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**KEY=JUST - BARTLETT GREER**

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**POPULAR SCIENCE**

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**Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.**

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**X-RAY EQUIPMENT MAINTENANCE AND REPAIRS WORKBOOK FOR RADIOGRAPHERS AND RADIOLOGICAL TECHNOLOGISTS**

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World Health Organization **The X-ray equipment maintenance and repairs workbook is intended to help and guide staff working with, and responsible for, radiographic equipment and installations in remote institutions where the necessary technical support is not available, to perform routine maintenance and minor repairs of equipment to avoid break downs. The book can be used for self study and as a checklist for routine maintenance procedures.**

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**PC MAGAZINE**

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**THE INDEPENDENT GUIDE TO IBM-STANDARD PERSONAL COMPUTING**

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**VETERINARY PRACTICE**

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**COMPUTED TOMOGRAPHY FOR TECHNOLOGISTS**

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## **EXAM REVIEW**

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Lippincott Williams & Wilkins 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.

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## **A TEXT BOOK OF MEDICAL INSTRUMENTS**

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New Age International This Book Has Therefore Subdivided The Realm Of Medical Instruments Into The Same Sections Like A Text On Physiology And Introduces The Basic Early-Day Methods Well, Before Dealing With The Details Of Present-Day Instruments Currently In Use. Some Principles Of Diagnosis Are Also Included In Order That A New Researcher Could Understand The Requirements Of The Physician Rather Than Blindly Proceed In His Developments Using His Knowledge Of Circuitry, Software And Methods Of Signal Processing. Further, Medical Diagnostic Practice Has Been Conservative In Preserving The Acumen The Physicians Have Imbided From Their Seniors. For Example, In The Ecg, The Very Same Trace Occupying Just 2 Mm-3 Mm With A Chart Paper Is The Vital (Qrs) Component In Diagnosis, Though, At Present, The Same Information Can Be Presented In A Much Better Time-Scale With Greater Detail. Because Ecg Diagnosis Is Still Based On This Standard Record, A Researcher Intending To Produce A New Algorithm For A Detection Of Typical Pathology (Automatically) Would Need To Know The Principles Of Pathological Detection From The Ecg In Current Use. That Is Why, The Book Has Spent Some Pages On Such Aspects As Well. After Covering The Several Instruments Under The Different Heads Of Physiology, The Later-Day Instruments Like The Ct Scanner, The Mri, Ultrasound And Lasers Are Included. These Deserve Typically Separate Volumes On Their Own, But Even Here, The Essentials Are Covered Both From The Medical And Technical Angles. Particular Importance Has Been Given To Safety Aspects As Has Been Widely Made Known Through Several Papers In The Ieee Magazines, In A Separate Chapter. A Chapter On Possible Further Developments And Another On Signal Processing Examples Have Been Included To The Advantage Of A Medical Reader Intending To Exploit The Technological Developments. A Final Chapter On The Use Of Computers For Medical Data Management And The Use Of The Web At Large Concludes The Book. In A Book Of This Kind, Meant To Be Of Use For The Student Who Gets Himself Introduced To Medical Instruments For The First Time, A Large Number Of Books, Journals And Manufacturers Material Had To Be Referred To. Today, The Subject Is Growing At

A Very Fast Pace And Newer Methods In Surgery And Diagnostics Are Coming Up Every Day. The Book Could Cover Only Such Material As Are Current And It Is Up To The Reader To Keep Himself Abreast Of The Developments By Looking Into The Useful Journals For Example, The Ieee Issues. A Little Work Done By The Authors Own Biomedical And Engineering Group Has Been Included In The Chapter On New Developments.

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## **RADIOLOGY FOR ANAESTHESIA AND INTENSIVE CARE**

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Cambridge University Press This concise, fully illustrated book covers key aspects of imaging that are of relevance to anaesthetists and intensivists, and examines all imaging modalities that are likely to be called upon (plain film, CT, MRI etc.). The book is written by a team of radiologists and anaesthetists, providing a dual perspective.

