

Handbook Of Image Quality Characterization And Prediction Optical Science And Engineering

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Advanced Color Image Processing and Analysis
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Practical Handbook of Environmental Site Characterization and Ground-Water Monitoring, Second Edition

Handbook of Polymer Synthesis, Characterization, and Processing

The essential guide to the entire process behind performing a complete characterization and benchmarking of cameras through image quality analysis. Camera Image Quality Benchmarking contains the basic information and approaches for the use of subjectively correlated image quality metrics and outlines a framework for camera benchmarking. The authors show how to quantitatively compare image quality of cameras used for consumer photography. This book helps to fill a void in the literature by detailing the types of objective and subjective metrics that are fundamental to benchmarking still and video imaging devices. Specifically, the book provides an explanation of individual image quality attributes and how they manifest themselves to camera components and explores the key photographic still and video image quality metrics. The text also includes illustrative examples of benchmarking methods so that the practitioner can design a methodology appropriate to the photographic usage in consideration. The authors outline the various techniques used to correlate the

measurement results from the objective methods with subjective results. The text also contains a detailed description on how to set up an image quality characterization lab, with examples where the methodological benchmarking approach described has been implemented successfully. This vital resource: Explains in detail the entire process behind performing a complete characterization and benchmarking of cameras through image quality analysis Provides best practice measurement protocols and methodologies, so readers can develop and define their own camera benchmarking system to industry standards Includes many photographic images and diagrammatical illustrations to clearly convey image quality concepts Champions benchmarking approaches that value the importance of perceptually correlated image quality metrics Written for image scientists, engineers, or managers involved in image quality and evaluating camera performance, Camera Image Quality Benchmarking combines knowledge from many different engineering fields, correlating objective (perception-independent) image quality with subjective (perception-dependent) image quality metrics.

Handbook of X-ray Imaging

From its initial publication titled Laser Beam Scanning in 1985 to Handbook of Optical and Laser Scanning, now in its second edition, this reference has kept professionals and students at the forefront of optical scanning technology. Carefully and meticulously updated in each iteration, the book continues to be the most comprehensive scanning resource on the market. It examines the breadth and depth of subtopics in the field from a variety of perspectives. The Second Edition covers: Technologies such as piezoelectric devices Applications of laser scanning such as Ladar (laser radar) Underwater scanning and laser scanning in CTP As laser costs come down, and power and availability increase, the potential applications for laser scanning continue to increase. Bringing together the knowledge and experience of 26 authors from England, Japan and the United States, the book provides an excellent resource for understanding the principles of laser scanning. It illustrates the significance of scanning in society today and would help the user get started in developing system concepts using scanning. It can be used as an introduction to the field and as a reference for persons involved in any aspect of optical and laser beam scanning.

Final Program and Proceedings

Since publication of the First Edition, advances in the diagnosis and prevention and treatment strategies of the vulnerable plaque have necessitated this greatly expanded second edition. With several new chapters covering mainly diagnostic and treatment options, The Handbook of the Vulnerable Plaque will remain the benchmark text for all interventi

Advanced Color Image Processing and Analysis

Covering a broad range of polymer science topics, Handbook of Polymer Synthesis, Characterization, and Processing provides polymer industry professionals and researchers in polymer science and technology with a single, comprehensive handbook summarizing all aspects involved in the polymer production chain. The handbook focuses on industrially important polymers, analytical techniques, and formulation methods, with chapters covering step-growth, radical, and copolymerization, crosslinking and grafting, reaction engineering, advanced technology applications, including conjugated, dendritic, and nanomaterial polymers and emulsions, and characterization methods, including spectroscopy, light scattering, and microscopy.

The Journal of Imaging Science and Technology

Proceedings of SPIE present the original research papers presented at SPIE conferences and other high-quality conferences in the broad-ranging fields of optics and photonics. These books provide prompt access to the latest innovations in research and technology in their respective fields. Proceedings of SPIE are among the most cited references in patent literature.

Human Vision and Electronic Imaging

With 300 figures, tables, and equations, this book presents a unified approach to image quality research and modeling. The author discusses the results of different, calibrated psychometric experiments can be rigorously integrated to construct predictive software using Monte Carlo simulations and provides numerous examples of viable field applications for product design and verification of modeling predictions. He covers perceptual measurements for the assessment of individual quality attributes and overall quality, explores variation in scene susceptibility, observer sensitivity, and preference, and includes methods of analysis for testing and refining metrics based on psychometric data.

