Philips Brilliance Ct 64 Service Manual

Professional resume and cover letter writers reveal their inside secrets for creating phenomenal cover letters that get attention and land interviews. Features more than 150 sample cover letters written for all types of job seekers, including the Before-and-After transformations that can make boring letters fabulous.

This book is a comprehensive and richly-illustrated guide to cardiac CT, its current state, applications, and future directions. While the first edition of this text focused on what was then a novel instrument looking for application, this edition comes at a time where a wealth of guideline-driven, robust, and beneficial clinical applications have evolved that are enabled by an enormous and ever growing field of technology. Accordingly, the focus of the text has shifted from a technology-centric to a more patient-centric appraisal. While the specifications and capabilities of the CT system itself remain front and center as the basis for diagnostic success, much of the benefit derived from cardiac CT today comes from avant-garde technologies enabling enhanced visualization, quantitative imaging, and functional assessment, along with exciting deep learning, and artificial intelligence applications. Cardiac CT is no longer a mere tool for non-invasive coronary artery stenosis detection in the chest pain diagnostic algorithms; cardiac CT has proven its value for uses as diverse as personalized cardiovascular risk stratification, prediction, and management, diagnosing lesion-specific ischemia, guiding minimally invasive structural heart disease therapy, and planning cardiovascular surgery, among many others. This second edition is an authoritative guide and reference for both novices and experts in the medical imaging sciences who have an interest in cardiac CT.

This book demonstrates how the theories and insights of anthropology have positively influenced the conduct of global business and commerce, providing a foundation for understanding the impact of culture on global business, and global business on culture.

Computed tomography (CT) is a powerful technique providing precise and confident diagnoses. The burgeoning use of CT has resulted in an exponential increase in collective radiation dose to the population. Despite investigations supporting the use of lower radiation doses, surveys highlight the lack of proper understanding of CT parameters that affect radiation dose. Dynamic advances in CT technology also make it important to explain the latest dose-saving strategies in an easy-to-comprehend manner. This book aims to review all aspects of the radiation dose from CT and to provide simple rules and tricks for radiologists and radiographers that will assist in the appropriate use of CT technique. The second edition includes a number of new chapters on the most up-to-date strategies and technologies for radiation dose reduction while updating the outstanding contents of the first edition. Vendor perspectives are included, and an online image gallery will also be available to readers.

A History of Intelligence
Drug-Coated Balloons
Cover Letter Magic
Multislice CT
CT of the Heart
When Scotland Was Jewish

Facilitating Interdisciplinary Research examines current interdisciplinary research efforts and recommends ways to stimulate and support s research. Advances in science and engineering increasingly require the collaboration of scholars from various fields. This shift is driven by need to address complex problems that cut across traditional disciplines, and the capacity of new technologies to both transform existing disciplines and generate new ones. At the same time, however, interdisciplinary research can be impeded by policies on hiring, promotion, tenure, proposal review, and resource allocation that favor traditional disciplines. This report identifies steps that researchers, teachers, students, institutions, funding organizations, and disciplinary societies can take to more effectively conduct, facilitate, and evaluate interdisciplinary research programs and projects. Throughout the report key concepts are illustrated with case studies and results of the committee's surveys of individual researchers and university provosts.

Each issue includes separate but continuously paged sections called: Nuclear medicine, and: Ultrasound

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 f color illustrations to show anatomical anatomy, and CT scans and MRI images to help you learn cross-section anatomy. Written by radiolog 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 h 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 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.

The popular image of Scotland is dominated by widely recognized elements of Celtic culture. But a significant non–Celtic influence on Scotland’s history has been largely ignored for centuries? This book argues that much of Scotland’s history and culture from 1100 forward i Jewish. The authors provide evidence that many of the national heroes, villains, rulers, nobles, traders, merchants, bishops, guild members burgesses, and ministers of Scotland were of Jewish descent, their ancestors originating in France and Spain. Much of the traditional histor

account of Scotland, it is proposed, rests on fundamental interpretive errors, perpetuated in order to affirm Scotland's identity as a Celtic, Christian society. A more accurate and profound understanding of Scottish history has thus been buried. The authors' wide-ranging researc includes examination of census records, archaeological artifacts, castle carvings, cemetery inscriptions, religious seals, coinage, burgess a guild member rolls, noble genealogies, family crests, portraiture, and geographic place names.

