

## National Radiology Tech Week 2014

Bringing together an international range of expertise, this comprehensive Companion to Technology Management is designed to facilitate the development of management frameworks adaptable for a wide range of organizations, as well as an overview of the development and integration of technology in advanced and emerging economies. Research-based and drawing on a range of practical tools and international cases, it covers the diverse spectrum of the challenges of technology management and how to approach them: I Fundamentals of Technology Management provides an overview of the fundamental aspects of technology management. II Technology Planning focusses on technology-driven organizations, government labs and universities. III Technology Evaluation includes evaluation and assessment, adoption and forecasting through management tools. IV Technology Development and Transfer includes integration, marketing and intellectual property management. V Managing Technological Innovations addresses policy, open innovation and technology entrepreneurship. VI Society and Technology Management focusses on social issues which impact technology and its management. VII New Technologies and Emerging Regions includes blockchain, biotechnologies and smart cities. This Companion is an essential comprehensive source of new and emerging approaches for researchers and advanced students in engineering and technology management, as well as professionals seeking an authoritative global reference source.

This book is a printed edition of the Special Issue "Imaging: Sensors and Technologies" that was published in Sensors

Covering every aspect of fetal heart examination and all major cardiac malformations, A Practical Guide to Fetal Echocardiography is widely acknowledged as the definitive text in this challenging field. This award-winning title clearly depicts examples of commonly seen abnormalities and day-to-day cases, as well as rare pathology. Authored by renowned experts, the fully updated fourth edition is a lavishly illustrated, easy-to-read text designed to serve as a comprehensive reference for all practitioners involved in cardiac imaging.

The purpose of these guidelines for investigating geologic hazards and preparing engineering-geology reports, is to provide recommendations for appropriate, minimum investigative techniques, standards, and report content to ensure adequate geologic site characterization and geologic-hazard investigations to protect public safety and facilitate risk reduction. Such investigations provide important information on site geologic conditions that may affect or be affected by development, as well as the type and severity of geologic hazards at a site, and recommend solutions to mitigate the effects and the cost of the hazards, both at the time of construction and over the life of the development. The accompanying suggested approach to geologic-hazard ordinances and school-site investigation guidelines are intended as an aid for land-use planning and regulation by local Utah jurisdictions and school districts, respectively. Geologic hazards that are not accounted for in project planning and design often result in additional unforeseen construction and/or future maintenance costs, and possible injury or death.

Fiscal Year 2015

A Practical Guide to Fetal Echocardiography

Recent Advances in Systems, Control and Information Technology

Image Analysis and Recognition

Digest of Legislation

More Human

More than 400 projections make it easier to learn anatomy, properly position the patient, set exposures, and take high-quality radiographs! With Merrill's Atlas of Radiographic Positioning & Procedures, 13th Edition, you will develop the skills to produce clear radiographic images to help physicians make accurate diagnoses. It separates anatomy and positioning information by bone groups or organ systems - using full-color illustrations to show anatomical anatomy, and CT scans and MRI images to help you learn cross-section anatomy. Written by radiologic imaging experts Bruce Long, Jeannean Hall Rollins, and Barbara Smith, Merrill's Atlas is not just the gold standard in radiographic positioning references, and the most widely used, but also an excellent review in preparing for ARRT and certification exams! UNIQUE! Collimation sizes and other key information are provided for each relevant projection. Comprehensive, full-color coverage of anatomy and positioning makes Merrill's Atlas the most in-depth text and reference available for radiography students and practitioners. Coverage of common and unique positioning procedures includes special chapters on trauma, surgical radiography, geriatrics/pediatrics, and bone densitometry, to help prepare you for the full scope of situations you will encounter. Numerous CT and MRI images enhance your comprehension of cross-sectional anatomy and help you prepare for the Registry examination. Bulleted lists provide clear instructions on how to correctly position the patient and body part when performing procedures. Summary tables provide quick access to projection overviews, guides to anatomy, pathology tables for bone groups and body systems, and exposure technique charts. Frequently performed projections are identified with a special icon to help you focus on what you need to know as an entry-level radiographer. NEW! Coverage of the latest advances in digital imaging also includes more digital radiographs with greater contrast resolution of pertinent anatomy. NEW positioning photos show current digital imaging equipment and technology. UPDATED coverage addresses contrast arthrography procedures, trauma radiography practices, plus current patient preparation, contrast media used, and the influence of digital technologies. UPDATED Pediatric Imaging chapter addresses care for the patient with autism, strategies for visit preparation, appropriate communication, and environmental considerations. UPDATED Mammography chapter reflects the evolution to digital mammography, as well as innovations in breast biopsy procedures. UPDATED Geriatric Radiography chapter describes how to care for the patient with Alzheimer's Disease and other related conditions.