Handbook of Instrumentation and Techniques for Semiconductor Nanostructure Characterization

Now in its fifth edition, John C. Russ's monumental image processing reference is an even more complete, modern, and hands-on tool than ever before. The Image Processing Handbook, Fifth Edition is fully updated and expanded to reflect the latest developments in the field. Written by an expert with unequalled experience and authority, it offers clear guidance on how to create, select, and use the most appropriate algorithms for a specific application. What's new in the Fifth Edition? · A new chapter on the human visual process that explains which visual cues elicit a response from the viewer · Description of the latest hardware and software for image acquisition and printing, reflecting the proliferation of the digital camera · New material on multichannel images, including a major section on principal components analysis · Expanded sections on

deconvolution, extended dynamic range images, and image enlargement and interpolation · More than 600 new and revised figures and illustrations for a total of more than 2000 illustrations · 20% more references to the most up-to-date literature Written in a relaxed and reader-friendly style, The Image Processing Handbook, Fifth Edition guides you through the myriad tools available for image processing and helps you understand how to select and apply each one.

Eighth International Conference on Quality Control by Artificial Vision

Handbook of Water Analysis, Third Edition

Containing chapter contributions from over 130 experts, this unique publication is the first handbook dedicated to the physics and technology of X-ray imaging, offering extensive coverage of the field. This highly comprehensive work is edited by one of the world's leading experts in X-ray imaging physics and technology and has been created with guidance from a Scientific Board containing respected and renowned scientists from around the world. The book's scope includes 2D and 3D X-ray imaging techniques from soft-X-ray to megavoltage energies, including computed tomography, fluoroscopy, dental imaging and small animal imaging, with several chapters dedicated to breast imaging techniques. 2D and 3D industrial imaging is incorporated, including imaging of artworks. Specific attention is dedicated to techniques of phase contrast X-ray imaging. The approach undertaken is one that illustrates the theory as well as the techniques and the devices routinely used in the various fields. Computational aspects are fully covered, including 3D reconstruction algorithms, hard/software phantoms, and computer-aided diagnosis. Theories of image quality are fully illustrated. Historical, radioprotection, radiation dosimetry, quality assurance and educational aspects are also covered. This handbook will be suitable for a very broad audience, including graduate students in medical physics and biomedical engineering; medical physics residents; radiographers; physicists and engineers in the field of imaging and non-destructive industrial testing using X-rays; and scientists interested in understanding and using X-ray imaging techniques. The handbook's editor, Dr. Paolo Russo, has over 30 years' experience in the academic teaching of medical physics and X-ray imaging research. He has authored several book chapters in the field of X-ray imaging, is Editor-in-Chief of an international scientific journal in medical physics, and has responsibilities in the publication committees of international scientific organizations in medical physics. Features: Comprehensive coverage of the use of X-rays both in medical radiology and industrial testing The first handbook published to be dedicated to the physics and technology of X-rays Handbook edited by world authority, with contributions from experts in each field

Bibliographic Index

The Image Processing Handbook, Fifth Edition

The focus behind this book on wafer bonding is the fast paced changes in the research and development in three-dimensional (3D) integration, temporary bonding and micro-electro-mechanical systems (MEMS) with new functional layers. Written by authors and edited by a team from microsystems companies and industry-near research organizations, this handbook and reference presents dependable, first-hand information on bonding technologies. Part I sorts the wafer bonding technologies into four categories: Adhesive and Anodic Bonding; Direct Wafer Bonding; Metal Bonding; and Hybrid Metal/Dielectric Bonding. Part II summarizes the key wafer bonding applications developed recently, that is, 3D integration, MEMS, and temporary bonding, to give readers a taste of the significant applications of wafer bonding technologies. This book is aimed at materials scientists, semiconductor physicists, the semiconductor industry, IT engineers, electrical engineers, and libraries.

