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[Fundamentals of Fibre Optics in Telecommunication and Sensor Systems](#) Pearson Education India

This book presents a coherent approach to computer system design that encompasses many, if not most, of the design problems and solutions options. Covers not only the basic "tricks" and techniques, but also the relationships between software and hardware levels of system implementation and operation.

[WEB TECHNOLOGY](#) PHI Learning Pvt. Ltd.

Providing an overview of the current status of chemistry; regarding the implementation of clean, eco-friendly, less improvident manufacturing processes. This book acknowledges a more eco-conscious face of multi-dimensional chemistry: the need, principle, evolution, strategies and bioethical concerns for sustainable development of environment.

[Object Oriented Analysis & Design With Application](#) Springer Nature

his textbook is designed to teach a first course in Information Technology (IT) to all undergraduate students. In view of the all-pervasive nature of IT in today 's world a decision has been taken by many universities to introduce IT as a compulsory core course to all Bachelor 's degree students regardless of their specialisation. This book is intended for such a course. The approach taken in this book is to emphasize the fundamental "Science" of Information Technology rather than a cook book of skills. Skills can be learnt easily by practice with a computer and by using instructions given in simple web lessons that have been cited in the References. The book defines Information Technology as the technology that is used to acquire, store, organize, process and disseminate processed data, namely, information. The unique aspect of the book is to examine processing all types of data: numbers, text, images, audio and video data. As IT is a rapidly changing field, we have taken the approach to emphasize reasonably stable, fundamental concepts on which the technology is built. A unique feature of the book is the discussion of topics such as image, audio and video compression technologies from first principles. We have also described the latest technologies such as 'e-wallets' and 'cloud computing'. The book is suitable for all Bachelor 's degree students in Science, Arts, Computer Applications, and Commerce. It is also useful for general reading to learn about IT and its latest trends. Those who are curious to know, the principles used to design jpg, mp3 and mpeg4 compression, the image formats—bmp, tiff, gif, png, and jpg, search engines, payment systems such as BHIM and Paytm, and cloud computing, to mention a few of the technologies discussed, will find this book useful. **KEY FEATURES** • Provides comprehensive coverage of all basic concepts of IT from first principles • Explains acquisition, compression, storage, organization, processing and dis-semination of multimedia data • Simple explanation of mp3, jpg, and mpeg4 compression • Explains how computer networks and the Internet work and their applications • Covers business data processing, World Wide Web, e-commerce, and IT laws • Discusses social impacts of IT and career opportunities in IT and IT enabled services • Designed for self-study with every chapter starting with learning objectives and concluding with a comprehensive summary and a large number of exercises.

[Data Analytics in Project Management](#) Data Analytics in Project Management

-- Snag this book and CD package to learn everything you ever wanted to know and be able to do everything you need to do to create your own e-commerce Web site. -- The ideal tool for small business owners and entrepreneurs. -- CD contains a full version of GoDaddy Software's WebSite Complete version 3, Free!

[Mathematical Cryptology for Computer Scientists and Mathematicians](#) Rowman & Littlefield Pub Incorporated

This textbook, now in its Second Edition, addresses the rapid advancements to the area of mobile computing. Almost every chapter has been revised to make the book up to date with the latest developments. It covers the main topics associated with mobile computing and wireless networking at a level that enables the students to develop a fundamental understanding of the technical issues involved in this new and fast emerging discipline. This book first examines the basics of wireless technologies and computer communications that form the essential infrastructure required for building knowledge in the area of mobile computations involving the study of invocation mechanisms at the client end, the underlying wireless communication, and the corresponding server-side technologies. It includes coverage of development of mobile cellular systems, protocol design for mobile networks, special issues involved in the mobility management of cellular system users, realization and applications of mobile ad hoc networks (MANETs), design and operation of sensor networks, special constraints and requirements of mobile operating systems, and development of mobile computing applications. Finally, an example application of the mobile computing infrastructure to M-commerce is described in the concluding chapter of the book. The book is suitable for a one-semester course in mobile computing for the undergraduate students of Computer Science and Engineering, Information Technology, Electronics and Communication Engineering, Master of Computer Applications (MCA), and the undergraduate and postgraduate science courses in computer science and Information Technology. **Key Features** • Provides unified coverage of mobile computing and communication aspects • Discusses the mobile application development, mobile operating systems and mobile databases as part of the material devoted to mobile computing • Incorporates a survey of mobile

