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KEY=FORCE - GIOVANNA ALENA

A Practical Manual of Hysteroscopy and Endometrial Ablation Techniques A Clinical Cookbook *CRC Press* Keeping up with the rapid growth in this field, **A Practical Manual of Hysteroscopy and Endometrial Ablation: A Clinical Cookbook** covers current and emerging endometrial ablation procedures. It provides practical, step-by-step illustrated descriptions of basic and advanced techniques and new methods. The editors, Resad Pasic and Ronald L. Levine, ha **Health Devices Medical Device Register Contains a list of all manufacturers and other specified processors of medical devices registered with the Food and Drug Administration, and permitted to do business in the U.S., with addresses and telephone numbers. Organized by FDA medical device name, in alphabetical order. Keyword index to FDA established standard names of medical devices. Encyclopedia of Medical Devices and Instrumentation Subsystem and Transaction Monitoring and Tuning with DB2 11 for z/OS** *IBM Redbooks* This **IBM® Redbooks®** publication discusses in detail the facilities of **DB2® for z/OS®**, which allow complete monitoring of a DB2 environment. It focuses on the use of the DB2 instrumentation facility component (IFC) to provide monitoring of DB2 data and events and includes suggestions for related tuning. We discuss the collection of statistics for the verification of performance of the various components of the DB2 system and accounting for tracking the behavior of the applications. We have intentionally omitted considerations for query optimization; they are worth a separate document. Use this book to activate the right traces to help you monitor the performance of your DB2 system and to tune the various aspects of subsystem and application performance. **IBM IMS Solutions for Automating Database Management** *IBM Redbooks* Over the last few years, **IBM® IMSTM and IMS tools have been modernizing the interfaces to IMS and the IMS tools to bring them more in line with the current interface designs. As the mainframe software products are becoming more integrated with the Windows and mobile**

environments, a common approach to interfaces is becoming more relevant. The traditional 3270 interface with ISPF as the main interface is no longer the only way to do some of these processes. There is also a need to provide more of a common looking interface so the tools do not have a product-specific interface. This allows more cross product integration. Eclipse and web-based interfaces being used in a development environment, tooling using those environments provides productivity improvements in that the interfaces are common and familiar. IMS and IMS tools developers are making use of those environments to provide tooling that will perform some of the standard DBA functions. This book will take some selected processes and show how this new tooling can be used. This will provide some productivity improvements and also provide a more familiar environment for new generations DBAs. Some of the functions normally done by DBA or console operators can now be done in this eclipse-based environment by the application developers. This means that the need to request these services from others can be eliminated. This IBM Redbooks® publication examines specific IMS DBA processes and highlights the new IMS and IMS tools features, which show an alternative way to accomplish those processes. Each chapter highlights a different area of the DBA processes like: PSB creation Starting/stopping a database in an IMS system Recovering a database Cloning a set of databases

The SAGES Manual on the Fundamental Use of Surgical Energy (FUSE) *Springer Science & Business Media* The SAGES Manual on the Fundamental Use of Surgical Energy (FUSE) emphasizes good communication and promotes best practice for the use of electrosurgical, ultrasonic, and microwave energy sources in the operating theatre. This manual describes the basic technology of energy sources in the operating room and demonstrates the correct use and indications of energy sources in clinical practice. It also addresses the potential complications, hazards, and errors in the use of surgical energy sources and evaluates the potential interactions of energy sources with other medical devices. Any healthcare professional who has ever picked up an energy device in the OR such as a “Bovie” , Ultrasonic or bipolar instrument will better understand how it works, when to apply it, and what are the possible hazards and errors in its use. The SAGES Manual on the Fundamental Use of Surgical Energy (FUSE) is the first volume of its kind to provide such guidance and will be of great value to surgeons, anesthesiologists, nurses, endoscopists, and allied health care professionals who use these devices.