Handbook of Isolation and Characterization of Impurities in Pharmaceuticals

Vol.1: Deposition and processing of thin films; Vol.2: Characterization and spectroscopy of thin films; Vol.3: Ferroelectric and dielectric thin films; Vol.4: Semiconductor and superconductor thin films; Vol.5: Nanomaterials and magnetic thin films

Medical Imaging

This work provides those involved in water purification research and administration with a comprehensive resource of methods for analyzing water to assure its safety from contaminants, both natural and human caused. The book first provides an overview of major water-related issues in developing and developed countries, followed by a review of issues of sampling for water analysis, regulatory considerations and forensics in water quality and purity investigations. The subsequent chapters cover microbial as well chemical contaminations from inorganic compounds, radionuclides, volatile and semi-volatile compounds, disinfectants, herbicides, and pharmaceuticals, including endocrine disruptors, as well as potential terrorist-related contamination. The last chapter describes the Grainger prize-winning filter that can remove arsenic from water sources and sufficiently protect the health of a large number of people. - Covers the scope of water contamination problems on a worldwide scale - Provides a rich source of methods for analyzing water to assure its safety from natural and deliberate contaminants - Describes the filter that won the \$1 million Grainger prize and thereby highlighting an important approach to remediation

Handbook of Food Processing

The United States Food and Drug Administration (FDA) and other regulatory bodies around the world require that impurities in drug substance and drug product levels recommended by the International Conference on Harmonisation (ICH) be isolated and characterized. Identifying process-related impurities and degradation products also helps us to understand the production of impurities and assists in defining degradation mechanisms. When this process is performed at an early stage, there is ample time to address various aspects of drug development to prevent or control the production of impurities and degradation products well before the regulatory filing and thus assure production of a high-quality drug product. This book, therefore, has been designed to meet the need for a reference text on the complex process of isolation and characterization of process-related (synthesis and formulation) impurities and degradation products to meet critical regulatory requirements. Its objective is to provide guidance on isolating and characterizing impurities of pharmaceuticals such as drug candidates, drug substances, and drug products. The book outlines impurity identification processes and will be a key resource document for impurity analysis, isolation/synthesis, and characterization. - Provides valuable information on isolation and characterization of impurities. - Gives a regulatory perspective on the subject. - Describes various considerations involved in meeting regulatory requirements. - Discusses various sources of impurities and degradation products.

Handbook of Optical and Laser Scanning

"This book includes state-of-the-art methodologies that introduce biomedical imaging in decision support systems and their applications in clinical practice"--Provided by publisher.

Handbook of Wafer Bonding

A comprehensive and practical analysis and overview of the imaging chain through acquisition, processing and display. The Handbook of Digital Imaging provides a coherent overview of the imaging science amalgam, focusing on the capture, storage and display of images. The volumes are arranged thematically to provide a seamless analysis of the imaging chain from source (image acquisition) to destination (image print/display). The coverage is planned to have a very practical orientation to provide a comprehensive source of information for practicing engineers designing and developing modern digital imaging systems. The content will be drawn from all aspects of digital imaging including optics, sensors, quality, control, colour encoding and decoding, compression, projection and display. • Contains approximately 50, highly illustrated articles (ranging from 20-40 pages), printed in full colour throughout. Comprehensive 3-volume set, also available on Wiley Online Library. • Over 50 Contributors, with contributors from Europe, US and Asia. Contributors are both from academia and industry. The 3 volumes will be organized thematically for enhanced usability: Volume 1: Image Capture and Storage • Image Capture and Storage Volume 2: Image Display and Reproduction • Image Display and Projection • Hardcopy

Technology • Halftoning and Physical Evaluation • Models for Halftone Reproduction Volume 3: Imaging System Applications • Media Imaging • Remote Imaging • Medical and Forensic Imaging Ideal for engineers and designers in the dynamic global imaging and display industries

Handbook of the Vulnerable Plaque

Nondestructive Characterization of Materials XI

Digital Color Imaging Handbook

Extensively revised and updated, Handbook of Water Analysis, Third Edition provides current analytical techniques for detecting various compounds in water samples. Maintaining the detailed and accessible style of the previous editions, this third edition demonstrates water sampling and preservation methods by enumerating different ways to measure chemical and radiological characteristics. It gives step-by-step descriptions of separation, residue determination, and clean-up techniques. See What's New in the Second Edition: Includes five new chapters covering ammonia, nitrates, nitrites, and petroleum hydrocarbons, as well as organoleptical and algal analysis methodology Compares older methods still frequently used with recently developed protocols, and examines future trends Features a new section regarding organoleptical analysis of water acknowledging that ultimately the consumers of drinking water have the final vote over its quality with respect to odor, flavor, and color The book covers the physical, chemical, and other relevant properties of various substances found in water. It then describes the sampling, cleanup, extraction, and derivatization procedures, and concludes with detection methods. Illustrated with procedure flow charts and schematics, the text includes numerous tables categorizing methods according to type of component, origin of the water sample, parameters and procedures used, and application range. With contributions from international experts, the book guides you through the entire scientific investigation starting with a sampling strategy designed to capture the real-world situation as closely as possible, and ending with an adequate chemometrical and statistical treatment of the acquired data. By organizing data into more than 300 tables, graphs, and charts, and supplementing the text with equations and illustrations, the editors distill a wealth of knowledge into a single accessible reference.