In the United States, some populations suffer from far greater disparities in health than others. Those disparities are caused not only by fundamental differences in health status across segments of the population, but also because of inequities in factors that impact health status, so-called determinants of health. Only part of an individual's health status depends on his or her behavior and choice; community-wide problems like poverty, unemployment, poor education, inadequate housing, poor public transportation, interpersonal violence, and decaying neighborhoods also contribute to health inequities, as well as the historic and ongoing interplay of structures, policies, and norms that shape lives. When these factors are not optimal in a community, it does not mean they are intractable: such inequities can be mitigated by social policies that can shape health in powerful ways. Communities in Action: Pathways to Health Equity seeks to delineate the causes of and the solutions to health inequities in the United States. This report focuses on what communities can do to promote health equity, what actions are needed by the many and varied stakeholders that are part of communities or support them, as well as the root causes and structural barriers that need to be overcome.

This book constitutes the refereed proceedings of the 15th Conference on Image and Graphics Technologies and Applications, IGTA 2020, held in Beijing, China in September, 2020.\* The 24 papers presented were carefully reviewed and selected from 115 submissions. They provide a forum for sharing progresses in the areas of image processing technology; image analysis and understanding; computer vision and pattern recognition; big data mining, computer graphics and VR, as well as image technology applications. \*The conference was held virtually due to the COVID-19 pandemic.

Consistently rated as the best overall introduction to computer-based image processing, The Image Processing Handbook covers two-dimensional (2D) and three-dimensional (3D) imaging techniques, image printing and storage methods, image processing algorithms, image and feature measurement, quantitative image measurement analysis, and more. Incorporating image processing and analysis examples at all scales, from nano- to astro-, this Seventh Edition: Features a greater range of computationally intensive algorithms than previous versions Provides better organization, more quantitative results, and new material on recent developments Includes completely rewritten chapters on 3D imaging and a thoroughly revamped chapter on statistical analysis Contains more than 1700 references to theory, methods, and applications in a wide variety of disciplines Presents 500+ entirely new figures and images, with more than two-thirds appearing in color The Image Processing Handbook, Seventh Edition delivers an accessible and up-to-date treatment of image processing, offering broad coverage and comparison of algorithms, approaches, and outcomes.

Practice in Context

Driving Demand

Imaging: Sensors and Technologies

Image and Graphics Technologies and Applications

Holidays and Observances for the US, UK, Canada, Australia & Chinese Markets

Merrill's Atlas of Radiographic Positioning and Procedures

This book explores the future of cyber technologies and cyber operations which will influence advances in social media, cyber security, cyber physical systems, ethics, law, media, economics, infrastructure, military operations and other elements of societal interaction in the upcoming decades. It provides a review of future disruptive technologies and innovations in cyber security. It also serves as a resource for wargame planning and provides a strategic vision of the future direction of cyber operations. It informs military strategist about the future of cyber warfare. Written by leading experts in the field, chapters explore how future technical innovations vastly increase the interconnectivity of our physical and social systems and the growing need for resiliency in this vast and dynamic cyber infrastructure. The future of social media, autonomy, stateless finance, quantum information systems, the internet of things, the dark web, space satellite operations, and global network connectivity is explored along with the transformation of the legal and ethical considerations which surround them. The international challenges of cyber alliances, capabilities, and interoperability is challenged with the growing need for new laws, international oversight, and regulation which informs cybersecurity studies. The authors have a multi-disciplinary scope arranged in a big-picture framework, allowing both deep exploration of important topics and high level understanding of the topic. Evolution of Cyber Technologies and Operations to 2035 is as an excellent reference for professionals and researchers working in the security field, or as government and military workers, economics, law and more. Students will also find this book useful as a reference guide or secondary text book.