The Independent Guide to IBM-standard Personal Computing

Unconventional Warfare (Special Forces, Book 1)

Radiation Oncology Physics

Merrill's Atlas of Radiographic Positioning and Procedures - E-Book

Merrill's Atlas of Radiographic Positioning and Procedures - 3-Volume Set - E-Book

Trade Secrets of Professional Resumé Writers

This book provides a comprehensive review of CT Virtual Hysterosalpingography, a new non-invasive diagnostic technique that allows the evaluation of the entire gynecologic tract in a single study, by combining the benefits of hysterosalpingography (HSG) with multidetector Computed Tomography (CT). The addition of 64-row CT scanners with HSG has significantly improved visualization and assessment of the uterine cavity and fallopian tubes and allows for the diagnosis of polyps, myomas, uterine anomalies and tubal pathology with a high degree of accuracy. CT Virtual Hysterosalpingography is written and edited by the leaders in the field and covers all aspects of the technique, from its origin and technical principles through to descriptions of the normal anatomy and most common pathologies. This will be an essential text for Gynecologists, Infertility Specialists, Radiologists and Reproductive Endocrinologists who would want to learn about this technique and how it can be implemented in their practice.

The fifth edition of this respected book encompasses all the advances and changes that have been made since it was last revised. It not only presents new ideas and information, it shifts its emphases to accurately reflect the inevitably changing perspectives in the field engendered by progress in the understanding of radiological physics. The rapid development of computing technology in the three decades since the publication of the fourth edition has enabled the equally rapid expansion of radiology, radiation oncology, nuclear medicine and radiobiology. The understanding of these clinical disciplines is dependent on an appreciation of the underlying physics. The basic radiation physics of relevance to clinical oncology, radiology and nuclear medicine has undergone little change over the last 70 years, so much of the material in the introductory chapters retains the essential flavour of the fourth edition, updated as required. This book is written to help the practitioners in these fields understand the physical science, as well as to serve as a basic tool for physics students who intend working as medical radiation physicists in these clinical fields. It is the authors' hope that students and practitioners alike will find the fifth edition of The Physics of Radiology lucid and straightforward.

Issues in Applied Physics / 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Applied Physics. The editors have built Issues in Applied Physics: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Applied Physics in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Applied Physics: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

This book provides a complete overview of imaging of normal and diseased temporal bone. After description of indications for imaging and the cross-sectional imaging anatomy of the area, subsequent chapters address the various diseases and conditions that affect the temporal bone and are likely to be encountered regularly in clinical practice. The classic imaging methods are described and discussed in detail, and individual chapters are included on newer techniques such as functional imaging and diffusion-weighted imaging. There is also a strong focus on postoperative imaging. Throughout, imaging findings are documented with the aid of numerous informative, high-quality illustrations. Temporal Bone Imaging, with its straightforward structure based essentially on topography, will prove of immense value in daily practice.

The Cultural Dimension of Global Business (1-download)

The Popol Vuh

Spiral and Multislice Computed Tomography of the Body

Radiation Dose from Multidetector CT

PC World

Technology and Applications

Perfect your positioning skills with the leading radiography text and clinical reference! Merrill's Atlas of Radiographic Positioning & Procedures, 15th Edition helps you learn to position patients properly, set exposures, and produce the clear radiographs needed to make accurate diagnoses. Guidelines to both common and uncommon projections prepare you for every kind of patient encounter. Anatomy and positioning information is organized by bone group or organ system, and coverage of special imaging modalities includes CT, MRI, sonography, radiation therapy, and more. Written by noted educators Jeannean Hall Rollins, Bruce Long, and Tammy Curtis, Merrill's Atlas is not just the gold standard in imaging — it also prepares you for the ARRT exam! 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. Guidelines to each projection include a photograph of a properly positioned patient and information on patient position, part position, central ray angulation, collimation, KVp values, and evaluation criteria. Diagnostic-quality radiograph for each projection demonstrates the result the radiographer is trying to achieve. Coverage of common and unique positioning procedures includes 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 comprehension of cross-sectional anatomy and help in preparing for the Registry examination. Frequently requested projections are identified with a special icon to help you focus on what you need to know as an entry-level radiographer. Image receptor and collimation sizes plus other key information are provided for each relevant projection. 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. NEW! Updated content reflects the advances and continuing evolution of digital imaging technology. NEW! Revised positioning techniques reflect the latest American Society of Radiologic Technologists (ASRT) standards, and include photos of current digital imaging for the lower limb, scoliosis, pain management, and the swallowing dysfunction. NEW! Added digital radiographs provide greater contrast resolution for improved visualization of pertinent anatomy.