Metals Handbook: Materials characterization

Packed with case studies and problem calculations, Handbook of Food Processing: Food Safety, Quality, and Manufacturing

Processes presents the information necessary to design food processing operations and describes the equipment needed to carry them out in detail. It covers the most common and new food manufacturing processes while addressing rele

Handbook of Analysis and Its Foundations

This is a comprehensive four-part handbook that covers all aspects of non-destructive evaluation with charged-particles, photons and neutrons. The basics of radiation are covered in Part I, which includes: sources, modifying (interaction) physics, detection and safety. Part II discusses the techniques of transmission, scattering, emission and absorption. Part III presents the application of these techniques for probing, gauging, elemental-analysis and imaging. Examples of applications in a wide variety of industrial fields are also given. These are classified by application area in a special index. Part IV addresses design aspects, such as choosing the proper radiation source, detector and technique; addressing experimental and calculation problems; and dealing with licensing and intellectual property issues. This book provides students, engineers, industrial physicists, and experts in the field with an inclusive source of streamlined information. Researchers and instrument developers will find an extensive list of references and helpful suggestions for tackling problems and challenges.

Digital Light Field Photography

Handbook of Analysis and Its Foundations is a self-contained and unified handbook on mathematical analysis and its foundations. Intended as a self-study guide for advanced undergraduates and beginning graduate students in mathematics and a reference for more advanced mathematicians, this highly readable book provides broader coverage than competing texts in the area. Handbook of Analysis and Its Foundations provides an introduction to a wide range of topics, including: algebra; topology; normed spaces; integration theory; topological vector spaces; and differential equations. The author effectively demonstrates the relationships between these topics and includes a few chapters on set theory and logic to explain the lack of examples for classical pathological objects whose existence proofs are not constructive. More complete than any other book on the subject, students will find this to be an invaluable handbook. Covers some hard-to-find results including: Bessagas and Meyers converses of the Contraction Fixed Point Theorem Redefinition of subnets by Aarnes and Andenaes Ghermans characterization of topological convergences Neumanns nonlinear Closed Graph Theorem van Maarens geometry-free version of Sperners Lemma Includes a few advanced topics in functional analysis Features all areas of the foundations of analysis except geometry Combines material usually found in many different sources, making this unified treatment more convenient for the user Has its own webpage: <http://math.vanderbilt.edu/>

Security, Steganography, and Watermarking of Multimedia Contents

This is Volume 5 of a Handbook that has been well-received by the thermal analysis and calorimetry community. All chapters in all five volumes are written by international experts in the subject. The fifth volume covers recent advances in techniques and applications that complement the earlier volumes. The chapters refer wherever possible to earlier volumes, but each is complete in itself. The latest recommendations on Nomenclature are also included. Amongst the important new techniques that are covered are micro-thermal analysis, pulsed thermal analysis, fast-scanning calorimetry and the use of quartz-crystal microbalances. There are detailed reviews of heating - stage spectroscopy, the range of electrical techniques available, applications in rheology, catalysis and the study of nanoparticles. The development and application of isoconversional methods of kinetic analysis are described and there are comprehensive chapters on the many facets of thermochemistry and of measuring thermophysical properties. Applications to inorganic and coordination chemistry are reviewed, as are the latest applications in medical and dental sciences, including the importance of polymorphism. The volume concludes with a review of the use and importance of thermal analysis and calorimetry in quality control. * Updates and complements previous volumes * Internationally recognized experts as authors * Each chapter complete in itself

Handbook of Thin Film Materials: Characterization and spectroscopy of thin films

The papers published in these proceedings represent the latest developments in Nondestructive Characterization of Materials and were presented at the Eleventh International Symposium on Nondestructive Characterization of Materials held in June 24-28, 2002 in Berlin, Germany.