This unique text engages students in learning about public health and health policy through a study of current controversies. The textbook uses a structured format to examine each controversy, with discussion questions, and additional learning resources. Many issues connect public health and health care, an important perspective given the Patient Protection and Affordable Care Act and health system changes at the state level. To get to the root of the issue, the authors provide a "clinical change" and more. -- Publisher.

Cyclic nucleotides control a number of neuronal properties including neuronal differentiation, pathfinding, regulation of excitability and synaptic transmission, and control of gene expression. Signaling events mediated by cAMP or cGMP are transient and take place within the complex 3-dimensional structure of the neuronal cell. Signaling events happen on the time scale of seconds to minutes and the biological significance of the temporal dimension remains poorly understood. Structural features of neurons (dendritic spines and branches, cell body, nucleus, axon...) as well as ARAPs and other scaffolding proteins that keep signaling enzymes together and form "signaling microdomains", are critical spatial determinants of signal integration. Finally, the types of enzymes involved in signal integration, which are expressed as a number of different types and splice variants, yield another dimension that determines signal integration properties. Biosensor imaging provides direct temporal and spatial measurement of intracellular signals. This novel approach, together with more conventional methods such as biochemistry, electrophysiology, and modeling, now provide a better understanding of the spatial and temporal features of cyclic nucleotide signal integration in living neurons. This topic aims at providing a better understanding of how neurons are "making sense" of cyclic nucleotide signaling in living neurons.

This book presents the proceedings of the International Conference on Systems, Control and Information Technologies 2016. It includes research findings from leading experts in the fields connected with INDUSTRY 4.0 and its implementation, especially: intelligent systems, advanced control, information technologies, industrial automation, robotics, intelligent sensors, metrology and new materials. Each chapter offers an analysis of a specific technical problem followed by a numerical analysis and simulation as well as the implementation for the solution of a real-world problem.

Occupational Outlook Handbook

Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations for 2016

Exploring the Dimensions of Human Sexuality

An Assessment of the National Institute of Standards and Technology Physical Measurement Laboratory

Personalized Medicine and Neurosurgery

3,800+ Holidays, Promotions, Events for 2014 in the United States, United Kingdom, Canadian, Australian and Chinese Markets. The 2014 LEEP features over 3,800 dates in over 53 categories arranged alphabetically (with source URL), chronologically and by length. This calendar of holidays and events for 2014 includes National, Promotional, Industry and International Events, Federal Holidays, Major Sporting Events and industry specific promotions. The LEEP Calendar is the invaluable time-saving, idea generating, revenue building business reference tool that provides exceptional marketers, publishers and journalists a quantifiable critical advantage over the competition. Created by a marketing and publishing industry veteran for: Advertising Executives Authors Bloggers Business Networkers Business Owners Editors Educators Event Planners Journalists Marketing Executives Media Planners Media Sales Reps Promotional Products Retailers Public Relations Publicists Publishers Retail Executives Sales Executives Social Media Marketers and anyone who is curious!

