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Advances in Electronics, Communication and Computing - Pradeep Kumar Mallick

2021-01-28

This book comprises select proceedings of the international conference ETAEERE 2020, and covers latest research in the areas of electronics, communication and computing. The book includes different approaches and techniques for specific applications using particle swarm optimization, Otsu's function and harmony search optimization algorithm, DNA-NAND gate, triple gate SOI MOSFET, micro-Raman and FTIR analysis, high-k dielectric gate oxide, spectrum sensing in cognitive radio, microstrip antenna, GPR with conducting surfaces, energy efficient packet routing, iBGP route reflectors, circularly polarized antenna, double fork shaped patch radiator, implementation of Doppler radar at 24 GHz, iris image classification using SVM, digital image forgery detection, secure communication, spoken dialog system, and DFT-DCT spreading strategies. Given the range of topics covered, this book can be useful for both students and researchers working in electronics and communication.

Problems In General Physics - I.E. Irodov

2008-12-01

Explainable Artificial Intelligence for Smart Cities - Mohamed Lahby 2021-11-10

Thanks to rapid technological developments in terms of Computational Intelligence, smart tools have been playing active roles in daily life. It is clear that the 21st century has brought about many advantages in using high-level computation and communication solutions to deal with real-world problems; however, more

technologies bring more changes to society. In this sense, the concept of smart cities has been a widely discussed topic in terms of society and Artificial Intelligence-oriented research efforts. The rise of smart cities is a transformation of both community and technology use habits, and there are many different research orientations to shape a better future. The objective of this book is to focus on Explainable Artificial Intelligence (XAI) in smart city development. As recently designed, advanced smart systems require intense use of complex computational solutions (i.e., Deep Learning, Big Data, IoT architectures), the mechanisms of these systems become 'black-box' to users. As this means that there is no clear clue about what is going on within these systems, anxieties regarding ensuring trustworthy tools also rise. In recent years, attempts have been made to solve this issue with the additional use of XAI methods to improve transparency levels. This book provides a timely, global reference source about cutting-edge research efforts to ensure the XAI factor in smart city-oriented developments. The book includes both positive and negative outcomes, as well as future insights and the societal and technical aspects of XAI-based smart city research efforts. This book contains nineteen contributions beginning with a presentation of the background of XAI techniques and sustainable smart-city applications. It then continues with chapters discussing XAI for Smart Healthcare, Smart Education, Smart Transportation, Smart Environment, Smart Urbanization and Governance, and Cyber Security for Smart Cities.

Machine Learning and AI Techniques in

Interactive Medical Image Analysis - Panigrahi, Lipismita 2022-09-16

The healthcare industry is predominantly moving towards affordable, accessible, and quality health care. All organizations are striving to build communication compatibility among the wide range of devices that have operated independently. Recent developments in electronic devices have boosted the research in the medical imaging field. It incorporates several medical imaging techniques and achieves an important goal for health improvement all over the world. Despite the significant advances in high-resolution medical instruments, physicians cannot always obtain the full amount of information directly from the equipment outputs, and a large amount of data cannot be easily exploited without a computer. Machine Learning and AI Techniques in Interactive Medical Image Analysis discusses how clinical efficiency can be improved by investigating the different types of intelligent techniques and systems to get more reliable and accurate diagnostic conclusions. This book further introduces segmentation techniques to locate suspicious areas in medical images and increase the segmentation accuracy. Covering topics such as computer-aided detection, intelligent techniques, and machine learning, this premier reference source is a dynamic resource for IT specialists, computer scientists, diagnosticians, imaging specialists, medical professionals, hospital administrators, medical students, medical technicians, librarians, researchers, and academicians.

Objective Physics for NEET. - Kumar Abhay 2016
Objective Physics for NEET and Other Medical Examination has been written to build a firm foundation of the guiding principles of physics among the medical aspirants. It is mainly designed for NEET but would also be useful for other medical entrance examinations, such as AIIMS, JIPMER and state-level exams.

How to Design TED-Worthy Presentation Slides (Black and White Edition) - Akash Karia 2015-02-01

Black & White edition This is the B&W edition of the book. All pictures inside will be in grayscale. "Reading this book changed my presentation style and my slides, both for the better - and I've been a professional speaker for over 30 years."~

