

Crossing The Data Delta Turn The Data You Have Into The Information You Need

In view of changes in the global environment, it is important to determine and developing technologies to ameliorate metabolic limitations by biological processes most sensitive to abiotic stress factors warning crop productivity. It is reaffirmed that publishing the important Treatise Series has been undertaken with a view to identify the inadequacies under varied environments and to scientifically extend precise and meaningful research so that the significant outcomes including new technologies are judiciously applied for requisite productivity, profitability and sustainability of agriculture. Besides this, meticulous research in some of the very sensible and stirring areas of Plant Physiology-Plant Molecular Physiology are indispensably needed for holistic development of agriculture and crop production in different agro-climatic zones. Ardently, this is also to focus upon excellent new ideas ensuring the best science done across the full extent of modern plant biology, in general, and plant physiology, in particular. In Volume 14, with inventive applied research, attempts have been made to bring together much needed eighteen remarkable review articles distributed in three appropriate major sections of Nutriophysiology and Crop Productivity, Plant Responses to Changing Environment and Environmental Stresses and Technological Innovations in Agriculture written by thirty four praiseworthy contributors of eminence in unequivocal fields mainly from premier institutions of India and abroad. In reality, the Volume 14 of the Treatise Series is wealth for interdisciplinary exchange of information particularly in the field of nutriophysiology and abiotic stresses for planning meaningful research and related education programmes in these thrust areas. Apart from fulfilling the heightened need of this kind of select edition in different volumes for research teams and scientists engaged in various facets of research in Plant Physiology/Plant Sciences in traditional and agricultural universities, institutes and research laboratories throughout the world, it would be tremendously a productive reference book for acquiring advanced knowledge by post-graduate and Ph.D. scholars in response to the innovative courses in Plant Physiology, Plant Biochemistry, Plant Molecular Biology, Plant Biotechnology, Environmental Sciences, Plant Pathology, Microbiology, Soil Science & Agricultural Chemistry, Agronomy, Horticulture, and Botany.

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Contains papers presented for the -30th annual meeting of the association.

Measure, rate, and improve network performance with techniques from an expert. With years of practical experience, Nassar is an authority on network performance baselining. In this revolutionary book, he includes approaches for standard baseline methodologies along with actual steps and processes to perform network baseline measurements.

This volume summarizes in 16 chapters the petroleum geology of the Békés basin with respect to its geological setting in the Pannonian Basin. The work was accomplished by a joint effort of the Hungarian Oil and Gas Co. and U.S. Geological Survey. In contrast with other books that discuss the geology of Hungary, this volume identifies, in detail, potential source rocks and reservoir rocks, and evaluates the maturation, generation, migration, and entrapment of hydrocarbons. The outstanding points are: (1) its summary of the petroleum geology of the Békés basin with respect to its structural and

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sedimentological setting in the Pannonian Basin; (2) the identification of geographic areas, structural trends and stratigraphic zones that remain relatively unexplored; and (3) a summary of 'petroleum plays' with an assessment of their recoverable, undiscovered resources of oil and gas. This book is primarily for petroleum geologists interested in oil and gas exploration in Hungary, and earth scientists interested in the geology of the Pannonian Basin.

This new edition introduces operation and design techniques for Sigma-Delta converters in physical and conceptual terms, and includes chapters which explore developments in the field over the last decade Includes information on MASH architectures, digital-to-analog converter (DAC) mismatch and mismatch shaping Investigates new topics including continuous-time ?? analog-to-digital converters (ADCs) principles and designs, circuit design for both continuous-time and discrete-time ?? ADCs, decimation and interpolation filters, and incremental ADCs Provides emphasis on practical design issues for industry professionals

'If I were a large enterprise about to invest in Big Data, BI, Data Governance or MDM, I'd call time out until my key staff had read this book. It's a thought-provoking game changer that can help structure the necessary conversation about changing the traditional data culture in an organization. I hope you will enjoy reading this as much as I did.' Aaron Zornes, Chief Research Officer & Founder, The MDM Institute & Conference Chairman, The MDM & Data Governance Summit series.(London, Madrid, New York, San Francisco, Sydney, Tokyo, Toronto). Crossing the Data Delta is an important and exciting new book from the Entity Group that provides an innovative analysis of the Digital Revolution. It focuses on the gap between the enormous amount of data that organisations have, and the difficulties you face turning this into measurable business value. It applies whether your data is structured or unstructured, whether your organisation is large or small. It applies to you whatever type of organisation you work for. Crossing the Data Delta presents an agile approach to driving digital value in your organisation. It provides a clarion call to treat data as an asset. The value of a modern organisation depends upon the quality of its data. Turning accurate, complete, timely, secure data into business intelligence is how organisations will win the data wars of the 21st century. Crossing the Data Delta tells you exactly how to do that.

The reserves, or extractable fraction, of the fuel-mineral endowment are sufficient to supply the bulk of the world's energy requirements for the immediately foreseeable future-well into the next century according to even the most pessimistic predictions. But increasingly sophisticated exploration concepts and technology must be employed to maintain and, if possible, add to the reserve base. Most of the world's fuel-mineral resources are in sedimentary rocks. Any procedure or concept that helps describe, understand, and predict the external geometry and internal attributes of major sedimentary units can therefore contribute to discovery and recovery of coal, uranium, and petroleum. While conceding the desirability of renewable and nonpolluting energy supply from gravitational, wind, or solar sources, the widespread deployment of these systems lies far in the future-thus the continued commercial emphasis on conventional nonrenewable fuel mineral resources, even though their relative significance will fluctuate with time. For example, a decade ago the prognostications for uranium were uniformly optimistic. But in the early 1980s the uranium picture is quite sombre,

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although unlikely to remain permanently depressed. Whether uranium soars to the heights of early expectations remains to be seen. Problems of waste disposal and public acceptance persist. Fusion reactors may ultimately eliminate the need for uranium in power generation, but for the next few decades there will be continued demand for uranium to fuel existing power plants and those that come on stream. This book is, to some extent, a hybrid.