The Congressional Record is the official record of the proceedings and debates of the United States Congress. It is published daily when Congress is in session. The Congressional Record began publication in 1873. Debates for sessions prior to 1873 are recorded in The Debates and Proceedings in the Congress of the United States (1789-1824), the Register of Debates in Congress (1824-1837), and the Congressional Globe (1833-1873)

Diagnostic Ultrasound Imaging provides a unified description of the physical principles of ultrasound imaging, signal processing, systems and measurements. This comprehensive reference is a core resource for both graduate students and engineers in medical ultrasound research and design. With continuing rapid technological development of ultrasound in medical diagnosis, it is a critical subject for biomedical engineers, clinical and healthcare engineers and practitioners, medical physicists, and related professionals in the fields of signal and image processing. The book contains 17 new and updated chapters covering the fundamentals and latest advances in the area, and includes four appendices, 450 figures (60 available in color on the companion website), and almost 1,500 references. In addition to the continual influx of readers entering the field of ultrasound worldwide who need the broad grounding in the core technologies of ultrasound, this book provides those already working in these areas with clear and comprehensive expositions of these key new topics as well as introductions to state-of-the-art innovations in this field. Enables practicing engineers, students and clinical professionals to understand the essential physics and signal processing techniques behind modern imaging systems as well as introducing the latest developments that will shape medical ultrasound in the future Suitable for both newcomers and experienced readers, the practical, progressively organized applied approach is supported by hands-on MATLAB® code and worked examples that enable readers to understand the principles underlying diagnostic and therapeutic ultrasound Covers the new important developments in the use of medical ultrasound: elastography and high-intensity therapeutic ultrasound. Many new developments are comprehensively reviewed and explained, including aberration correction, acoustic measurements, acoustic radiation force imaging, alternate imaging architectures, bioeffects: diagnostic to therapeutic, Fourier transform imaging, multimode imaging, plane wave compounding, research platforms, synthetic aperture, vector Doppler, transient shear wave elastography, ultrafast imaging and Doppler, functional ultrasound and viscoelastic models

Basis of the U.S. Health Care System, Third Edition provides students with a broad, fundamental introduction to the workings of the healthcare industry. Engaging and activities-oriented, the text offers an especially accessible overview of the major concepts of healthcare operations, the role of government, public and private financing, as well as ethical and legal issues. Each chapter features review exercises and Web resources that make studying this complex industry both enjoyable and easy. Students of various disciplines—including healthcare administration, business, nursing, public health, and others—will discover a practical guide that prepares them for professional opportunities in this rapidly growing sector.

Communities in Action

Nuclear Non-proliferation and Arms Control Verification

Proceedings and Debates of the ... Congress

Basic Student Charges at Postsecondary Institutions

Innovative Government in Southeast Asia and Japan

Digital Transformation and Institutional Theory

Fully revised and updated with the latest data in the field, the Sixth Edition of Exploring the Dimensions of Human Sexuality represents all aspects of human sexuality and explores how it affects personality, development, and decision making. Using a student-friendly interpersonal approach, the text discusses contemporary concepts as well as controversial topics in a sensitive manner, and covers the physiological, biological, psychological, spiritual, and cultural dimensions of human sexuality. Exploring the Dimensions of Human Sexuality is an essential text for teaching sexuality and presents an integrated view of human sexuality that encourages students to pursue positive decisions, sexual health, and a lifetime of wellness.

The Precision Medicine Initiative, which was instituted by President Barack Obama on January 20, 2015, highlighted the importance that advances in genomics and related " -omic " approaches have made to science and medicine, and it set the stage for their federally funded and mandated integration into the delivery of health care. Whether these advances comprise large-scale approaches, such as The Cancer Genome Atlas, which provides a modern classification of cancers based on molecular profiles, or genealogy initiatives, which seek to trace the movement of our early ancestors out of Africa, genomic technology has taken us closer to developing targeted therapies and a refined understanding of our evolutionary journey. It is against this backdrop that we summarized some of the recent advances in the field of precision medicine, or personalized medicine, as they pertain to neurosurgery. In this e-Book collection provided by Frontiers in Surgery: Neurosurgery, we present a collection of articles by leaders in the field of neurosurgery that highlight domains using a personalized approach for the treatment of patients or avenues when personalization is possible and when it will likely alter the care of patients with neurological diseases.