To Life! Eco Art in Pursuit of a Sustainable Planet *Univ of California Press* This title documents the burgeoning eco art movement from A to Z, presenting a panorama of artistic responses to environmental concerns, from Ant Farms anti-consumer antics in the 1970s to Marina Zurkows 2007 animation that anticipates the havoc wreaked upon the planet by global warming.

Data Warehousing with the Informix Dynamic Server *IBM Redbooks* The IBM Informix® Dynamic Server (IDS) has the tools to build a powerful data warehouse infrastructure platform to lower costs and increase profits by

doing more with your existing operational data and infrastructure. The Informix Warehouse Feature simplifies the process for design and deployment of a high performance data warehouse. With a state-of-the-art extract, load, and transform (ELT) tool and an Eclipse-based GUI environment that is easy to use, this comprehensive platform provides the foundation you need to cost effectively build and deploy the data warehousing infrastructure, using the IBM Informix Dynamic Server, and needed to enable the development and use of next-generation analytic solutions . This IBM® Redbooks® publication describes the technical information and demonstrates the functions and capabilities of the Informix Dynamic Server Warehouse Feature. It can help you understand how to develop a data warehousing architecture and infrastructure to meet your particular requirements, with the Informix Dynamic Server. It can also enable you to transform and manage your operational data, and use it to populate your data warehouse. With that new data warehousing environment, you can support the data analysis and decision-making that are required as you monitor and manage your business processes, and help you meet your business performance management goals, objectives, and measurements. Operative Manual of Endoscopic Surgery *Springer Science & Business Media* In putting together this manual of endoscopic surgery, we have sought to cover the three essential components of the new surgical approach: the technological aspects, the basic endoscopic surgical skills, and the operative techniques. Visualization of the operative field, exposure and execution of remote manipulations are dependent on optimal function of the ancillary apparatus without which endoscopic surgery cannot be practised. Familiarity of the surgeon with the basic physical principles of the various devices employed in this technology-dependent form of surgery ensures safe use, prolonged equipment life and smooth execution of surgical endoscopic interventions. Equally important is the acquisition of the basic skills of endoscopic surgical practice, since these differ in several important respects from those of conventional open surgery. Mastery of the craft of endoscopic surgery requires a determined commitment to training and is no easy option, but once acquired is rewarded by the extreme professional satisfaction experienced when one witnesses the remarkable progress of patients who have undergone major surgical interventions, with minimal discomfort and pain, lower morbidity and rapid return to gainful employment. The new approach has taken the "sting" out of surgical treatment and made it more acceptable to our patients. Quite apart from cost considerations, this aspect alone justifies the extra effort and investment needed for the further advancement of endoscopic surgery. Our task in compiling this operative manual was thus an ambitious one. Apache Spark for the Enterprise: Setting the Business Free *IBM Redbooks* Analytics is increasingly an integral part of day-to-day operations at today's leading businesses, and transformation is also occurring through huge growth in mobile and digital channels. Enterprise organizations are attempting to leverage analytics in new ways and transition existing

analytics capabilities to respond with more flexibility while making the most efficient use of highly valuable data science skills. The recent growth and adoption of Apache Spark as an analytics framework and platform is very timely and helps meet these challenging demands. The Apache Spark environment on IBM z/OS® and Linux on IBM z Systems™ platforms allows this analytics framework to run on the same enterprise platform as the originating sources of data and transactions that feed it. If most of the data that will be used for Apache Spark analytics, or the most sensitive or quickly changing data is originating on z/OS, then an Apache Spark z/OS based environment will be the optimal choice for performance, security, and governance. This IBM® Redpaper™ publication explores the enterprise analytics market, use of Apache Spark on IBM z Systems™ platforms, integration between Apache Spark and other enterprise data sources, and case studies and examples of what can be achieved with Apache Spark in enterprise environments. It is of interest to data scientists, data engineers, enterprise architects, or anybody looking to better understand how to combine an analytics framework and platform on enterprise systems.