An analysis of the invasion of our personal lives by logo-promoting, powerful corporations combines muckraking journalism with contemporary memoir to discuss current consumer culture

Issues in Applied Physics: 2011 EditionScholarlyEditions

This publication is aimed at students and teachers involved in teaching programmes in field of medical radiation physics, and it covers the basic medical

physics knowledge required in the form of a syllabus for modern radiation oncology. The information will be useful to those preparing for professional certification exams in radiation oncology, medical physics, dosimetry or radiotherapy technology.

Spectral, Photon Counting Computed Tomography

3-Volume Set

Faulty Hearts

Healthcare Operations Management

PC Magazine

A Conceptual Introduction

The author of Race for Profit carries out “[a] searching examination of the social, political and economic dimensions of the prevailing racial order” (Michelle Alexander, author of The New Jim Crow). In this winner of the Lannan Cultural Freedom Prize for an Especially Notable Book, Keeanga-Yamahtta Taylor “not only exposes the canard of color-blindness but reveals how structural racism and class oppression are joined at the hip” (Robin D. G. Kelley, author of Freedom Dreams). The eruption of mass protests in the wake of the police murders of Michael Brown in Ferguson, Missouri, and Eric Garner in New York City have challenged the impunity with which officers of the law carry out violence against black people and punctured the illusion of a post-racial America. The Black Lives Matter movement has awakened a new generation of activists. In this stirring and insightful analysis, activist and scholar Keeanga-Yamahtta Taylor surveys the historical and contemporary ravages of racism and the persistence of structural inequality, such as mass incarceration and black unemployment. In this context, she argues that this new struggle against police violence holds the potential to reignite a broader push for black liberation. “This brilliant book is the best analysis we have of the #BlackLivesMatter moment of the long struggle for freedom in America. Keeanga-Yamahtta Taylor has emerged as the most sophisticated and courageous radical intellectual of her generation.” —Dr. Cornel West, author of Race Matters “A must read for everyone who is serious about the ongoing praxis of freedom.” —Barbara Ransby, author of Ella Baker and the Black Freedom Movement “[A] penetrating, vital analysis of race and class at this critical moment in America’s racial history.” —Gary Younge, author of The Speech: The Story Behind Dr. Martin Luther King Jr.'s Dream

An up-to-date, superbly illustrated practical guide to the effective use of neuroimaging in the patient with sleep disorders. The only book to date to provide comprehensive coverage of this topic. A must for all healthcare workers interested in understanding the causes, consequences and treatment of sleep disorders.

Spectral, Photon Counting Computed Tomography is a comprehensive cover of the latest developments in the most prevalent imaging modality (x-ray computed tomography (CT)) in its latest incarnation: Spectral, Dual-Energy, and Photon Counting CT. Disadvantages of the conventional single-energy technique used by CT technology are that different materials cannot be distinguished and that the noise is larger. To address these problems, a novel spectral CT concept has been proposed. Spectral Dual-Energy CT (DE-CT) acquires two sets of spectral data, and Spectral Photon Counting CT (PC-CT) detects energy of x-ray photons to reveal additional material information of objects by using novel energy-sensitive, photon-counting detectors. The K-edge imaging may be a gateway for functional or molecular CT. The book covers detectors and electronics, image reconstruction methods, image quality assessments, a simulation tool, nanoparticle contrast agents, and clinical applications for spectral CT.