operating systems and the latest developments

[Multimedia Systems Design](#) Courier Corporation

Oracle's Workgroup or Enterprise Server, are the world's largest selling RDBMS products. It is estimated that the combined sales of both these Oracle products account for more than 80% of RDBMS products. It is estimated that the combines sales of both these Oracle products account for more than 80% of RDBMS engines sold worldwide. A very large amount of commercial applications are developed around these products. Most ERP software such as SAP R3, Avalon, Marshall, PeopleSoft, Oracle Applications and a host of other such client software work with the Oracle RDBMS engine worldwide. Whether a corporate entity chooses to use Oracle Work Group of Enterprise Server, the natural programming language of both of these products in ANSI SQL and PL/SQL. This book has been written to address the need of programmers who wish to have a ready reference book, with examples, which covers ANSI SQL and PL/SQL. The creating of User Defined Functions, Procedures, Database triggers and other specific data processing PL/SQL code blocks for commercial applications will always required programmers who can code comfortably in ANSI SQL and PL/SQL. Exception handling, Oracle's default locking and User defined locking has been covered in a fair amount of detail. However these areas are of great interest to commercial application developers. Programmers with these explicit skills will always find employment in that segment of the software industry, which develops commercial applications. I have tried to use my extensive commercial application development experience in Oracle using ANSI SQL and PL/SQL to produce a book that has answers to most of the questions that seem to puzzle programmers in ANSI SQL and PL/SQL. Every single programming question has not been answered, indeed if I tried to actually do that I would fail since I believe that I myself have not encountered every single programming problem. However, I've chosen several key areas in commercial applications and tried to address a set of issues that most commercial applications developers require. Concepts are built using simple language. Examples have easily understood logic. Once this is grasped, the skill gained, must allow any commercial application developer to develop programs in ANSI SQL and PL/SQL very very quickly

[FUNDAMENTALS OF MOBILE COMPUTING](#), Second Edition Academic Press

Fibre Optics Is A Very Important Constituent Of Modern Information Technology. One Major Economic Benefit Offered By Fibre Optics Is Very High Information Transmission Rate At Low Cost Per Circuit-Km. The First Fibre Optic Telephone Link Went Public In Late 1970S. Ever Since, The Industrially Advanced Nations Around The World Have Been Striving To Deploy Fibre Optics In Almost Every Sector Of Communication Including Computer Networks And Data Links. Rarely, Since The Discovery Of Transistors, Have We Noticed Such A Fantastic Growth Rate Of A New Technology. As An Important Byproduct Of This Phenomenal Progress, A New Class Of Ultra-Sensitive Optical Sensors And Devices Based On Fibre Optics Has Emerged, Which Are Being Developed For Large Scale Use In Industrial And Biomedical Sectors. This Book Provides Semi-Tutorial Presentations Of The Fundamentals Of This Emerging Technology As Applied To Telecommunication And Sensor Development. Each Chapter, Contributed By Leading Researchers, Is Appended With A Large Number Of References To The Original Publications. The Book Is Broadly Divided Into Three Parts. The First Part Is Devoted To Propagation Effects In Optical Waveguides Including Polarization And Non-Linear Effects And Their Measurements. Fabrication And Cabling Technologies Of Optical Fibres Are Also Discussed In This Part. The Second Part Of The Book Deals With Optical Sources, Detectors, Integrated Optical Devices And System Designs Involved In Optical Communication Technology. The Last Part Of The Book Covers Topics Like Intensity Modulated And Interferometric Optical Fibre Sensors, In-Line Fibre Optic Components For Signal Processing And Multiplexing Of Optical Signals, And Application Of Fibre Optics In The Power Sector. The Extensive Coverage Should Prove Useful To Senior Undergraduate And Postgraduate Students, Researchers And Also To R & D Engineers Who Want A Tutorial Introduction To The Technologies Of Fibre Optic Telecommunication And Sensors.

[United States Energy Through the Year 2000](#) CRC Press

Data Analytics in Project Management. Data analytics plays a crucial role in business analytics. Without a rigid approach to analyzing data, there is no way to glean insights from it. Business analytics ensures the expected value of change while that change is implemented by projects in the business environment. Due to the significant increase in the number of projects and the amount of data associated with them, it is crucial to understand the areas in which data analytics can be applied in project management. This book addresses data analytics in relation to key areas, approaches, and methods in project management. It examines: • Risk management • The role of the project management office (PMO) • Planning and resource management • Project portfolio management • Earned value method (EVM) • Big Data • Software support • Data mining • Decision-making • Agile project management Data analytics in project management is of increasing importance and extremely challenging. There is rapid multiplication of data volumes, and, at the same time, the structure of the data is more complex. Digging through exabytes and zettabytes of data is a technological challenge in and of itself. How project management creates value through data analytics is crucial. Data Analytics in Project Management addresses the most common issues of applying data analytics in project management. The book supports theory with numerous examples and case studies and is a resource for academics and practitioners alike. It is a thought-provoking examination of data analytics applications that is valuable for projects today and those in the future. Network Innovation through OpenFlow and SDN Taylor & Francis Group/CRC Press This book presents a large number of organic reactions performed under green conditions, which were earlier performed using anhydrous conditions and various volatile organic solvents. The conditions used involve green solvents like water,