Cutaneous Electrosurgery *Year Book Medical Pub*

The Medical-Legal Aspects of Acute Care Medicine A Resource for Clinicians, Administrators, and Risk Managers *Springer Nature*

The Medical-Legal Aspects of Acute Care Medicine: A Resource for Clinicians, Administrators, and Risk Managers is a comprehensive resource intended to provide a state-of-the-art overview of complex ethical, regulatory, and legal issues of importance to clinical healthcare professionals in the area of acute care medicine; including, for example, physicians, advanced practice providers, nurses, pharmacists, social workers, and care managers. In addition, this book also covers key legal and regulatory issues relevant to non-clinicians, such as hospital and practice administrators; department heads, educators, and risk managers. This text reviews traditional and emerging areas of ethical and legal controversies in healthcare such as resuscitation; mass-casualty event response and triage; patient autonomy and shared decision-making; medical research and teaching; ethical and legal issues in the care of the mental health patient; and, medical record documentation and confidentiality. Furthermore, this volume includes chapters dedicated to critically important topics, such as team leadership, the team model of clinical care, drug and device regulation, professional negligence, clinical education, the law of corporations, tele-medicine and e-health, medical errors and the culture of safety, regulatory compliance, the regulation of clinical laboratories, the law of insurance, and a practical overview of claims management and billing. Authored by experts in the field, **The Medical-Legal Aspects of Acute Care Medicine: A Resource for Clinicians, Administrators, and Risk Managers** is a valuable resource for all clinical and non-clinical healthcare professionals.

Robot-Assisted Radical Prostatectomy Beyond the Learning Curve *Springer*

This book addresses knowledge gaps in RARP in 3 key sections: 1) Step-by-step approach including multiple technique options and innovations, 2) Patient selection,

safety, outcomes, and 3) Preparing the patient for surgery. The order is more based upon knowledge priority rather than a chronologic sequence in which part 3 would go first. Part two allows more summary and commentary on evidence and part three allows some creative content that is otherwise hard to find in one place—medical evaluations, imaging, clinical trials, patient education, etc. This textbook emphasizes content for the advanced skills surgeon in that multiple techniques are presented as well as state of the art evidence. The learning curve is addressed and the authors clarify how this text is useful for learners. The caveat is that they should be careful in patient selection and stick with what their mentors are showing them. With experience, they can then branch out into the many techniques presented here. **Robot-Assisted Radical Prostatectomy: Beyond the Learning Curve** will also have cross-over appeal for surgical assistants, physician assistants, nurses, and anyone else involved in the surgical care of prostate cancer. **Atlas of Laparoscopic and Robotic Single Site Surgery Humana Press** This text provides a broad and current review of this field and will serve as a valuable resource for trainees, academic and community surgeons, and members of industry with an interest in LESS. Due to the novelty and complexity of these procedures, the book focuses on detailed descriptions as well as pertinent illustrations for various upper and lower tract urologic procedures. The development of novel minimally invasive and robotic technology for more comfortable performance of these demanding procedures is covered. A complete description of instrumentation, platforms, and optics developed specifically for LESS is another primary focus of this text. Finally, a description of outcomes and complications as well as comparative data defining the status of LESS in relation to other current minimally invasive techniques is offered. **Atlas of Laparoscopic and Robotic Single Site Surgery** will provide a detailed summary of the current status of LESS that will help guide surgical decision making, encourage investigative efforts, and stimulate industry led technology development. **Manual of Spine Surgery Springer Science & Business Media** The success of any spinal operation depends on good definition of the indications, consideration of the contraindications, technical and organizational factors, good operating technique and correct preoperative preparation and positioning of the patient. These points are presented in this book as clearly as possible and are illustrated with detailed high quality artwork. **Master Techniques in Blepharoplasty and Periorbital Rejuvenation Springer Science & Business Media** **Master Techniques in Blepharoplasty and Eyelid Reconstruction** is a comprehensive, multi-specialty textbook and surgical atlas on blepharoplasty and eyelid reconstruction, presenting multiple competing and complementary techniques by the leading experts in the field of plastic surgery, facial plastic surgery, and oculoplastic surgery. Only the most pioneering and time-tested surgical procedures are presented in step-by-step, illustrative detail. All areas of eyelid surgery are covered in a balanced and systematic approach. An accompanying on-line surgical atlas shows digitally

