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National Handbook of Recommended Methods for Water-data Acquisition CRC Press

Standard ASCE / EWRI 2-06 provides the latest methods for measuring the rate of oxygen transfer from diffused gas and mechanical oxygenation devices to water.

Managing Measurement Risk in Building and Civil Engineering Taylor & Francis

Presents a fresh, contextualised and sophisticated perspective on comparative law for both students and scholars.

Water Measurement Manual Cambridge University Press

This book discusses the impact of climate change, land use and land cover, and socio-economic dynamics on landslides in Asian countries. Scholars recently have brought about a shift in their focus regarding triggering factors for landslides, from rainfall or earthquake to claiming rapid urbanization, extreme population pressure, improper land use planning, illegal hill cutting for settlements and indiscriminate deforestation. This suggests that the occurrence or probabilities of landslides are shaped by both climate-related and non-climate-related anthropogenic factors. Among these issues, land use and land cover change or improper land use planning is one of the key factors. Further climate change shapes the rainfall pattern and intensity in different parts of the world, and consequently rainfall-triggered landslides have increased. These changes cause socio-economic changes. Conversely, socio-economic and lifestyle changes enhance inappropriate land use and climate change. All these changes in land use, climate and socio-economic aspects are dynamics in nature and shape landslide risks in Asian countries, where they are given serious attention by governments, disaster management professionals, researchers and academicians. This book comprises 21 chapters divided into three major sections highlighting the effect of climate change on landslide incidence with the influence on vegetation and socio-economic aspects. The sections address how climate change and extreme events have triggered landslides. The advances in geospatial techniques with the focus on land use and land cover change along with the effect on socio-economic aspects are also explored.

International Handbook of Practice-Based Performance Management Elsevier

In the history of humankind, the sea has always played a key role as a privileged medium for communication, commerce and contact among population centers. It constitutes an essential ecosystem, and an invaluable reservoir and source of food for all living beings. Therefore, its heath is a critical challenge for the survival of all humanity, particularly as one the most important environmental components targeted by global warming. Measuring and monitoring techniques are key tools for managing the marine environment and for supporting the Blue Economy. With this perspective, a series of annual international events, entitled MetroSea (Metrology for the Sea) was begun in 2017. Their increasing success inspired this book, which provides an anthology of tutorials dealing with a representative selection of topics of concern to a broad readership. The book covers two broad application areas, marine hydrography and meteorology, and then deals with instrumentation for measurement at sea. Typical metrological issues such as calibration and traceability, are considered, for both physical and chemical quantities. Key techniques, such as underwater acoustic investigation, remote sensing, measurement of waves and monitoring networks, are treated alongside marine geology and the monitoring of animal species. Economic and legal aspects of metrology for navigation are also discussed. Such an unparalleled wide vision of measurement for the sea will be of interest to a broad audience of scientists, engineers, economists, and their students. .

Applied Psychology in Talent Management Cambridge University Press

This is an updated edition of the only full-scale book in English on the law of a country that in recent years has emerged as a leading player on the world ’ s stage. Brazil ’ s markets have flourished as courts, legislators and a sophisticated legal elite have continuously adapted foreign rules to the country ’ s realities, giving Brazil a formidable edge in attracting foreign investors. Sixteen notable Brazilian authorities describe and analyse the laws, regulations and jurisprudence in all the major fields of legal practice and administration, paying detailed attention to such elements as the following: - the multiple interwoven sources of Brazilian law; - administrative agencies and procedures; - Brazil ’ s unique ‘ social function of contracts ’ principle; - corporate and related structures; - the new Brazilian

civil procedure code and arbitration rules; - constitutional principles and judicial review; - fiduciary transfers and insolvency issues; - complex rules of criminal procedure; - mandatory succession rules; - labour law compliance; - private international law; and - taxation. Each chapter is followed by an up-to-date reference list of works both in English and in Portuguese. This book provides practitioners with information more than sufficient to navigate through any area of Brazilian law. Lawyers and scholars will find here an overview that will continue to be useful as a resource in facing and overcoming the challenges inherent in engaging with Brazil ’ s economy and legal realities.