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## **CONTRAST-ENHANCED MAMMOGRAPHY**

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Springer This book is a comprehensive guide to contrast-enhanced mammography (CEM), a novel advanced mammography technique using dual-energy mammography in combination with intravenous contrast administration in order to increase the diagnostic performance of digital mammography. Readers will find helpful information on the principles of CEM and indications for the technique. Detailed attention is devoted to image interpretation, with presentation of case examples and highlighting of pitfalls and artifacts. Other topics to be addressed include the establishment of a CEM program, the comparative merits of CEM and MRI, and the roles of CEM in screening populations and monitoring of response to neoadjuvant chemotherapy. CEM became commercially available in 2011 and is increasingly being used in clinical practice owing to its superiority over full-field digital mammography. This book will be an ideal source of knowledge and guidance for all who wish to start using the technique or to learn more about it.

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## **REFLOW SOLDERING PROCESSES**

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Newnes Focused on technological innovations in the field of electronics packaging and production, this book elucidates the changes in reflow soldering processes, its impact on defect mechanisms, and, accordingly, the troubleshooting techniques during these processes in a variety of board types. Geared toward electronics manufacturing process engineers, design engineers, as well as students in process engineering classes, Reflow Soldering Processes and Troubleshooting will be a strong contender in the continuing skill development market for manufacturing personnel.

Written using a very practical, hands-on approach, **Reflow Soldering Processes and Troubleshooting** provides the means for engineers to increase their understanding of the principles of soldering, flux, and solder paste technology. The author facilitates learning about other essential topics, such as area array packages--including BGA, CSP, and FC designs, bumping technique, assembly, and rework process,--and provides an increased understanding of the reliability failure modes of soldered SMT components. With cost effectiveness foremost in mind, this book is designed to troubleshoot errors or problems before boards go into the manufacturing process, saving time and money on the front end. The author's vast expertise and knowledge ensure that coverage of topics is expertly researched, written, and organized to best meet the needs of manufacturing process engineers, students, practitioners, and anyone with a desire to learn more about reflow soldering processes. Comprehensive and indispensable, this book will prove a perfect training and reference tool that readers will find invaluable. Provides engineers the cutting-edge technology in a rapidly changing field Offers in-depth coverage of the principles of soldering, flux, solder paste technology, area array packages--including BGA, CSP, and FC designs, bumping technique, assembly, and the rework process

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### **PREGNANCY DAY BY DAY**

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Penguin The complete guide to pregnancy, day-by-day No other pregnancy book provides this level of detail, allied with such extraordinary photographs, 3D scans and illustrations which reveal in unprecedented clarity exactly what is happening to you and your baby every single day. From early fetal development to how your hormones prepare you for birth, learn from world-class experts. Plus, obstetricians, midwives and parents advise on your baby's development, medical matters, your changing body, diet, fitness and much more. A special hour-by-hour rundown of what to expect during and immediately after birth, plus further reassurance for the first two weeks of your baby's life, will give a helping hand through the culmination of your pregnancy, from pain relief to those first intimate and unique moments between you and your child.

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### **ULTRASONOGRAPHY IN OBSTETRICS AND GYNECOLOGY**

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Elsevier srl Make optimal use of the latest diagnostic and interventional ultrasound applications in your practice! This new edition of the world's best-selling reference on obstetric and gynecologic ultrasound guides you through all of the newest ultrasound technologies, enabling you to diagnose problems accurately. The entire book has been radically updated by many new contributors to reflect all of the most recent advances, including greatly expanded information