videotaped procedures by the leading authors, extremely useful to any surgeon interested in blepharoplasty. **Master Techniques in Blepharoplasty and Eyelid Reconstruction** is the definitive textbook and atlas for any surgeon who interested in this topic. **CT- and MR-Guided Interventions in Radiology** *Springer Science & Business Media* 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. **Peritoneal Carcinomatosis: A Multidisciplinary Approach** *Springer Science & Business Media* This is the first volume to provide a multidisciplinary approach to peritoneal carcinomatosis encompassing molecular mechanisms, histopathology, regional and systemic cytotoxic therapy, and surgical options. Illustrations aid the reader throughout in the many facets of this disease. The book will be of particular interest for medical, surgical and gynecological oncologists faced with the complexities of decision making in patients suffering from PC. **X-Ray Equipment Maintenance and Repairs Workbook for Radiographers and Radiological Technologists** *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. **Alexander's Care of the Patient in Surgery - E-Book** *Elsevier Health Sciences* For more than 65 years, Alexander's Care of the Patient in Surgery has been a trusted source for detailed information on perioperative nursing. Well-known author and educator Jane C. Rothrock sets up a solid foundation for practice, and offers step-by-step instructions for over 400 surgical interventions as well as many minimally invasive surgical procedures, all backed by the latest research. More than 1,000 full-color illustrations and photos depict procedures and methods, as well as surgical anatomy and instrumentation. This edition adds Rapid Response Team boxes with suggested interventions, plus coverage of new trends in patient and staff safety, the increase in interventional radiology, and the growth of outpatient ambulatory surgery. Alexander's gives you the tools you need to provide safe, cost-effective, high-quality patient care. **Chest Surgery** *Springer* Chest Surgery provides readers with a comprehensive and authoritative text that explains and illustrates all thoracic surgery procedures, with the exception of those on

the heart and esophagus. The easy-to-read text is supported by clear, instructive line drawings and intraoperative photographs. The result is a well-illustrated practical guide for the seasoned and novice practitioner alike. The contributors, who are all acknowledged experts, demonstrate simple and safe forms of operation by distilling their experience into the most efficient methods for both standard and less common procedures. For ease in following a surgical procedure, the text description of each step is coupled with an appropriate drawing. There are often numerous ways of performing an operation, and this book takes care to impart the basic principles underlying surgery. It will be the "must-have" guide for all thoracic surgery residents who wish to acquaint themselves with the latest developments in this constantly expanding field. **Minimally Invasive Surgical Oncology State-of- the-Art Cancer Management** *Springer Science & Business Media* **Minimally Invasive Surgical Oncology** is aimed at the minimal invasive surgeon as well as at the general surgeon and surgical trainee who wish to explore this field. It covers disciplines like gastroenterology, gynecology, urology, thoracic and pediatrics and builds bridges to oncologists and internal medicine. It gives a state-of-the art overview and perspectives for future developments and research as well. The book serves as an operative guide for a new generation of surgeons and offers the extraordinary feature being a text book, an operative atlas and a quick reference guide as well. The reader is provided with a tool in hand which synthesizes the latest knowledge in traditional therapies like chemotherapies and gives a comprehensive overview how to proceed in treating a cancer patient using minimal access techniques. **Mastering Service Mesh Enhance, secure, and observe cloud-native applications with Istio, Linkerd, and Consul** *Packt Publishing Ltd* **Understand how to use service mesh architecture to efficiently manage and safeguard microservices-based applications with the help of examples** **Key Features** **Manage your cloud-native applications easily using service mesh architecture** **Learn about Istio, Linkerd, and Consul - the three primary open source service mesh providers** **Explore tips, techniques, and best practices for building secure, high-performance microservices** **Book Description** **Although microservices-based applications support DevOps and continuous delivery, they can also add to the complexity of testing and observability. The implementation of a service mesh architecture, however, allows you to secure, manage, and scale your microservices more efficiently. With the help of practical examples, this book demonstrates how to install, configure, and deploy an efficient service mesh for microservices in a Kubernetes environment. You'll get started with a hands-on introduction to the concepts of cloud-native application management and service mesh architecture, before learning how to build your own Kubernetes environment. While exploring later chapters, you'll get to grips with the three major service mesh providers: Istio, Linkerd, and Consul. You'll be able to identify their specific functionalities, from traffic management, security, and certificate authority through to sidecar injections and**