Measuring and Modelling Fluxes from River Basins to Coastal Seas Brill Archive

Principles of Soil Physics examines the impact of the physical, mechanical, and hydrological properties and processes of soil on agricultural production, the environment, and sustainable use of natural resources. The text incorporates valuable assessment methods, graphs, problem sets, and tables from recent studies performed around the globe and offers an abundance of tables, photographs, and easy-to-follow equations in every chapter. The book discusses the consequences of soil degradation, such as erosion, inhibited root development, and poor aeration. It begins by defining soil physics, soil mechanics, textural properties, and packing arrangements . The text continues to discuss the theoretical and practical aspects of soil structure and explain the significance and measurement of bulk density, porosity, and compaction. The authors proceed to clarify soil hydrology topics including hydrologic cycle, water movement, infiltration, modeling, soil evaporation, and solute transport processes. They address the impact of soil temperature on crop growth, soil aeration, and the processes that lead to the emission of greenhouse gases. The final chapters examine the physical properties of gravelly soils and water movement in frozen, saline, and water-repellant soils. Reader-friendly and up-to-date, *Principles of Soil Physics* provides unparalleled coverage of issues related to soil physics, structure, hydrology, aeration, temperature, and analysis and presents practical techniques for maintaining soil quality to ultimately preserve its sustainability.

Smart Civil Structures John Wiley & Sons
This book presents, in SI units, the various methods and concepts of surveying, laying greater emphasis on those that are commonly used. Relevant historical aspects are given. Tracing the development of the subject and the methods. The book also gives an overview of certain advanced and modern surveying techniques such as precise traversing and levelling, aerial photogrammetry, airphoto interpretation, electronic distance measurement and remote sensing. *Rock Stress and Its Measurement* John Wiley & Sons
Examines topics in the field of forensic psychology, including why people commit crimes, the ways that psychologists and prisoners work together, and how to go about becoming a forensic psychologist.

Imaging Methods for Novel Materials and Challenging Applications, Volume 3 John Wiley & Sons

Interim remedies and provisional measures are a critical component of civil/commercial litigation and arbitration. The objective of this book is to set out not just the law and practice in relation to the primary interim remedies and preservation measures available in England & Wales and China, but also to provide the comparative analysis between the two jurisdictions concerning these interim measures. The system for interim remedies in England & Wales is well-established, but preservation measures in China are a work in progress and many differences exist between the two legal systems, both in terms of theory and practice. For example, China does not recognise the general concept of interim measures, if looked at from the English law point of view, though it does have similar concepts of Property preservation, evidence preservation and behaviour preservation. China has recently adopted Chinese Civil Code 2020 and in writing this book the authors have incorporated all the relevant elements from the new Code. There is no equivalent of Practice Directions in China, and this book provides provide much needed clarity on this area, drawing together the law and guidance which is presently scattered across numerous local courts in the different provinces. This is an important book that is likely to have a significant impact on existing scholarship regarding interim remedies in England, Wales and China, and be of interest of all parties involved in cross-border litigation. Its readership will include industry

professionals, academics, policy-makers and government officials.

Civil Aviation Macmillan International Higher Education

This book presents the most important applications of probablistic and statistical approaches and procedures to structural engineering.

A Guide to Methods and Standards for the Measurement of Water Flow Universities Press

A comprehensive guide to the most useful geotechnical laboratory measurements Cost effective, high quality testing of geo-materials is possible if you understand the important factors and work with nature wisely. *Geotechnical Laboratory Measurements for Engineers* guides geotechnical engineers and students in conducting efficient testing without sacrificing the quality of results. Useful as both a lab manual for students and as a reference for the practicing geotechnical engineer, the book covers thirty of the most common soil tests, referencing the ASTM standard procedures while helping readers understand what the test is analyzing and how to interpret the results. Features include: Explanations of both the underlying theory of the tests and the standard testing procedures The most commonly-taught laboratory testing methods, plus additional advanced tests Unique discussions of electronic transducers and computer controlled tests not commonly covered in similar texts A support website at www.wiley.com/college/germaine with blank data sheets you can use in recording the results of your tests as well as Microsoft Excel® spreadsheets containing raw data sets supporting the experiments

The Social Value of New Technology Civil AviationStandards and Liabilities

This book is intended for Earth science specialists using geophysical methods, which are applicable to both reservoir studies and civil engineering. In each chapter, the reader will find theoretical concepts, practical rules and, above all, concrete examples of applications. For this reason, the book can be used as a text to accompany course lectures or continuing education seminars.Contents: 1. Methodology for the study of geotechnical problems. 2. From the petroleum field to civil engineering. 3. Theoretical overview of seismic and acoustic techniques. 4. Reflection seismic. 5. Refraction seismic. 6. Well seismic. 7. Acoustic logging. 8. Examples of hydrocarbon field and civil engineering studies. 9. Radar. 10. Role of well logging in geotechnics. 11. Logging and soil mechanics. Bibliography. Index. *Sensing Hardware and Data Collection Methods for Performance Assessment* CRC Press

* Edited by Josef Singer, the world's foremost authority on structural buckling. * Time-saving and cost-effective design data for all structural, mechanical, and aerospace engineering researchers.