The first edition of Skills for Midwifery Practice Australia and New Zealand edition builds of the success of the highly regarded Skills for Midwifery Practice by Ruth Johnson and Wendy Taylor, now in its fourth edition. Endorsed by the Australian College of Midwives, this text provides instruction and guidance on more than 100 clinical skills for midwifery students and midwives who wish to perfect their practice. Each clinical skill is presented logically in a step-by-step format, providing a clear sequencing of information. Theory and evidence precedes each skill to thoroughly explain the underlying physiology of the scenarios encountered in midwifery practice. Woman-centred approach Structured to follow the logical progression from pregnancy through to labour and birth, and finally to postnatal care Australian and New Zealand guidelines, policies, standards, statistics, terminology and cultural considerations are included throughout Now includes an eBook with all print purchases

This book covers three main types of agricultural systems: the use of robotics, drones (unmanned aerial vehicles), and satellite-guided precision farming methods. Some of these are well refined and are currently in use, while others are in need of refinement and are yet to become popular. The book provides a valuable source of information on this developing field for those involved with agriculture and farming and agricultural engineering. The book is also applicable as a textbook for students and a reference for faculty.

Proceedings of the International Conference SCIT 2016, May 20-21, 2016, Warsaw, Poland

Designing a World Where People Come First

15th International Conference, ICIAR 2018, P ó voa de Varzim, Portugal, June 27 – 29, 2018, Proceedings

Global Challenges in Radiation Oncology

2014 LEEP Event, Editorial & Promotional Calendar

Knowledge Creation in Public Administrations

Social Work in Health Settings: Practice in Context maintains its use of the Practice in Context (PIC) decision-making framework to explore a wide range of social work practice sites, settings and populations over 30 case chapters. Fully updated to reflect the landscape of health care provision in the US since the Affordable Care Act was passed, the cases are grounded by " primer " chapters to illustrate the necessary decisional and foundational skills for best practices in social work in health settings. The cases cover working with both individuals and groups of clients across the life course and the PIC framework helps maintain focus on each of the practice decisions a social worker must make when working with a variety of clients from military veterans to HIV positive children. The ideal textbook for social work in health care and clinical social work classes, this thought-provoking volume thoroughly integrates social work theory and practice, and provides an excellent opportunity for understanding particular techniques and interventions.

This volume contains two Open Access chapters. Digital Transformation and Institutional Theory explores how manifestations of digital transformation requires rethinking of our understanding and theorization of institutional processes.

In the United States, much of the research is focused on developing new and very expensive technologies and drugs - often without a major therapeutic benefit. In resource limited countries, basic oncology care is frequently lacking. In addition, the benefits of various chemo-radiotherapy combinations for a number of malignancies are unknown as these populations have not been adequately investigated. For oncologists in these countries who have marginal to adequate resources, accrual to clinical trials is virtually non-existent to minimal, due to the complexities of their population and competing co-morbidities. As a result, there is a tremendous disparity in treatment outcomes for these populations, compared to those in developed countries. Therefore, we have asked a number of oncologists from different parts of the world to report their experience. Topics that will be covered include locally advanced breast and cervical cancer (India, South Africa), human resources for cancer control in India, systematic review of radiation resources in low and middle income countries, planning national radiotherapy services, building sustainable partnerships through the newly formed ICEC (International Cancer Export Corps), cancer disparities among American Indians, and training radiation oncologists in these under served parts of the world. Authors will discuss "lessons learned" from their populations, practical suggestions to address these disparities, and how we as a global oncology community can address, and mitigate these global challenges. The editorial by Dr. Coleman and myself highlights the invaluable contributions from our global contributors. Thank you for taking the time to read this special issue on global cancer disparities. We are all energized to begin addressing the needs of our cancer patients worldwide. Carlos Hidalgo provides a clear roadmap and framework on how B2B organizations can implement change management and transform their Demand Generation. Case studies and excerpts from B2B marketing practitioners and ANNUITAS clients who have transformed their organizations and how they accomplished this change are incorporated throughout the book.