observability. By the end of this book, you will have developed the skills you need to effectively manage modern microservices-based applications. What you will learn

Compare the functionalities of Istio, Linkerd, and Consul

Become well-versed with service mesh control and data plane concepts

Understand service mesh architecture with the help of hands-on examples

Work through hands-on exercises in traffic management, security, policy, and observability

Set up secure communication for microservices using a service mesh

Explore service mesh features such as traffic management, service discovery, and resiliency

Who this book is for

This book is for solution architects and network administrators, as well as DevOps and site reliability engineers who are new to the cloud-native framework. You will also find this book useful if you're looking to build a career in DevOps, particularly in operations. Working knowledge of Kubernetes and building microservices that are cloud-native is necessary to get the most out of this book.

Making the World Work Better: The Ideas That Shaped a Century and a Company *Pearson Education*

Thomas J Watson Sr's motto for IBM was THINK, and for more than a century, that one little word worked overtime. In *Making the World Work Better: The Ideas That Shaped a Century and a Company*, journalists Kevin Maney, Steve Hamm, and Jeffrey M. O'Brien mark the Centennial of IBM's founding by examining how IBM has distinctly contributed to the evolution of technology and the modern corporation over the past 100 years. The authors offer a fresh analysis through interviews of many key figures, chronicling the Nobel Prize-winning work of the company's research laboratories and uncovering rich archival material, including hundreds of vintage photographs and drawings. The book recounts the company's missteps, as well as its successes. It captures moments of high drama - from the bet-the-business gamble on the legendary System/360 in the 1960s to the turnaround from the company's near-death experience in the early 1990s. The authors have shaped a narrative of discoveries, struggles, individual insights and lasting impact on technology, business and society. Taken together, their essays reveal a distinctive mindset and organizational culture, animated by a deeply held commitment to the hard work of progress. IBM engineers and scientists invented many of the building blocks of modern information technology, including the memory chip, the disk drive, the scanning tunneling microscope (essential to nanotechnology) and even new fields of mathematics. IBM brought the punch-card tabulator, the mainframe and the personal computer into the mainstream of business and modern life. IBM was the first large American company to pay all employees salaries rather than hourly wages, an early champion of hiring women and minorities and a pioneer of new approaches to doing business--with its model of the globally integrated enterprise. And it has had a lasting impact on the course of society from enabling the US Social Security System, to the space program, to airline reservations, modern banking and retail, to many of the ways our world today works. The lessons for all businesses - indeed, all institutions - are powerful: To survive and succeed over a long

period, you have to anticipate change and to be willing and able to continually transform. But while change happens, progress is deliberate. IBM - deliberately led by a pioneering culture and grounded in a set of core ideas - came into being, grew, thrived, nearly died, transformed itself... and is now charting a new path forward for its second century toward a perhaps surprising future on a planetary scale.

