Geographical Sciences

Principles of Tidal Sedimentology

Engineering and Design

Trace Fossils as Indicators of Sedimentary Environments

Sedimentology of Paralic Reservoirs

1 On Some Fundamental Concepts of Darwinian Biology.- Vitalism, Mechanism, and Compositionism.- Adaptedness and Adaptation.- Adaptedness to Survive and to Reproduce.- Adaptability.- Evolutionary Plasticity.- The Problem of Quantification of Adaptedness.- Darwinian Fitness.- Varieties of Natural Selection.- Darwinian Fitness and Adaptedness.- Evolutionary Opportunism and Adaptive Radiation.- Progressive Evolution.- References.- 2 Cave Ecology and the Evolution of Trogllobites.- Animal Life in Caves.- The Cave Ecosystem.- Regressive Evolution in Cave Animals.- Speciation and Adaptation in Troglob.

Make sense of college admissions and prepare a successful application Admission Matters offers comprehensive, expert, and practical advice for parents and students to guide them through the college admissions process. From building a college list, to understanding standardized tests, to obtaining financial aid, to crafting personal statements, to making a final decision, this book guides you every step of the way with clear, sensible advice and practical tips. This new fourth edition has been completely updated to reflect the latest changes in college admissions, including new developments in standardized testing, applications, financial aid and more. Questionnaires, interactive forms, checklists, and other tools help you stay focused and organized throughout the process.. With the answers you need and a down-to-earth perspective, this book provides an invaluable resource for stressed-out students and parents everywhere. Applying to college can be competitive and complex. Admission Matters offers real-world expert advice for all students, whether you're aiming an Ivy or the state school close to home. It also includes much needed guidance for students with special circumstances, including students with disabilities, international students, and transfer students. In addition, athletes, artists and performers, and homeschoolors will find valuable guidance as they plan for and apply to college. Understand how the admissions process works and what you can and cannot control Learn how to build a strong list of good-fit colleges Craft a strong application package with a compelling personal statement Get expert advice on early admissions, financial aid, standardized testing, and much more Make a final decision that is the right one for you Whether you think you've got applying to college under control or don't even know where to begin, Admission Matters is your expert guide throughout the college admissions process.

This open access book analyzes barriers to inclusion in academia and details ways to create a more diverse, inclusive environment. It describes the implementation of UC Davis ADVANCE, a grant program funded by the National Science Foundation, to increase the hiring and retention of underrepresented scholars in the STEM fields (science, technology, engineering and mathematics) and foster a culture of inclusion for all faculty. It first describes what the barriers to inclusion are and how they function within the broader society. A key focus here is the concept of implicit bias: what it is, how it develops, and the importance of training organizational members to recognize and challenge it. It then discusses the limitations of data collection that is guided by the convention assumption that being diverse automatically means being inclusive. Lastly, it highlights the importance of creating a collaborative, interdisciplinary, and institution-wide vision of an inclusive community.

AAPG Memoir 31

Volume 2

Coastal Sedimentary Environments

Sedimentary Facies in the Active Plate Margin

Volume 35

Graph Drawing and Network Visualization

This report reviews literature concerning the geological aspects of inner continental shelf physical processes, sediment transport, and stratigraphy. Although surf zone and nearshore processes and sediment transport have been extensively addressed in the literature, inner shelf processes and sediment transport, particularly in the cross-shelf direction, are not well understood. Inner continental shelf processes and related cross-shore sediment transport between the beach and the inner shelf have important implications for engineering works such as beachfill design and dredged material placement specific topics considered include: depth of closure and extent of sediment transport landward and seaward of this zone; processes that cause cross-shore movement of sediment; amount and physical characteristics of beach material lost to the off-shore; long-term fate of sediment that has moved offshore; relationship between depositional structures and flow processes; the impact of episodic storms on sedimentation; and the importance of the geologic framework on the inner shelf. Discussions pertain to the relationships between sediment transport on the inner shelf and the concepts of equilibrium profile, depth of closure, and sedimentation and stratigraphic characteristics of the inner shelf.

This new Encyclopedia of Coastal Science stands as the latest authoritative source in the field of coastal studies, making it the standard reference work for specialists and the interested lay person. Unique in its interdisciplinary approach. This Encyclopedia features contributions by 245 well-known international specialists in their respective fields and is abundantly illustrated with line-drawings and photographs. Not only does this volume offer an extensive number of entries, it also includes various appendices, an illustrated glossary of coastal morphology and extensive bibliographic listings.

Provides readers with the fundamentals necessary for a basic understanding of the soil landscape. Divided into three major sections, it covers stratigraphy, geomorphology, hydrology, and the ways in which these geologic processes shape the landscape. Early chapters cover the textural characteristics of soil materials, fluvial systems, hillslope sediments and transitional environments. Later chapters explore volcanics, saprolite, the evolutionary process of landscapes, rates of denudation, streams, hillslope processes and mass movement. Included at the end of the chapters are lists of references, figures, tables and additional reading sources.

Geomorphology, Sedimentology, and Stratigraphic Architecture