The fourth edition of this well-received book offers a comprehensive update on recent developments and trends in the clinical and scientific applications of multislice computed tomography. Following an initial section on the most significant current technical aspects and issues, detailed information is provided on a comprehensive range of diagnostic applications. Imaging of the head and neck, the cardiovascular system, the abdomen, and the lungs is covered in depth, describing the application of multislice CT in a variety of tumors and other pathologies. Emerging fields such as pediatric imaging and CT-guided interventions are fully addressed, and emergency CT is also covered. Radiation exposure, dual-energy imaging, contrast enhancement, image postprocessing, CT perfusion imaging, and CT angiography all receive close attention. The new edition has been comprehensively revised and complemented by contributions from highly experienced and well-known authors who offer diverse perspectives, highlighting the possibilities offered by the most modern multidetector CT systems. This book will be particularly useful for general users of CT systems who wish to upgrade and enhance not only their machines but also their knowledge.

Neuroimaging of Sleep and Sleep Disorders

From #BlackLivesMatter to Black Liberation

CT- and MR-Guided Interventions in Radiology

Temporal Bone Imaging

No Logo

Pediatric MRI

"All the sizzle, chaos, noise and scariness of war is clay in the hands of ace storyteller Lynch." -- Kirkus Reviews for the World War II series Discover the secret missions behind America's greatest conflicts.Fergus Frew thought he knew what to expect when he signed up with the Navy's demolitions team. But as the Korean War rages on, Fergus and his fellow divers -- AKA "frogmen" -- are tasked with more than just scouting mudflats. Soon they're planting mines. And sabotaging tunnels, bridges... and even fishing nets. Strangest of all, it falls to Fergus to transport a spy into the country -- and that means traveling far from Navy-controlled waters.But frogmen are amphibious. And Fergus may not realize it, but he's in a position to change the way the whole world thinks about combat.National Book Award finalist Chris Lynch continues his explosive fiction series based on the real-life, top-secret history of US black ops and today's heroic Navy SEALs.

This open access book gives a complete and comprehensive introduction to the fields of medical imaging systems, as

designed for a broad range of applications. The authors of the book first explain the foundations of system theory and image processing, before highlighting several modalities in a dedicated chapter. The initial focus is on modalities that are closely related to traditional camera systems such as endoscopy and microscopy. This is followed by more complex image formation processes: magnetic resonance imaging, X-ray projection imaging, computed tomography, X-ray phase-contrast imaging, nuclear imaging, ultrasound, and optical coherence tomography.

Interventional radiology is an indispensable and still expanding area of modern medicine that encompasses numerous diagnostic and therapeutic procedures. The revised and extended second edition of this volume covers a broad range of non-vascular interventions guided by CT or MR imaging. Indications, materials, techniques, and results are all carefully discussed. A particularly comprehensive section is devoted to interventional oncology as the most rapidly growing branch of interventional radiology. In addition, detailed information is provided that will assist in establishing and developing an interventional service. This richly illustrated book will be a most valuable source of information and guidance for all radiologists who deal with non-vascular procedures.

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.

A Handbook for Teachers and Students

Minesweeper (Special Forces, Book 2)

Decision Support in Clinical Practice for Stroke: Clinician Experiences and Expectations

Techniques and Applications

An Introductory Guide

Taking Aim at the Brand Bullies

This book provides a comprehensive, up-to-date summary of drug-coated balloon (DCB) technology and the role of DCBs in the treatment of coronary and peripheral arterial disease. In addition to clear explanation of how DCBs works, readers will find an enlightening analysis of the mistakes and successes of the past decade and the emergence of the latest delivery systems, which combine a more deliverable device with much improved drug delivery to the vessel wall. The full range of current applications of DCBs are reviewed in detail, drawing on the latest scientific evidence. Due attention is paid to newer devices, with provision of technical insights and documentation of the available clinical data. Ongoing research projects, remaining technical challenges, likely future directions, and reimbursement issues are also carefully considered. This book will be a useful tool for any interventional cardiologist, interventional radiologist, or vascular surgeon who wishes to acquire a deep knowledge of this technology and its application in both coronary and peripheral interventions.