The International Conference on Asian Digital Libraries (ICADL) is an annual international forum that provides opportunities for librarians, researchers and experts to exchange their research results, innovative ideas, service experiences and state-of-the-art developments in the field of digital libraries. Building on the success of the first six ICADL conferences, the 7th ICADL conference hosted by the Shanghai Jiao Tong University and the Shanghai Library in Shanghai, China aimed to further strengthen the academic collaboration and strategic alliance in the Asia-Pacific Region in the development of digital libraries. The theme of ICADL 2004 was: Digital library: International Collaboration and Cross-fertilization, with its focus on technology, services, management and localization. The conference began with an opening ceremony and the conference program featured 9 keynote speeches and 5 invited speeches by local and international experts. During the 3-day program, 40 research paper presentations were given in 3 parallel sessions. The conference also included 6 tutorials and an exhibition. The conference received 359 submissions, comprising 248 full papers and 111 short papers. Each paper was carefully reviewed by the Program Committee members. Finally, 44 full papers, 15 short papers and 37 poster papers were selected. On behalf of the Organizing and Program Committees of ICADL 2004, we would like to express our appreciation to all authors and attendees for participating in the conference. We also thank the sponsors, Program Committee members, supporting organizations and helpers for making the conference a success. Without their efforts, the conference would not have been possible.

The Oosterschelde estuary is one of the estuaries in the Netherlands which remained after the Delta scheme was completed in 1986. In the seventies the Oosterschelde became a national symbol of the change in political thinking and decision making about the values of our natural environment. As a result of political decision a storm surge barrier was built in the mouth of the estuary, as a compromise between safety for the human population and nature conservation. Owing to the broad interest in the meaning of the Oosterschelde estuary for Dutch and international societies, it became one of the most intensively studied coastal ecosystems in Western Europe. In an interdisciplinary approach of several state agencies and universities, a broad spectrum of physical, chemical and biological research has been carried out during the period of 1980--1989, dedicated to the structure and functioning of the saline ecosystem. The undisturbed estuary was studied during the period between 1980--1984. Large mathematical models had been constructed before 1986, to simulate future changes in the ecosystem. Further studies after the completion of the storm surge barrier (1986--1989) have been used for verification of the model. The integrated and summarized knowledge of the Oosterschelde ecosystem is used by water managers and nature and fisheries conservationists. A case study for professional civil engineers, ecologists, marine biologists, water managers, decision makers, university students and anyone interested in physical, chemical and biological estuarine and coastal sciences.

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The proceedings set LNCS 11727, 11728, 11729, 11730, and 11731 constitute the proceedings of the 28th International Conference on Artificial Neural Networks, ICANN 2019, held in Munich, Germany, in September 2019. The total of 277 full papers and 43 short papers presented in these proceedings was carefully reviewed and selected from 494 submissions. They were organized in 5 volumes focusing on theoretical neural computation; deep learning; image processing; text and time series; and workshop and special sessions.

Using language to date the origin and spread of food production, *Archaeology and Language II* represents groundbreaking work in synthesizing two disciplines that are now seen as interlinked: linguistics and archaeology. This volume is the second part of a three-part survey of innovative results emerging from their combination. Archaeology and historical linguistics have largely pursued separate tracks until recently, although their goals can be very similar. While there is a new awareness that these disciplines can be used to complement one another, both rigorous methodological awareness and detailed case-studies are still lacking in the literature. This three-part survey is the first study to address this. *Archaeology and Language II* examines in some detail how archaeological data can be interpreted through linguistic hypotheses. This collection demonstrates the possibility that, where archaeological sequences are reasonably well-known, they might be tied into evidence of language diversification and thus produce absolute chronologies. Where there is evidence for migrations and expansions these can be explored through both disciplines to produce a richer interpretation of prehistory. An important part of this is the origin and spread of food production which can be modelled through the spread of both plants and words for them. *Archaeology and Language II* will be of interest to researchers in linguistics, archaeologists and anthropologists.

Efficient Test Methodologies for High-Speed Serial Links describes in detail several new and promising techniques for cost-effectively testing high-speed interfaces with a high test coverage. One primary focus of *Efficient Test Methodologies for High-Speed Serial Links* is on efficient testing methods for jitter and bit-error-rate (BER), which are widely used for quantifying the quality of a communication system. Various analysis as well as experimental results are presented to demonstrate the validity of the presented techniques.

Data analytics is proving to be an ally for epidemiologists as they join forces with data scientists to address the scale of crises. Analytics examined from many sources can derive insights and be used to study and fight global outbreaks. Pandemic analytics is a modern way to combat a problem as old as humanity itself: the proliferation of disease. *Machine Learning and Data Analytics for Predicting, Managing, and Monitoring Disease* explores different types of data and discusses how to prepare data for analysis, perform simple statistical analyses, create meaningful data visualizations, predict future trends from data, and more by applying cutting edge technology such as machine learning and data analytics in the wake of the COVID-19 pandemic. Covering a range of topics such as mental health analytics during COVID-19, data analysis and machine learning using Python, and statistical model development and deployment, it is ideal for researchers, academicians, data scientists, technologists, data analysts, diagnosticians, healthcare professionals, computer scientists, and students.

The present volume deals with the course and effects of migrations in the east and

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south- east of Europe during the period between the tenth and the thirteenth century. The author's special focus is on Romanian communities and on nomadic tribes that came from the steppes and penetrated into the area north of the Danube Delta.

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