on 3-D ultrasound and the latest generation of ultrasound scanners, as well as significantly increased discussions of gynecologic ultrasound. What's more, over 2,400 digital-quality images - 1,050 in full color - capture the characteristic appearance of a full range of ultrasound findings, and a new full-color format makes reference easier than ever. The result is an essential purchase for everyone who uses ultrasound for fetal and gynecologic diagnosis and treatment. Get dependable guidance on any clinical issue or challenge by consulting the world's most popular, trusted reference on ob/gyn ultrasound! Obtain optimal results by applying the masterful expertise of world-renowned authority Peter W. Callen, MD, as well as a care of other top specialists on the diagnostic and interventional applications of ultrasound. Make optimal use of all of the latest developments, including 3-D ultrasound, the use of the latest generation of ultrasound scanners, the growing role of ultrasound in gynecologic imaging. Diagnose with confidence by comparing your imaging findings to more than 2,400 digital-quality images - 1,050 in full color - that depict the complete range of normal and abnormal imaging presentations. Locate information more quickly thanks to a new highly templated, full-color format. Visualize key anatomic details more clearly with hundreds of medical illustrations redrawn in full color.

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## **PC/COMPUTING**

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## **INPATIENT OBSTETRIC NURSING**

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Passbooks The Certified Nurse Examination Series prepares individuals for licensing and certification conducted by the American Nurses Credentialing Center (ANCC), the National Certification Corporation (NCC), the National League for Nursing (NLN), and other organizations.

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## **A GUIDE TO THE PREVENTIVE CONSERVATION OF PHOTOGRAPH COLLECTIONS**

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Getty Publications A resource for the photographic conservator, conservation scientist, curator, as well as professional collector, this volume synthesizes both the masses of research that has been completed to date and the international standards that have been established on the subject.

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## **CONSTRUCTION MANAGEMENT OF HEALTHCARE PROJECTS**

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McGraw Hill Professional A complete, practical guide to managing healthcare facility construction projects Filled with best practices and the latest industry trends, Construction Management of Healthcare Projects describes the unique

construction requirements of hospitals, including building components, specialized functions, codes, and regulations. Detailed case studies offer invaluable insight into the real-world application of the concepts presented. This authoritative resource provides in-depth information on how to safely and successfully deliver high-quality healthcare construction projects on time and within budget. Coverage includes: Regulations and codes impacting hospitals Planning and predesign Project budgeting Business planning and pro formas Healthcare project financing Traditional delivery methods for healthcare projects Modern project delivery methods and alternate approaches The challenges of additions and renovations Mechanical and electrical systems in hospitals Medical technology and information systems Safety and infection control Commissioning of healthcare projects Occupying the project The future of healthcare construction

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## **DIGITAL ENTREPRENEURSHIP**

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### **IMPACT ON BUSINESS AND SOCIETY**

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**Springer Nature** This open access book explores the global challenges and experiences related to digital entrepreneurial activities, using carefully selected examples from leading companies and economies that shape world business today and tomorrow. Digital entrepreneurship and the companies steering it have an enormous global impact; they promise to transform the business world and change the way we communicate with each other. These companies use digitalization and artificial intelligence to enhance the quality of decisions and augment their business and customer operations. This book demonstrates how cloud services are continuing to evolve; how cryptocurrencies are traded in the banking industry; how platforms are created to commercialize business, and how, taken together, these developments provide new opportunities in the digitalized era. Further, it discusses a wide range of digital factors changing the way businesses operate, including artificial intelligence, chatbots, voice search, augmented and virtual reality, as well as cyber threats and data privacy management. “Digitalization mirrors the Industrial Revolution’s impact. This book provides a complement of perspectives on the opportunities emanating from such a deep seated change in our economy. It is a comprehensive collection of thought leadership mapped into a very useful framework. Scholars, digital entrepreneurs and practitioners will benefit from this timely work.” Gina O’Connor, Professor of Innovation Management at Babson College, USA “This book defines and delineates the requirements for companies to enable their businesses to succeed in a post-COVID19 world. This book deftly examines how to accomplish and achieve digital entrepreneurship by leveraging cloud computing, AI, IoT and other critical technologies. This is truly a unique

“must-read” book because it goes beyond theory and provides practical examples.” Charlie Isaacs, CTO of Customer Connection at Salesforce.com, USA "This book provides digital entrepreneurs useful guidance identifying, validating and building their venture. The international authors developed new perspectives on digital entrepreneurship that can support to create impact ventures.” Felix Staeritz, CEO FoundersLane, Member of the World Economic Forum Digital Leaders Board and bestselling author of FightBack, Germany