Discover the secret missions behind America's greatest conflicts. Danny Manion has been fighting his entire life. Sometimes with his fists. Sometimes with his words. But when his actions finally land him in real trouble, he can't fight the judge who offers him a choice: jail... or the army. Turns out there's a perfect place for him in the US military: the Studies and Observation Group (SOG), an elite volunteer-only task force comprised of US Air Force Commandos, Army Green Berets, Navy SEALS, and even a CIA agent or two. With the SOG's focus on covert action and psychological warfare, Danny is guaranteed an unusual tour of duty, and a hugely dangerous one. Fortunately, the very same qualities that got him in trouble at home make him a natural-born commando in a secret war. Even if almost nobody knows he's there. National Book Award finalist Chris Lynch begins a new, explosive fiction series based on the real-life, top-secret history of US black ops.

• A woman with with a faulty heart muscle receives an electrical device that keeps her blood pumping. Months later, her heart is strong enough to pump on its own. • A man with a heart too weak to beat properly undergoes a heart transplant.

• Doctors invent a thumb-sized pump that brings the reality of an artificial heart one step closer. That’s powerful medicine! Explore the power of medicine through the true stories of people who survived life-threatening heart problems. Find out how doctors use the latest medical breakthroughs to save patients with weak or damaged hearts. You’ll also learn tips for heart health, as well as fascinating facts about the heart’s different sections and how they aid the body.
Chronic liver failure is a frequent condition in clinical practice that encompasses all manifestations of patients with end-stage liver diseases. Chronic liver failure is a multiorgan syndrome that affects the liver, kidneys, brain, heart, lungs, adrenal glands, and vascular, coagulation, and immune systems. Chronic Liver Failure: Mechanisms and Management covers for the first time all aspects of chronic liver failure in a single book, from pathogenesis to current management. Each chapter is written by a worldwide known expert in their area and all provide the latest state-of-the-art knowledge. This volume is specifically designed to provide answers to clinical questions to all doctors dealing with patients with liver diseases, not only clinical gastroenterologists and hepatologists, but also to internists, nephrologists, intensive care physicians, and transplant surgeons.
Exam Review
Applied Radiology
True Survival Stories
Computed Tomography for Technologists
CT Virtual Hysterosalpingography
The Last Lecture
"This book aims to help healthcare management students and working professionals find ways to improve the delivery of healthcare, even with its complex web of patients, providers, reimbursement systems, physician relations, workforce challenges, and intensive government regulation. Taking an integrated approach, the book puts the tools and techniques of operations improvement in the context of healthcare so that readers learn how to increase the effectiveness and efficiency of tomorrow's healthcare system." -- back of the book
Whole body computed tomography has developed at a rapid pace in the past decade, spurred on by the introduction of spiral and multislice scanning. These new technologies have not only improved diagnostic accuracy, but also made new applications possible that were previously accessible only through more complex or invasive techniques.This new book expertly fills a gap in the literature by combining the practically relevant technical background with the clinical information required for correctly performing and interpreting CT examinations. The book presents the state-of-the-art capabilities and requirements of CT as a key diagnostic and interventional tool, with special emphasis on the role of spiral and multi-slice CT. You will find a thorough introduction to CT technology from scanner design to 3D image reconstruction, useful practical hints on how to optimize your examination protocols and how to keep the radiation exposure of your patients to a minimum, as well as an extensive clinical section in which symptoms, pathology and CT morphology are integrated to provide you withthe basis for subtle interpretation of CT findings using the most modern CT techniques.Highlights include:- Full coverage of single-slice, 4-slice and 16-slice scanning techniques- Introduction to extended CT applications including cardiac CT,CT fluoroscopy,and 3D image processing- Organ-specific protocols for scanning and contrast administration- Practical guidelines for maximizing image quality and minimizing radiation exposure- Useful suggestions for image interpretation and for avoiding pitfalls and errors- Convenient format by organ systemand disease entity- Full discussion of organ-specific pathology and CT morphology- CT indications integrated with other imaging modalitiesAt a time when CT examinations are becoming more technically demanding and complex, with an increasing number of scan parameters and advances in 3D reconstructions, this book is an essential professional tool. Experienced practitioners will find their diagnostic and technical skills improved by reading the book, and beginners will enjoy the clear, systematic approach that will help them use the technique with confidence.
"We cannot change the cards we are dealt, just how we play the hand."---Randy Pausch A lot of professors give talks titled "The Last Lecture." Professors are asked to consider their demise and to ruminate on what matters most to them. And while they speak, audiences can't help but mull the same question: What wisdom would we impart to the world if we knew it was our last chance? If we had to vanish tomorrow, what would we want as our legacy? When Randy Pausch, a computer science professor at Carnegie Mellon, was asked to give such a lecture, he didn't have to imagine it as his last, since he had recently been diagnosed with terminal cancer. But the lecture he gave--"Really Achieving Your Childhood Dreams"--wasn't about dying. It was about the importance of overcoming obstacles, of enabling the dreams of others, of seizing every moment (because "time is all you have...and you may find one day that you have less than you think"). It was a summation of everything Randy had come to believe. It was about living. In this book, Randy Pausch has combined the humor, inspiration and intelligence that made his lecture such a phenomenon and given it an indelible form. It is a book that will be shared for generations to come.
The first-ever detailed, comprehensive history of intelligence, from Moses and Sun Tzu to the present day “A comprehensive exploration of spying in its myriad forms from the Bible to the present day.”—Ben Macintyre, “By the Book,” New York Times Book Review “For anyone with a taste for wide-ranging and shrewdly gossipy history—or, for that matter, for anyone with a taste for spy stories—Andrew’s is one of the most entertaining books of the past few years.”—Adam Gopnik, New Yorker The history of espionage is far older than any of today’s intelligence agencies, yet the long