super critical carbon dioxide, ionic liquids, polymer-supported reagents, polyethylene glycol and perfluorinated liquids. A number of reactions have been conducted in solid state without using any solvent. Most of the reactions have been conducted under microwave irradiations and sonication. In large number of reactions, catalysts like phase transfer catalysts, crown ethers and biocatalysts have been used. Providing the protocols that every laboratory should adopt, this book elaborates the principles of green chemistry and discusses the planning and preparations required to convert to green laboratory techniques. It includes applications relevant to practicing researchers, students and environmental chemists. This book is useful for students (graduate and postgraduate), researchers and industry professionals in the area of chemical engineering, chemistry and allied fields.

E-Governance Univ Science Books

Data Analytics in Project Management Taylor & Francis Group/CRC Press

National Energy Outlook Springer Science & Business Media

The programming language C occupies an unusual position midway between conventional high-level and assembly languages, allowing the programmer to combine the best features of both. This book is an introduction to the language itself, and to the special style of thinking that goes with it. Anyone wishing to learn C is likely to have some experience in a high-level language such as BASIC or Pascal, and it seems sensible to make use of that experience. We therefore assume some facility with conventional notation for computer arithmetic, and simple notions (such as looping and branching) common to most high-level languages. However, that cannot be the whole story. One cannot learn to speak colloquial French by thinking in English and performing a routine translation. No more can one learn to program in colloquial C by thinking in BASIC and performing a routine translation. However, when learning French it is normal to assume familiarity with English, building on that in the early stages, thereby creating the confidence necessary to provide that *mot juste* to which nothing corresponding exists in English. Our approach to C is similar. In particular we do not introduce at the very beginning some of the features of C which eventually lead to more efficient and elegant code—for example, the ability to do several things, apparently at once. Initially, such constructs can be confusing. Once the reader has acquired some facility with the language it then becomes possible to bring these features into play in a natural manner.

Advanced Computer Architecture McGraw-Hill Osborne Media

This text explains the general principles of how wireless systems work, how mobility is supported, what the underlying infrastructure is and what interactions are needed among different functional components. Designed as a textbook appropriate for undergraduate or graduate courses in Computer Science (CS), Computer Engineering (CE), and Electrical Engineering (EE), Introduction to Wireless and Mobile Systems third edition focuses on qualitative descriptions and the realistic explanations of relationships between wireless systems and performance parameters. Rather than offering a thorough history behind the development of wireless technologies or an exhaustive list of work being carried out, the authors help CS, CE, and EE students learn this exciting technology through relevant examples such as understanding how a cell phone starts working as soon as they get out of an airplane. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Experiments in General Chemistry McGraw-Hill Science, Engineering & Mathematics "Offers students the opportunity to master techniques and skills necessary for success in broadcast television, audio and news production ... designed to cover introductory production concepts, this book contains exercises based on specific learning objectives"--Page 4 of cover.

80386 Microprocessor Handbook Oxford University Press

This well-received book, now in its second edition, incorporates a new chapter on PHP as Chapter 13 based on the readers' demand in today's world PHP which is an important web programming technology. This text provides students with a comprehensible introduction to the programming and scripting languages currently used to create Web sites and Web applications—the main aim being to teach the programming concepts of various Web technologies and the fundamentals needed to program on the Internet. The book emphasizes the underlying fundamentals of Web page development and prepares students to build real-world, industrial strength Web-based applications, and use a wide variety of Web development tools effectively and efficiently. Students are introduced to the concepts of Internet Protocols, Java networking, JavaScript, VBScript and PHP. The material presented on Java network programming contains an elaborate description with examples to help the reader clearly understand the networking concepts. The book is intended as a text for students of Computer Science and Engineering, Information Technology, and Master of Computer Applications. Key Features • Presents well-designed material on HTML, DHTML, XML and PHP with many practical exercises. • Explains the development of servlets with simple examples. • Explores the programming features of JSPs. • Introduces the elements of ASPs with worked-out exercises. • Includes Review Questions and Objective Type Questions at the end of each chapter.