The Infrared and Electro-optical Systems Handbook: Electro-optical systems design, analysis, and testing

This volume include over 30 chapters, written by experts from around the world. It examines drought and all of the fundamental principles relating to drought and water scarcity. It includes coverage of the causes of drought, occurrences, preparations, drought vulnerability assessments, societal implications, and more.

Handbook of Medical Imaging

Handbook of Spectroscopy

This volume does much more than survey modern advanced color processing. Starting with a historical perspective on ways we have classified color, it sets out the latest numerical techniques for analyzing and processing colors, the leading edge in

our search to accurately record and print what we see. The human eye perceives only a fraction of available light wavelengths, yet we live in a multicolor world of myriad shining hues. Colors rich in metaphorical associations make us “purple with rage” or “green with envy” and cause us to “see red.” Defining colors has been the work of centuries, culminating in today’s complex mathematical coding that nonetheless remains a work in progress: only recently have we possessed the computing capacity to process the algebraic matrices that reproduce color more accurately. With chapters on dihedral color and image spectrometers, this book provides technicians and researchers with the knowledge they need to grasp the intricacies of today’s color imaging.

Handbook of Research on Advanced Techniques in Diagnostic Imaging and Biomedical Applications

The essential resource for readers needing to understand visual perception and for those trying to produce, reproduce and measure color appearance in various applications such as imaging, entertainment, materials, design, architecture and lighting. This book builds upon the success of previous editions, and will continue to serve the needs of those professionals working in the field to solve practical problems or looking for background for on-going research projects. It would also act as a good course text for senior undergraduates and postgraduates studying color science. The 3rd Edition of Color Appearance Models contains numerous new and expanded sections providing an updated review of color appearance and includes many of the most widely used models to date, ensuring its continued success as the comprehensive resource on color appearance models. Key features: Presents the fundamental concepts and phenomena of color appearance (what objects look like in typical viewing situations) and practical techniques to measure, model and predict those appearances. Includes the clear explanation of fundamental concepts that makes the implementation of mathematical models very easy to understand. Explains many different types of models, and offers a clear context for the models, their use, and future directions in the field.

Handbook of Image Quality

Handbook on Radiation Probing, Gauging, Imaging and Analysis

Image Quality and System Performance

As we delve more deeply into the physics and chemistry of functional materials and processes, we are inexorably driven to

the nanoscale. And nowhere is the development of instrumentation and associated techniques more important to scientific progress than in the area of nanoscience. The dramatic expansion of efforts to peer into nanoscale materials and processes has made it critical to capture and summarize the cutting-edge instrumentation and techniques that have become indispensable for scientific investigation in this arena. This Handbook is a key resource developed for scientists, engineers and advanced graduate students in which eminent scientists present the forefront of instrumentation and techniques for the study of structural, optical and electronic properties of semiconductor nanostructures.

Handbook of Drought and Water Scarcity

Handbook of Functional MRI Data Analysis

Color Appearance Models

Digital technology now enables unparalleled functionality and flexibility in the capture, processing, exchange, and output of color images. But harnessing its potential requires knowledge of color science, systems, processing algorithms, and device characteristics-topics drawn from a broad range of disciplines. One can acquire the requisite background with an armload of physics, chemistry, engineering, computer science, and mathematics books and journals- or one can find it here, in the Digital Color Imaging Handbook. Unprecedented in scope, this handbook presents, in a single concise and authoritative publication, the elements of these diverse areas relevant to digital color imaging. The first three chapters cover the basics of color vision, perception, and physics that underpin digital color imaging. The remainder of the text presents the technology of color imaging with chapters on color management, device color characterization, digital halftoning, image compression, color quantization, gamut mapping, computationally efficient transform algorithms, and color image processing for digital cameras. Each chapter is written by world-class experts and largely self-contained, but cross references between chapters reflect the topics' important interrelations. Supplemental materials are available for download from the CRC Web site, including electronic versions of some of the images presented in the book.

Handbook of Thermal Analysis and Calorimetry

Functional magnetic resonance imaging (fMRI) has become the most popular method for imaging brain function. Handbook of Functional MRI Data Analysis provides a comprehensive and practical introduction to the methods used for fMRI data analysis. Using minimal jargon, this book explains the concepts behind processing fMRI data, focusing on the techniques

that are most commonly used in the field. This book provides background about the methods employed by common data analysis packages including FSL, SPM and AFNI. Some of the newest cutting-edge techniques, including pattern classification analysis, connectivity modeling and resting state network analysis, are also discussed. Readers of this book, whether newcomers to the field or experienced researchers, will obtain a deep and effective knowledge of how to employ fMRI analysis to ask scientific questions and become more sophisticated users of fMRI analysis software.