history of intelligence operations has been largely forgotten. The codebreakers at Bletchley Park, the most successful World War II intelligence agency, were completely unaware that their predecessors in earlier moments of national crisis had broken the codes of Napoleon during the Napoleonic wars and those of Spain before the Spanish Armada. Those who do not understand past mistakes are likely to repeat them. Intelligence is a prime example. At the outbreak of World War I, the grasp of intelligence shown by U.S. President Woodrow Wilson and British Prime Minister Herbert Asquith was not in the same class as that of George Washington during the Revolutionary War and leading eighteenth-century British statesmen. In this book, the first global history of espionage ever written, distinguished historian Christopher Andrew recovers much of the lost intelligence history of the past three millennia—and shows us its relevance.

The Secret World

Medical Imaging Systems

Mechanisms and Management

The Delphi Method

Chronic Liver Failure

The Mythic and Heroic Sagas of the Kiches of Central America

Modern physics, radiation, atomic and nuclear physics have revolutionized medical diagnosis and the treatment of cancer. The work of the scientists whose discoveries fuelled this revolution is an important part of our scientific and cultural heritage. Using basic physics and simple mathematics this book shows how the discoveries of fundamental physics lead to an understanding of the important design principles of diagnosis and radiation therapy. With its carefully chosen and realistic exercises and worked examples, it provides a brief introduction and broad foundation for students and practitioners in the life sciences. This book could be used as a text for an introductory course in medical physics or biophysics. For those who are starting their careers in medical sciences or are already practitioners, it offers some interesting and useful background and an aide-memoire of the basics. For members of the public it could provide a deeper understanding of the science that informs the medical procedures that too many will be subject to, at a deeper level than the often excellent but, of necessity very basic and purely practical information available from hospitals and Web sites. The former audience may be interested in the mathematical demonstrations; the latter certainly will not be. However, for both audiences, the details of the calculations are less important than the knowledge that they can be done.

Leveraging the organization and focus on exam preparation found in the comprehensive text, this Exam Review will help any student to successfully complete the ARRT General Radiography and Computed Tomography exams. The book includes a bulleted format review of content, Registry-style questions with answers and rationales, and a mock exam following the ARRT format. The companion website offers an online testing simulation engine.

Issues in Applied Physics: 2011 Edition

Johns and Cunningham's The Physics of Radiology

Computed Tomography Technology

Facilitating Interdisciplinary Research

Applications in Interventional Cardiology

DNA Evidence, Archeology, Analysis of Migrations, and Public and Family Records Show Twelfth Century Semitic Roots