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## **DIAGNOSTIC RADIOLOGY PHYSICS**

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### **A HANDBOOK FOR TEACHERS AND STUDENTS**

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International Atomic Energy Agency This publication is aimed at students and teachers involved in programmes that train medical physicists for work in diagnostic radiology. It provides, in the form of a syllabus, a comprehensive overview of the basic medical physics knowledge required for the practice of modern diagnostic radiology. This makes it particularly useful for graduate students and residents in medical physics programmes. The material presented in the publication has been endorsed by the major international organisations and is the foundation for academic and clinical courses in both diagnostic radiology physics and in emerging areas such as imaging in radiotherapy.

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## **DEEP LEARNING AND DATA LABELING FOR MEDICAL APPLICATIONS**

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### **FIRST INTERNATIONAL WORKSHOP, LABELS 2016, AND SECOND INTERNATIONAL WORKSHOP, DLMIA 2016, HELD IN CONJUNCTION WITH MICCAI 2016, ATHENS, GREECE, OCTOBER 21, 2016, PROCEEDINGS**

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Springer This book constitutes the refereed proceedings of two workshops held at the 19th International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2016, in Athens, Greece, in October 2016: the First Workshop on Large-Scale Annotation of Biomedical Data and Expert Label Synthesis, LABELS 2016, and the Second International Workshop on Deep Learning in Medical Image Analysis, DLMIA 2016. The 28 revised regular papers presented in this book were carefully reviewed and selected from a total of 52 submissions. The 7 papers selected for LABELS deal with topics from the following fields: crowd-sourcing methods; active learning; transfer learning; semi-supervised learning; and modeling of label uncertainty. The 21 papers selected for DLMIA span a wide range of topics such as image description; medical imaging-based diagnosis; medical signal-based diagnosis; medical image reconstruction and model selection using deep learning techniques; meta-heuristic techniques for fine-tuning

parameter in deep learning-based architectures; and applications based on deep learning techniques.

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## **OFFENSIVE MARKETING**

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Routledge **Offensive Marketing** is the best source for competitive executives who are serious about strengthening their marketing skills and producing new outcomes. The authors bring the acclaimed POISE (Profitable, Offensive, Integrated, Strategic, Effectively Executed) framework to a North American audience. POISE brings together advances in strategy, innovation, and approach to produce a new level of effectiveness and market results. Extensively used by companies and individuals worldwide, this freshly adapted book is an essential resource for all marketing students and professionals interested in achievable strategies and profitable marketing.

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## **GLOBAL BUSINESS STRATEGY**

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### **MULTINATIONAL CORPORATIONS VENTURING INTO EMERGING MARKETS**

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Springer This book presents theories and case studies for corporations in developed nations, including Japan, for designing strategies to maximize opportunities and minimize threats in business expansion into developing nations. The case studies featured here focus on Asia, including China and India, and use examples of Japanese manufacturers. Five case studies are provided, including Hitachi Construction Machinery and Shiseido in China and Maruti Suzuki in India. These cases facilitate the reader's understanding of the business environments in emerging economies. This volume is especially recommended for business people responsible for international business development, particularly in China and India. In addition, the book serves as a useful resource for students in graduate-level courses in international management.

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## **HANDBOOK OF CEREBROVASCULAR DISEASE AND NEUROINTERVENTIONAL TECHNIQUE**

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Springer Science & Business Media Fully revised and updated, the Handbook serves as a practical guide to endovascular methods and as a concise reference for neurovascular anatomy and published data about cerebrovascular disease from a neurointerventionalist's perspective. Divided into three parts, the book covers: Fundamentals of neurovascular anatomy and basic angiographic techniques; Interventional Techniques and endovascular methods, along with useful device information and tips and tricks for daily practice; Specific Disease States, with essential clinical information

about commonly encountered conditions. New features in the 2nd Edition include: Global Gems that illuminate aspects of the field outside the United States; Angio-anatomic and angio-pathologic image correlates; Newly released clinical study results influencing neurointerventional practice; Information on emerging technologies in this rapidly advancing field. The Handbook is a vital resource for all clinicians involved in neurointerventional practice, including radiologists, neurosurgeons, neurologists, cardiologists, and vascular surgeons.