Operative Gynecologic Endoscopy *Springer* **Operative Gynecologic Endoscopy, Second Edition** is completely revised and expanded with 17 new chapters that provide, step-by-step, the latest operative techniques for both laparoscopic AND hysteroscopic procedures. New and updated chapters include: - laparoscopic assisted vaginal hysterectomy - vaginal prolapse and bladder suspension - ectopic pregnancy - tubal reconstructive surgery - assisted reproductive technologies - lymphadenectomy and urologic procedures - operative hysteroscopy. In addition, this volume includes comprehensive chapters on instrumentation, photo documentation, anesthesia, operating room personnel, credentialing, and legal issues. More than 350 superb illustrations - with many in full color - complement and clarify the operative techniques. For every surgeon and resident performing gynecologic procedures, this is the definitive, most up-to-date text on gynecologic endoscopy.

Surgical Anatomy and Technique A Pocket Manual *Springer Science & Business Media* A good knowledge of anatomy helps surgeons avoid anatomical complications, while masterful technique allows them to proceed rapidly and securely in the operating room. Unlike other pocket-sized surgical texts on the market, **Surgical Anatomy and Technique** manual provides step-by-step techniques of a wide range of general surgery procedures and reviews the anatomical entities involved in each operation. The book's scope spans the entire body: skin and scalp, neck, breast, abdominal wall and herniae, diaphragm, esophagus, stomach, duodenum, pancreas, small intestines, appendix, colon and anorectum, liver, extrahepatic biliary tract, spleen, adrenal glands, carpal tunnel, and varicosities of the lower extremity. A chapter on laparoscopic surgery is also included. Clear, concise, and generously illustrated, this is a superb quick reference to refresh the memory of the surgical resident before entering the operating room.

Perioperative Standards and Recommended Practices *Association of Operating Room Nurses* This concise reference provides definitions of scope of practice and recommended practices. the recommended practices section is very specific and includes information on aseptic practice, equipment and product safety, patient care, and sterilization and disinfection. It gives clear concise direction to promote optimal patient care. It also has a comprehensive section with a wide collection of sample policy and procedure documents, customizable to an individual facility to assist in compliance with accreditation standards.

Australasian Anaesthesia 2017 Invited Papers and Selected Continuing Education The History of Technologic Advancements in Urology *Springer* This text explores the history and development of the many technologies that have led to how we treat contemporary urologic problems. From the

development of the cystoscope, the advances in laparoscopy, the birth of the field of endourology, to the era of robotics today, urologists have pushed the envelope in technologic innovation. The editors highlight the development of the cystoscope and the early tools used to treat ureteral stones, the development of ureteroscopy, and the applications of lasers and shock wave lithotripsy in the treatment of urolithiasis. Furthermore, they explore the history of minimally invasive treatments in urologic oncology from the story behind the first laparoscopic nephrectomy, the application of hand-assisted technology to the development of robotics and percutaneous treatment approaches (radiofrequency ablation and cryoablation). As the field of urology continues to evolve, urologists will continue to look to the future with the recent applications of histotripsy and regenerative medicine. This text chronicles the creativity, innovation and discovery of the developments of the instruments that allow to practice urology today, as well as glimpse what the future of urology holds.

Bold How to Go Big, Create Wealth and Impact the World *Simon and Schuster*
Bold is a radical how-to guide for using exponential technologies, moonshot thinking, and crowd-powered tools to create extraordinary wealth while also positively impacting the lives of billions. A follow-up to the authors' *Abundance* (2012).

Image-Guided Cancer Therapy A Multidisciplinary Approach *Springer*
Image-Guided Cancer Therapy: A Multidisciplinary Approach provides clinicians with in-depth coverage of the growing, dynamic field of interventional oncology. Combining the knowledge of expert editors and authors into one powerhouse reference, this book looks at tumor ablation, HIFU, embolic therapies, emerging technologies, and radiation therapy throughout the body (liver, bone, breast, gynecologic and prostate cancers, to name just a few) , and includes discussion of different imaging modalities. In the words of Peter Mueller, MD, author of the book's Foreword: "... The senior authors are all world renowned experts in interventional oncology, which is another example of the high quality authorship and experience that is brought to this book. The later chapters discuss therapies that are simply not covered in any other source. Everyone who is doing or wants to do ablation therapies and interventional oncology will face a time when they will be asked to use their expertise in less used and less investigated areas. There is nowhere else where the reader can get information on the prostate, breast, and gynecologic areas, and especially pediatrics....This book is an outstanding contribution to the literature and will become a 'must read' for all physicians who are interested in Interventional Oncology."