Introduction to Wireless and Mobile Systems "O'Reilly Media, Inc."

Software-defined networking (SDN) technologies powered by the OpenFlow protocol provide viable options to address the bandwidth needs of next-generation computer networks. And, since many large corporations already produce network devices that support the OpenFlow standard, there are opportunities for those who can manage complex and large-scale networks using these technologies. Network Innovation through OpenFlow and SDN: Principles and Design explains how you can use SDN and OpenFlow to build networks that are easy to design, less expensive to build and operate, and more agile and customizable. Among the first books to systematically address the design aspects in SDN/OpenFlow, it presents the insights of expert contributors from around the world. The book's four sections break down basic concepts, engineering design, QoS (quality-of-service), and advanced topics. Introduces the basic principles of SDN/OpenFlow and its applications in network systems Illustrates the entire design process of a practical OpenFlow/SDN Addresses the design issues that can arise when applying OpenFlow to cloud computing platforms Compares various solutions in QoS support Provides an overview of efficient solutions to the integration of SDN with optical networks Identifies the types of network attacks that could occur with OpenFlow and outlines possible solutions for overcoming them Supplying a cutting-edge look at SDN and OpenFlow, this book gives you the wide-ranging understanding required to build, deploy, and manage OpenFlow/SDN products and networks. The book's comprehensive coverage includes system

architectures, language and programming issues, switches, controllers, multimedia support, security, and network operating systems. After reading this book you will understand what it takes to make a smooth transition from conventional networks to SDN/OpenFlow networks.

Instant E-Commerce Alpha Science Int'l Ltd.

Publisher Description

Concise Computer Vision Sybex Incorporated

Informative as well as tutorial, this book explores the design of advanced multimedia systems in depth--the characteristics of multimedia systems, the design challenges, the emerging technologies that support advanced multimedia systems, design methodologies, and implementation techniques for converting the design to produce efficient, flexible, and extensive applications.

Multimedia Systems IOS Press

"Web Security, Privacy & Commerce" cuts through the hype and the front page stories. It tells readers what the real risks are and explains how to minimize them. Whether a casual (but concerned) Web surfer or a system administrator responsible for the security of a critical Web server, this book will tell users what they need to know.

SQL, PL/SQL - The Prog. Language Of Oracle - 3Rd Rev. Edn. Springer Science & Business Media

Multimedia Systems discusses the basic characteristics of multimedia operating systems, networking and communication, and multimedia middleware systems. The overall goal of the book is to provide a broad understanding of multimedia systems and applications in an integrated manner: a multimedia application and its user interface must be developed in an integrated fashion with underlying multimedia middleware, operating systems, networks, security, and multimedia devices. Fundamental characteristics of multimedia operating and distributed communication systems are presented, especially scheduling algorithms and other OS supporting approaches for multimedia applications with soft-real-time deadlines, multimedia file systems and servers with their decision algorithms for data placement, scheduling and buffer management, multimedia communication, transport, and streaming protocols, services with their error control, congestion control and other Quality of Service aware and adaptive algorithms, synchronization services with their skew control methods, and group communication with their group coordinating algorithms and other distributed services.

Green Chemistry bohem press

E-Governance is regarded as one of the most important subjects in the information society. Global e-governance for both public and private sectors is becoming extremely significant in an innovative and seamless world community. Waseda University Institute of e-Government, founded in 2001, is a pioneer for capacity-building on CIO training and human resource development as well as international ranking on e-government activities. It has also played an important role of regional ICT cooperation in the APEC region as APEC e-Government Research Center. This publication is divided into five parts: Information/Ubiquitous Society offers understanding of what information society or ubiquitous society is all about. E-Government deals with different countries/areas in the world focusing on all of their visions, strategies and priority areas as well as on the key challenges and lessons of e-Government. The selection covered (Japan, China, Thailand, USA, Brazil, Indonesia, Russia and Taiwan) gives a fair reflection of different e-Government scenarios. The third subject is e-Municipality and focuses on several key areas – some services, infrastructures and practices. In ICT and Applications several applications in the field of ICT including broadband and disaster issues are introduced and highlighted. The Role of CIO shows that CIO (Chief Information Officer) is at present the most attractive post within organizations at this stage of information society. This publication contains the views of various authors with a profound experience in global e-Governance. The quality of this book was ensured by the exemplary editorial efforts of the brilliant researchers at Waseda University Institute of e-Government.