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## **JACK**

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### **STRAIGHT FROM THE GUT**

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Business Plus In an anticipated book on business management for our time, Jack Welch surveys the landscape of his career running General Electric, one of the world's largest and most successful corporations. Here he reveals his philosophy and management style.

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### **CARDIOVASCULAR COMPUTED TOMOGRAPHY**

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Oxford University Press, USA Recent years have seen a marked increase in cardiovascular computed tomography (CT) imaging, with the technique now integrated into many imaging guidelines, such as those published by ESC and NICE. Rapid clinical and technological progress has created a need for guidance on the practical aspects of CT image acquisition, analysis and interpretation. The Oxford Specialist Handbook of Cardiovascular CT, now revised for the second edition by practising international experts with many years of hands-on experience, is designed to fulfil this need. The Handbook is a practical guide on performing, analysing and interpreting cardiovascular CT scans, covering all aspects from patient safety to optimal image acquisition to differential diagnoses of tricky images. It takes an international approach to both accreditation and certification, highlighting British, European, and American examinations and courses. The format is designed to be accessible and is laid out in easy to navigate sections. It is meant as a quick-reference guide, to live near the CT scanner, workstation, or on the office shelf. The Handbook is aimed at all cardiovascular CT users (Cardiologists, Radiologists and Radiographers), particularly those new to cardiovascular CT, although even the advanced user should find useful tips and tricks within.

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## **INTEGRATED IMAGING AND VISION TECHNIQUES FOR INDUSTRIAL INSPECTION**

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### **ADVANCES AND APPLICATIONS**

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Springer This pioneering text/reference presents a detailed focus on the use of machine vision techniques in industrial inspection applications. An internationally renowned selection of experts provide insights on a range of inspection tasks, drawn from their cutting-edge work in academia and industry, covering practical issues of vision system integration for real-world applications. Topics and features: presents a comprehensive review of state-of-the-art hardware and software tools for machine vision, and the evolution of algorithms for industrial inspection; includes in-depth descriptions of advanced inspection methodologies and machine vision technologies for specific needs; discusses the latest developments and future trends in imaging and vision techniques for industrial inspection tasks; provides a focus on imaging and vision system integration, implementation, and optimization; describes the pitfalls and barriers to developing successful inspection systems for smooth and efficient manufacturing process.

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### **NANOTECHNOLOGY RESEARCH DIRECTIONS: IWGN WORKSHOP REPORT**

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#### **VISION FOR NANOTECHNOLOGY IN THE NEXT DECADE**

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Springer Science & Business Media energy production, environmental management, transportation, communication, computation, and education. As the twenty-first century unfolds, nanotechnology's impact on the health, wealth, and security of the world's people is expected to be at least as significant as the combined influences in this century of antibiotics, the integrated circuit, and human-made polymers. Dr. Neal Lane, Advisor to the President for Science and Technology and former National Science Foundation (NSF) director, stated at a Congressional hearing in April 1998, "If I were asked for an area of science and engineering that will most likely produce the breakthroughs of tomorrow, I would point to nanoscale science and engineering. " Recognizing this potential, the White House Office of Science and Technology Policy (OSTP) and the Office of Management and Budget (OMB) have issued a joint memorandum to Federal agency heads that identifies nanotechnology as a research priority area for Federal investment in fiscal year 2001. This report charts "Nanotechnology Research Directions," as developed by the Interagency Working Group on Nano Science, Engineering, and Technology (IWGN) of the National Science and Technology Council (NSTC). The report incorporates the views of leading experts from government, academia, and the private sector. It reflects the consensus

reached at an IWGN-sponsored workshop held on January 27-29, 1999, and detailed in contributions submitted thereafter by members of the V. S. science and engineering community. (See Appendix A for a list of contributors.)