Environmental Life Cycle Assessment (Open Access) *CRC Press*
Environmental Life Cycle Assessment is a pivotal guide to identifying environmental problems and reducing related impacts for companies and organizations in need of life cycle assessment (LCA). LCA, a unique sustainability tool, provides a framework that addresses a growing demand for practical technological solutions. Detailing each phase of the LCA methodology, this textbook covers the historical development of LCA,

presents the general principles and characteristics of LCA, and outlines the corresponding standards for good practice determined by the International Organization for Standardization. It also explains how to identify the critical aspects of an LCA, provides detailed examples of LCA analysis and applications, and includes illustrated problems and solutions with concrete examples from water management, electronics, packaging, automotive, and other industries. In addition, readers will learn how to: Use consistent criteria to realize and evaluate an LCA independently of individual interests Understand the LCA methodology and become familiar with existing databases and methods based on the latest results of international research Analyze and critique a completed LCA Apply LCA methodology to simple case studies Geared toward graduate and undergraduate students studying environmental science and industrial ecology, as well as practicing environmental engineers, and sustainability professionals who want to teach themselves LCA good practices, Environmental Life Cycle Assessment demonstrates how to conduct environmental assessments for products throughout their life cycles. It presents existing methods and recent developments in the growing field of LCA and systematically covers goal and system definition, life cycle inventory, life cycle impact assessment, and interpretation. Implementing an InfoSphere Optim Data Growth Solution *IBM Redbooks Today*, organizations face tremendous challenges with data explosion and information governance. InfoSphere™ Optim™ solutions solve the data growth problem at the source by managing the enterprise application data. The Optim Data Growth solutions are consistent, scalable solutions that include comprehensive capabilities for managing enterprise application data across applications, databases, operating systems, and hardware platforms. You can align the management of your enterprise application data with your business objectives to improve application service levels, lower costs, and mitigate risk. In this IBM® Redbooks® publication, we describe the IBM InfoSphere Optim Data Growth solutions and a methodology that provides implementation guidance from requirements analysis through deployment and administration planning. We also discuss various implementation topics including system architecture design, sizing, scalability, security, performance, and automation. This book is intended to provide various systems development professionals, Data Solution Architects, Data Administrators, Modelers, Data Analysts, Data Integrators, or anyone who has to analyze or integrate data structures, a broad understanding about IBM InfoSphere Optim Data Growth solutions. By being used in conjunction with the product manuals and online help, this book provides guidance about implementing an optimal solution for managing your enterprise application data. DB2 9 for Z/OS Stored Procedures Through the Call and Beyond *IBM.Com/Redbooks Hysterectomy A Comprehensive Surgical Approach Springer* This book initiates the descriptions of the practical performance of different hysterectomies with conventional and robotically assisted laparoscopy, laparotomy and vaginal surgery. Laparoscopic

hysterectomy has been out as an additional technique for hysterectomies for the last couple of decades. As the necessary light, augmentation and advanced skill has only been introduced into this already 200 year old surgical procedure within the last few decades by laparoscopy, the editors aim to look at the laparoscopic procedures followed by the traditional techniques of hysterectomy with laparotomy and vaginal surgery.