Evolution of Cyber Technologies and Operations to 2035

Diagnostic Ultrasound Imaging: Inside Out

Innovative Systems Concepts

Normal and Abnormal Hearts

Basis of the U.S. Health Care System

Pathways to Health Equity

Over the last thirty years or so, there have been tremendous advancements in the area of geospatial health; however, somehow, two aspects have not received as much attention as they should have received. These are a) limitations of different spatial analytical tools and b) progress in making geospatial environmental exposure data available for advanced health science research and for medical practice. This edited volume addresses those two less explored areas of geospatial health with augmented discussions on the theories, methodologies and limitations of contemporary geospatial technologies in a wide range of applications related to human well-being and health. In 20 chapters, readers are presented with an up-to-date assessment of geospatial technologies with an emphasis on understanding general geospatial principles and methodologies that are often overlooked in the research literature. As a result, this book will be of interest to both newcomers and experts in geospatial analysis and will appeal to students and researchers engaged in studying human well-being and health. Chapters are presenting new concepts, new analytical methods and contemporary applications within the framework of geospatial applications in human well-being and health. The topics addressed by the various chapter authors include analytical approaches, newer areas of geospatial health application, introduction to unique resources, geospatial modeling, and environmental pollution assessments for air, water and soil. Although geospatial experts are expected to be the primary readers, this book is designed in such a way so that the public health professionals, environmental health scientists and clinicians also find it useful with or without any familiarity with geospatial analysis.

People feel angry and let down by their leaders, as well as by the institutions that dominate their lives: political parties, government bureaucracy, and corporations. Yet the cause of this malaise, according to political - advisor -- turned -- tech -- CEO Steve Hilton, is not being addressed by politicians on the left or the right. Hilton argues that much of our daily experience -- from the food we eat, to the governments we elect, to the economy on which our wealth depends, to the way we care for our health and well -- being -- has become too big, too bureaucratic, and too distant from the human scale. More Human sets out a radical manifesto for change, aimed at the root causes of our problems rather than just the symptoms. Whether it's using the latest advances in neuroscience to inform the fight against poverty and inequality, or applying lessons from America's most radical schools to transform our children's education, this book is an agenda for rethinking and redesigning the outdated systems and structures of our politics, government, economy, and society to make them more suited to the way we want to live our lives today. To make them more human.

The Physical Measurement Laboratory (PML) at the National Institute of Standards and Technology (NIST) is dedicated to three fundamental and complementary tasks: (1) increase the accuracy of our knowledge of the physical parameters that are the foundation of our technology-driven society; (2) disseminate technologies by which these physical parameters can be accessed in a standardized way by the stakeholders; and (3) conduct research at both fundamental and applied levels to provide knowledge that may eventually lead to advances in measurement approaches and standards. This report assesses the scientific and technical work performed by the PML and identifies salient examples of accomplishments, challenges, and opportunities for improvement for each of its nine divisions.

We live on a dynamic Earth shaped by both natural processes and the impacts of humans on their environment. It is in our collective interest to observe and understand our planet, and to predict future behavior to the extent possible, in order to effectively manage resources, successfully respond to threats from natural and human-induced environmental change, and capitalize on the opportunities à €" social, economic, security, and more à €" that such knowledge can bring. By continuously monitoring and exploring Earth, developing a deep understanding of its evolving behavior, and characterizing the processes that shape and reshape the environment in which we live, we not only advance knowledge and basic discovery about our planet, but we further develop the foundation upon which benefits to society are built. Thriving on Our Changing Planet presents prioritized science, applications, and observations, along with related strategic and programmatic guidance, to support the U.S. civil space Earth observation program over the coming decade.

The Routledge Companion to Technology Management

Molybdenum-99 for Medical Imaging

A Decadal Strategy for Earth Observation from Space

Social Work in Health Settings

Resources for Optimal Care of the Injured Patient

Push Button Agriculture

This book strives to take stock of current achievements and existing challenges in nuclear verification, identify the available information and gaps that can act as drivers for exploring new approaches to verification strategies and technologies. With the practical application of the systems concept to nuclear disarmament scenarios and other, non-nuclear verification fields, it investigates, where greater transparency and confidence could be achieved in pursuit of new national or international nonproliferation and arms reduction efforts. A final discussion looks at how, in the absence of formal government-to-government negotiations, experts can take practical steps to advance the technical development of these concepts.