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## **21ST CENTURY SPORTS**

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### **HOW TECHNOLOGIES WILL CHANGE SPORTS IN THE DIGITAL AGE**

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Springer Nature This book outlines the effects that technology-induced change will have on sport within the next five to ten years, and provides food for thought concerning what lies further ahead. Presented as a collection of essays, the authors are leading academics from renowned institutions such as Massachusetts Institute of Technology, Queensland University of Technology, and the University of Cambridge, and practitioners with extensive technological expertise. In their essays, the authors examine the impacts of emerging technologies like artificial intelligence, the Internet of Things, and robotics on sports and assess how they will change sport itself, consumer behavior, and existing business models. The book will help athletes, entrepreneurs, and innovators working in the sports industry to spot trendsetting technologies, gain deeper insights into how they will affect their activities, and identify the most effective responses to stay ahead of the competition both on and off the pitch.

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### **COMPUTER VISION TECHNOLOGY IN THE FOOD AND BEVERAGE INDUSTRIES**

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Elsevier The use of computer vision systems to control manufacturing processes and product quality has become increasingly important in food processing. Computer vision technology in the food and beverage industries reviews image acquisition and processing technologies and their applications in particular sectors of the food industry. Part one provides an introduction to computer vision in the food and beverage industries, discussing computer vision and infrared techniques for image analysis, hyperspectral and multispectral imaging, tomographic techniques and image processing. Part two goes on to consider computer vision technologies for automatic sorting, foreign body detection and removal, automated cutting and image analysis of food microstructure. Current and future applications of computer vision in specific areas of the food and beverage industries are the focus of part three. Techniques for quality control of meats are discussed alongside computer vision in the poultry, fish and bakery industries, including techniques for grain quality evaluation, and the evaluation and control of fruit, vegetable and nut quality. With its distinguished editor and international team of expert contributors, Computer vision technology in the food and beverage industries is an indispensable guide for all engineers and researchers involved in the development and use of

state-of-the-art vision systems in the food industry. Discusses computer vision and infrared techniques for image analysis, hyperspectral and multispectral imaging, tomographic techniques and image processing. Considers computer vision technologies for automatic sorting, foreign body detection and removal, automated cutting and image analysis of food microstructure. Examines techniques for quality control and computer vision in various industries including the poultry, fish and bakery, fruit, vegetable and nut industry.

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## **BRAIN TUMOR IMAGING**

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Springer This book describes the basics, the challenges and the limitations of state of the art brain tumor imaging and examines in detail its impact on diagnosis and treatment monitoring. It opens with an introduction to the clinically relevant physical principles of brain imaging. Since MR methodology plays a crucial role in brain imaging, the fundamental aspects of MR spectroscopy, MR perfusion and diffusion-weighted MR methods are described, focusing on the specific demands of brain tumor imaging. The potential and the limits of new imaging methodology are carefully addressed and compared to conventional MR imaging. In the main part of the book, the most important imaging criteria for the differential diagnosis of solid and necrotic brain tumors are delineated and illustrated in examples. A closing section is devoted to the use of MR methods for the monitoring of brain tumor therapy. The book is intended for radiologists, neurologists, neurosurgeons, oncologists and other scientists in the biomedical field with an interest in neuro-oncology.

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## **QUALITY ASSURANCE PROGRAMME FOR DIGITAL MAMMOGRAPHY**

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This manual provides a harmonized approach to quality assurance (QA) in the emerging area of digital mammography. It outlines the principles of, and specific instructions that can be used for, a QA programme for the optimal detection of early stage breast cancer within a digital environment. Intended for use by Member States that are now using digital mammography or that are assessing the implications of using digital mammography, it addresses major areas such as considerations concerning the transition from screen film to digital mammography, basic principles of QA, clinical image quality, quality control tests for radiographers, and quality control tests for medical physicists, including dosimetry assessment. Instructional materials to supplement the knowledge of professionals already working in the field of diagnostic radiology, as well as quality control worksheets, are also provided.