Data and Applications Security XVII Status and Prospects *Springer* Security and privacy are paramount concerns in information processing systems, which are vital to business, government and military operations and, indeed, society itself. Meanwhile, the expansion of the Internet and its convergence with telecommunication networks are providing incredible connectivity, myriad applications and, of course, new threats. **Data and Applications Security XVII: Status and Prospects** describes original research results, practical experiences and innovative ideas, all focused on maintaining security and privacy in information processing systems and applications that pervade cyberspace. The areas of coverage include: - Information Warfare, -Information Assurance, -Security and Privacy, - Authorization and Access Control in Distributed Systems, -Security Technologies for the Internet, -Access Control Models and Technologies, - Digital Forensics. This book is the seventeenth volume in the series produced by the International Federation for Information Processing (IFIP) Working Group 11.3 on Data and Applications Security. It presents a selection of twenty-six updated and edited papers from the Seventeenth Annual IFIP TC11 / WG11.3 Working Conference on Data and Applications Security held at Estes Park, Colorado, USA in August 2003, together with a report on the conference keynote speech and a summary of the conference panel. The contents demonstrate the richness and vitality of the discipline, and other directions for future research in data and applications security. **Data and Applications Security XVII: Status and Prospects** is an invaluable resource for information assurance researchers, faculty members and graduate students, as well as for individuals engaged in research and development in the information technology sector.

The Semantic Web Semantics for Data and Services on the Web *Springer Science & Business Media* The Semantic Web is a vision - the idea of having data on the Web defined and linked in such a way that it can be used by machines not just for display purposes but for automation, integration and reuse of data across various applications. However, there is a widespread misconception that the Semantic Web is a rehash of existing AI and database work. Kashyap, Bussler, and Moran dispel this notion by presenting the multi-disciplinary technological underpinnings such as machine learning, information retrieval, service-oriented architectures, and grid computing. Thus they combine the informational and computational aspects needed to realize the full potential of the Semantic Web vision.

Acute Cholecystitis *Springer* This text covers all aspects of the current diagnosis and treatment of acute cholecystitis. Different diagnostic tests are discussed as well as the preoperative evaluation needed to initiate treatment. Other sections

include the management of acute cholecystitis in the critically ill and elderly patients, recent advances in operative strategies that have further altered the treatment of acute cholecystitis, and the utilization of routine intraoperative cholangiography and its relative merits. Primarily intended for general surgeons and residents training in general surgery, *Acute Cholecystitis* will also serve as a comprehensive reference material for other health care providers, including primary care providers, mid-level nurse practitioners, emergency room physicians and medical students.

LOBs with DB2 for Z/OS Stronger and Faster The requirements for a database management system (DBMS) have included support for very large and complex data objects. DB2 UDB for OS/390 Version 6 introduced the support for large objects (LOBs): they can contain text documents, images, or movies, and can be stored directly in the DBMS with sizes up to 2 gigabytes per object and 65,536 TB for a single LOB column in a 4,096 partition table. The introduction of these new data types has implied some changes in the administration processes and programming techniques. The book *Large Objects with DB2 for z/OS and OS/390*, SG24-6571, introduced and described the usage of LOBs with DB2 for z/OS at Version 7 level. Major enhancements for LOB manipulation have been introduced with DB2 UDB for z/OS Version 8 and DB2 Version 9.1 for z/OS (DB2 9 in this book). These enhancements include performance functions such as the avoidance of LOB locks and DRDA LOB flow optimization, usability functions such as file reference variables, FETCH CONTINUE, and the automatic creation of objects. DB2 utilities provide integrated support with LOAD and UNLOAD, Cross Loader, REORG, CHECK DATA, and CHECK LOB. In this IBM Redbooks publication, we provide a totally revised description of the DB2 functions for LOB support as well as useful information about how to design and implement LOBs. We also offer examples of their use, programming considerations, and the enhanced processes used for their administration and maintenance. We also detail how SAP solutions use LOBs. This book replaces the previous book, *Large Objects with DB2 for z/OS and OS/390*, SG24-6571, for DB2 Version 8 and Version 9.1. Please note that the additional material referenced in the text is not available from IBM.