Handbook of Radioactivity Analysis

& Bull; Describes much practical information for radioactivity monitoring, spectrometric analysis, and radiation dosimetry & bull; Covers state-of-the-art high sample throughput microplate analysis techniques and multi-detector scintillation proximity analysis & bull; Presents the latest methods of rapid electronic radionuclide imaging & bull; Written by twenty-five experts from eight countries & bull; Over 2,000 cited works from the journal referencesP Why This Title? This updated and much expanded Second Edition is a proven authoritative handbook providing the reader with the principles, practical techniques, and procedures for the accurate measurement of radioactivity from the very low levels encountered in the environment to higher levels measured in radioisotope research, clinical laboratories, biological sciences, radionuclide standardization, nuclear medicine, nuclear power, fuel cycle facilities, and the implementation of nuclear safeguards.-

Handbook of Water Purity and Quality

This second, thoroughly revised, updated and enlarged edition provides a straightforward introduction to spectroscopy, showing what it can do and how it does it, together with a clear, integrated and objective account of the wealth of information that may be derived from spectra. It also features new chapters on spectroscopy in nano-dimensions, nano-optics, and polymer analysis. Clearly structured into sixteen sections, it covers everything from spectroscopy in nanodimensions to medicinal applications, spanning a wide range of the electromagnetic spectrum and the physical processes involved, from nuclear phenomena to molecular rotation processes. In addition, data tables provide a comparison of different methods in a standardized form, allowing readers to save valuable time in the decision process by avoiding wrong turns, and also help in selecting the instrumentation and performing the experiments. These four volumes are a must-have companion for daily use in every lab.

Camera Image Quality Benchmarking, Enhanced Edition

In recent years, the remarkable advances in medical imaging instruments have increased their use considerably for diagnostics as well as planning and follow-up of treatment. Emerging from the fields of radiology, medical physics and

engineering, medical imaging no longer simply deals with the technology and interpretation of radiographic images. The limitless possibilities presented by computer science and technology, coupled with engineering advances in signal processing, optics and nuclear medicine have created the vastly expanded field of medical imaging. The Handbook of Medical Imaging is the first comprehensive compilation of the concepts and techniques used to analyze and manipulate medical images after they have been generated or digitized. The Handbook is organized in six sections that relate to the main functions needed for processing: enhancement, segmentation, quantification, registration, visualization as well as compression storage and telemedicine. * Internationally renowned authors (Johns Hopkins, Harvard, UCLA, Yale, Columbia, UCSF) * Includes imaging and visualization * Contains over 60 pages of stunning, four-color images

Handbook of Digital Imaging

Practical Handbook of Environmental Site Characterization and Ground-Water Monitoring, Second Edition

Published in 1991, the first edition of The Practical Handbook of Ground-Water Monitoring quickly became the gold standard reference on the topic of ground-water monitoring. But, as in all rapidly evolving fields, regulations change, technology advances, methods improve, and research reveals flaws in prior thinking. As a consequence, books that document the state of the science, even widely acknowledged definitive works, become outdated and need to be rewritten periodically to stay current. Reflecting this and renamed to highlight its wider scope, The Practical Handbook of Environmental Site Characterization and Ground-Water Monitoring, Second Edition provides an updated look at the field. Completely revised, the book contains so much new information that it has doubled in size. Containing the most up-to-date information available, this second edition emphasizes the practical application of current technology. It covers environmental site characterization and ground-water monitoring in great detail, from the federal regulations that govern environmental investigations, to the various direct and indirect methods of investigating and monitoring the subsurface, to the analysis and interpretation of complex sets of environmental data. Cheaper, better, faster was the mantra of the 1990s, resulting in more streamlined approaches to both environmental site characterization and ground-water monitoring, but also pitting the application of good science against the mandate to get a project done as quickly and inexpensively as possible. This book provides unbiased, technical discussions of the tremendously powerful tools developed in the last decade, helping environmental professionals strike a balance between good science and economics.

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[HISTORICAL FICTION](#) [HORROR](#) [LITERARY FICTION](#) [NON-FICTION](#) [SCIENCE FICTION](#)