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## HOW THE BODY SHAPES THE WAY WE THINK

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### A NEW VIEW OF INTELLIGENCE

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MIT Press An exploration of embodied intelligence and its implications points toward a theory of intelligence in general; with case studies of intelligent systems in ubiquitous computing, business and management, human memory, and robotics. How could the body influence our thinking when it seems obvious that the brain controls the body? In *How the Body Shapes the Way We Think*, Rolf Pfeifer and Josh Bongard demonstrate that thought is not independent of the body but is tightly constrained, and at the same time enabled, by it. They argue that the kinds of thoughts we are capable of have their foundation in our embodiment—in our morphology and the material properties of our bodies. This crucial notion of embodiment underlies fundamental changes in the field of artificial intelligence over the past two decades, and Pfeifer and Bongard use the basic methodology of artificial intelligence—"understanding by building"—to describe their insights. If we understand how to design and build intelligent systems, they reason, we will better understand intelligence in general. In accessible, nontechnical language, and using many examples, they introduce the basic concepts by building on recent developments in robotics, biology, neuroscience, and psychology to outline a possible theory of intelligence. They illustrate applications of such a theory in ubiquitous computing, business and management, and the psychology of human memory. Embodied intelligence, as described by Pfeifer and Bongard, has important implications for our understanding of both natural and artificial intelligence.

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### MEDICAL ACRONYMS & ABBREVIATIONS

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Some 6,000 entries, listed alphabetically, along with the complete term or terms they represent. Encompasses all medical/surgical specialities. 4x7". Annotation copyrighted by Book News, Inc., Portland, OR

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### WIPO TECHNOLOGY TRENDS 2019 - ARTIFICIAL INTELLIGENCE

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WIPO The first report in a new flagship series, *WIPO Technology Trends*, aims to shed light on the trends in innovation in artificial intelligence since the field first developed in the 1950s.

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### MOBILE HEALTH TECHNOLOGIES

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## **THEORIES AND APPLICATIONS**

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BoD - Books on Demand **Mobile Health Technologies**, also known as mHealth technologies, have emerged, amongst healthcare providers, as the ultimate Technologies-of-Choice for the 21st century in delivering not only transformative change in healthcare delivery, but also critical health information to different communities of practice in integrated healthcare information systems. mHealth technologies nurture seamless platforms and pragmatic tools for managing pertinent health information across the continuum of different healthcare providers. mHealth technologies commonly utilize mobile medical devices, monitoring and wireless devices, and/or telemedicine in healthcare delivery and health research. Today, mHealth technologies provide opportunities to record and monitor conditions of patients with chronic diseases such as asthma, Chronic Obstructive Pulmonary Diseases (COPD) and diabetes mellitus. The intent of this book is to enlighten readers about the theories and applications of mHealth technologies in the healthcare domain.

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## **RADIATION DOSE FROM MULTIDETECTOR CT**

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Springer Science & Business Media **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.

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## **MARKETING MANAGEMENT**

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This is the 14th edition of 'Marketing Management' which preserves the strengths of previous editions while introducing new material and structure to further enhance learning.

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## **EMBEDDED VISION**

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### **AN INTRODUCTION**

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**Embedded vision is the integration of "computer vision" into machines that use algorithms to decode meaning from observed images or video. It has a wide range of applications to machine learning, artificial intelligence, industrial, medical, driverless cars, drones, smart phones, aerospace, defense, agriculture, consumer, surveillance, robotics and security. This book is an introductory guide for anyone who is interested in designing machines that have vision-enabled, embedded products. It covers a large number of topics encountered in hardware architecture, software algorithms, applications, advancements in camera, processors, and sensors in the field of embedded vision. Features: Includes a wide range of applications to artificial intelligence, machine learning, industry, science, medicine, transportation, civil infrastructure, and security Covers a large number of topics encountered in hardware architecture, software algorithms, applications, advancements in processors and sensors.**