The digital age has presented an exponential growth in the amount of data available to individuals looking to draw conclusions based on given or collected information across industries. Challenges associated with the analysis, security, sharing, storage, and visualization of large and complex data sets continue to plague data scientists and analysts alike as traditional data processing applications struggle to adequately manage big data. The Handbook of Research on Big Data Storage and Visualization Techniques is a critical scholarly resource that explores big data analytics and technologies and their role in developing a broad understanding of issues pertaining to the use of big data in multidisciplinary fields. Featuring coverage on a broad range of topics, such as architecture patterns, programing systems, and computational energy, this publication is geared towards professionals, researchers, and students seeking current research and application topics on the subject.

This book constitutes the thoroughly refereed proceedings of the 15th International Conference on Image Analysis and Recognition, ICIAR 2018, held in P ó voa de Varzim, Portugal, in June 2018. The 91 full papers presented together with 15 short papers were carefully reviewed and selected from 179 submissions. The papers are organized in the following topical sections: Enhancement, Restoration and Reconstruction, Image Segmentation, Detection, Classification and Recognition, Indexing and Retrieval, Computer Vision, Activity Recognition, Traffic and Surveillance, Applications, Biomedical Image Analysis, Diagnosis and Screening of Ophthalmic Diseases, and Challenge on Breast Cancer Histology Images.

This book presents a new paradigm of innovative governments in Asia, at the municipal, regional and national levels, based on the knowledge creation theory in management, and leading to organizational transformation and policy reform in public administration. Focusing on Indonesia, the Philippines, Thailand, Vietnam, and Japan, the book is based on the findings of a joint research project established to identify the factors that impact the effectiveness or performance of public administration by applying the knowledge-based management theory that originates in private sectors to public sector management.

Hearings Before a Subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Fourteenth Congress, First Session

3-Volumes Set

The Complete Business Directory of Products and Services for the Audio/Video Industry

Geospatial Technology for Human Well-Being and Health

2016GUIDELINES FOR INVESTIGATING GEOLOGIC HAZARDS AND PREPARING ENGINEERING-GEOLGY REPORTS, WITH A SUGGESTED APPROACH TO GEOLOGIC-HAZARD ORDINANCES IN UTAH

Robotics, Drones, Satellite-Guided Soil and Crop Management

The decay product of the medical isotope molybdenum-99 (Mo-99), technetium-99m (Tc-99m), and associated medical isotopes iodine-131 (I-131) and xenon-133 (Xe-133) are used worldwide for medical diagnostic imaging or therapy. The United States consumes about half of the world's supply of Mo-99, but there has been no domestic (i.e., U.S.-based) production of this isotope since the late 1980s. The United States imports Mo-99 for domestic use from Australia, Canada, Europe, and South Africa. Mo-99 and Tc-99m cannot be stockpiled for use because of their short half-lives. Consequently, they must be routinely produced and delivered to medical imaging centers. Almost all Mo-99 for medical use is produced by irradiating highly enriched uranium (HEU) targets in research reactors, several of which are over 50 years old and are approaching the end of their operating lives. Unanticipated and extended shutdowns of some of these old reactors have resulted in severe Mo-99 supply shortages in the United States and other countries. Some of these shortages have disrupted the delivery of medical care. Molybdenum-99 for Medical Imaging examines the production and utilization of Mo-99 and associated medical isotopes, and provides recommendations for medical use.

Thriving on Our Changing Planet

Transforming B2B Marketing to Meet the Needs of the Modern Buyer

15th Chinese Conference, IGTA 2020, Beijing, China, September 19, 2020, Revised Selected Papers

Handbook of Research on Big Data Storage and Visualization Techniques

Skills for Midwifery Practice Australia & New Zealand edition

Congressional Record