Representing Justice Vikas Publishing House
It is a comprehensive treatise on Water Resources Development and Irrigation Management. For the last 30 years the book has enjoyed the status of an definitive textbook on the subject. It has now been thoroughly revised and updated, and thus substantially enlarged. In addition to the wholesale revision of the existing chapters, three new chapters have been added to the book, namely, Lift Irrigation Systems and their Design , Water Requirement of Crops and Irrigation Management , and Economic Evaluation of Irrigation Projects and Water Pricing Policy .

Proceedings of the 2012 Annual Conference on Experimental and Applied Mechanics SAGE Publications

Previously the role of social capital - defined as the institutions and networks of relationships between people, and the associated norms and values - in programs of poverty alleviation and development has risen to considerable prominence. Although development practitioners have long suspected that social capital does affect the efficiency and quality of most development processes, this book provides the rigorous empirical results needed to confirm that impression and translate it into effective and informed policymaking. It is based on a large volume of collected data, relying equally on quantitative and qualitative research methodologies to establish approaches for measuring social capital and its impact. The book documents the pervasive role of

social capital in accelerating poverty alleviation and rural development, facilitating the provision of goods and services, and easing political transition and recovery from civil conflicts.

Comparative Law Amer Society of Civil Engineers Offers quantity surveyors, engineers, building surveyors and contractors clear guidance on how to recognise and avoid measurement risk. The book recognises the interrelationship of measurement with complex contractual issues; emphasises the role of measurement in the entirety of the contracting process; and helps to widen the accessibility of measurement beyond the province of the professional quantity surveyor. For the busy practitioner, the book includes: Detailed coverage of NRM1 and NRM2, CESMM4, Manual of Contract Documents for Highway Works and POM(I) Comparison of NRM2 with SMM7 Detailed analysis of changes from CESMM3 to CESMM4 Coverage of the measurement implications of major main and sub-contract conditions (JCT, NEC3, Infrastructure Conditions and FIDIC) Definitions of 5D BIM and exploration of BIM measurement protocols Considerations of the measurement risk implications of both formal and informal tender documentation and common methods of procurement An identification of pre- and post-contract measurement risk issues Coverage of measurement risk in claims and final accounts Detailed worked examples and explanations of computer-based measurement using a variety of industry-standard software packages.

The Methods and Materials of Demography IWA Publishing Civil AviationStandards and LiabilitiesTaylor & Francis Geotechnical Laboratory Measurements for Engineers Springer Science & Business Media

This overview and analysis of current arbitration law and practice in mainland China offers critical analysis of significant Chinese arbitration law materials and key cases decided by the Supreme People's Court of the People's Republic of China (PRC). It also provides the full texts of around two hundred decisions of the Supreme People's Court of the PRC dating from 1990 to 2013, with enclosures of lower People's Courts' decisions presented in a systematic fashion. The analysis not only highlights the importance of the materials, judicial interpretations and key cases, but also enables readers to read mainland Chinese statutes, judiciary interpretations and cases independently and confidently.

A Guide to Effective Water Measurement Practices for Better Water Management Springer Nature

Rock masses are initially stressed in their current in situ state of stress and to a lesser natural state. Whether one is interested in the extent on the monitoring of stress change. formation of geological structures (folds, faults, The subject of paleostresses is only briefly intrusions, etc.), the stability of artificial struc discussed. tures (tunnels, caverns, mines, surface excava The last 30 years have seen a major advance our knowledge and understanding of rock tions, etc.), or the stability of boreholes, a in the in situ or virgin stress field, stress. A large body of data is now available on knowledge of along with other rock mass properties, is the state of stress in the near surface of the needed in order to predict the response of rock Earth's crust (upper 3-4km of the crust). masses to the disturbance associated with those Various theories have been proposed regarding structures. Stress in rock is usually described the origin of in situ stresses and how gravity, within the context of continuum mechanics. It is tectonics, erosion, lateral straining, rock fabric, defined at a point and is represented by a glaciation and deglaciation, topography, curva second-order Cartesian tensor with six compo ture of the Earth and other active geological nents. Because of its definition, rock stress is an features and processes contribute to the current enigmatic and fictitious quantity creating chal in situ stress field.

Textbook of Surveying John Wiley & Sons

On the occasion of the 60 anniversary of the Universal Declaration of Human Rights, this special issue of the OECD Journal on Development focuses on robust methods and tools for assessing human rights, democracy and governance.