Becki L. James How to Design TED-Worthy Presentation Slides is a short, practical and step-by-step guide to creating sexy slides. It is based on an extensive analysis of some of the best TED speakers, such as Brene Brown, Daniel Pink, Amy Cuddy, Larry Lessig, Seth Godin, Bill Gates and many, many more. LEARN HOW TO BREATHE LIFE INTO YOUR SLIDES, INSTEAD OF DRAINING IT OUT OF YOUR AUDIENCE By the end of this guide, you too will be able to create sexy presentation slides that keep your audiences mesmerized. More importantly, you will be able to design presentations that breathe life into your slides, instead of draining it out of your audience. Here's just a taste of what you'll learn inside the book: •The most common mistake most presenters make - and how you can avoid it •The one principle that will make you better than 90% of most speakers •How to quickly create a presentation storyboard •Bill Gates' trick for transforming his slides from dull to dashing •The Seth Godin presentation formula •The importance of contrast •Locating and using sexy fonts •Spicing up your presentations with video •Displaying data without being dull •Ensuring consistency between slides •How to deliver a great TED talk (or any other speech or presentation) •And much, much more... "A must read...An essential tool for preparing effective, interesting and "sexy" presentations...a must read for any professional who wants to improve his communicational skills."~ Rosalinda Scalia "The lessons shared in this short book will go a long way to helping a person give better public presentations. The insights shared by Akash are like golden nuggets in a river full of info!"~ Alan Portugal "I have been teaching workshops at universities and Fortune 500 Campuses up and down the East Coast on building better presentations. Akash hits all the right notes in this book. A must read for anyone wanting to build powerful presentations."~ David Bishop "Excellent for those who want to really engage their audience. I incorporated many of the principles within and developed a more effective product presentation."~ Tom Tipps "Right on the mark. Just what I was looking for as a non-designer."~ Erik J. Zettelmayer "Make a greater impact with your presentations. While reading this book I was mentally reviewing my talks

where I use PowerPoint slides. I am now changing some of those slides to make a greater impact on the listeners. These tips are easy to implement and make sense.”~ John C. Erdman
“As always we can expect the best from Akash and we are getting more.”~ Payam Bahrapoor
“This book gives practical advice. However, it does not stop there. It demonstrates how to use that advice, gives visual examples of what to do and what not to do and explains why. It turns creating a presentation from a dreaded event to one allowing creativity to flow and your passion about your subject matter to emerge on the screen through your slides.”~ Pandora Training and Consulting
“I will admit to rarely reviewing books. However, this book was such a step above any others I've read on the art of PowerPoint presentations, I had to give it a five star review.”~ David Schwind

Pound Foolish - Helaine Olen 2013-12-31

If you've ever bought a personal finance book, watched a TV show about stock picking, listened to a radio show about getting out of debt, or attended a seminar to help you plan for your retirement, you've probably heard some version of these quotes: “What's keeping you from being rich? In most cases, it is simply a lack of belief.” —SUZE ORMAN, *The Courage to Be Rich* “Are you latte-ing away your financial future?” —DAVID BACH, *Smart Women Finish Rich* “I know you're capable of picking winning stocks and holding on to them.” —JIM CRAMER, *Mad Money* They're common refrains among personal finance gurus. There's just one problem: those and many similar statements are false. For the past few decades, Americans have spent billions of dollars on personal finance products. As salaries have stagnated and companies have cut back on benefits, we've taken matters into our own hands, embracing the can-do attitude that if we're smart enough, we can overcome even daunting financial obstacles. But that's not true. In this meticulously reported and shocking book, journalist and former financial columnist Helaine Olen goes behind the curtain of the personal finance industry to expose the myths, contradictions, and outright lies it has perpetuated. She shows how an industry that started as a response to the Great Depression morphed into a behemoth that thrives by selling us products and services that offer little if any

help. Olen calls out some of the biggest names in the business, revealing how even the most respected gurus have engaged in dubious, even deceitful, practices—from accepting payments from banks and corporations in exchange for promoting certain products to blaming the victims of economic catastrophe for their own financial misfortune. *Pound Foolish* also disproves many myths about spending and saving, including: Small pleasures can bankrupt you: Gurus popularized the idea that cutting out lattes and other small expenditures could make us millionaires. But reducing our caffeine consumption will not offset our biggest expenses: housing, education, health care, and retirement. Disciplined investing will make you rich: Gurus also love to show how steady investing can turn modest savings into a huge nest egg at retirement. But these calculations assume a healthy market and a lifetime without any setbacks—two conditions that have no connection to the real world. Women need extra help managing money: Product pushers often target women, whose alleged financial ignorance supposedly leaves them especially at risk. In reality, women and men are both terrible at handling finances. Financial literacy classes will prevent future economic crises: Experts like to claim mandatory sessions on personal finance in school will cure many of our money ills. Not only is there little evidence this is true, the entire movement is largely funded and promoted by the financial services sector. Weaving together original reporting, interviews with experts, and studies from disciplines ranging from behavioral economics to retirement planning, *Pound Foolish* is a compassionate and compelling book that will change the way we think and talk about our money.

Competition Science Vision - 2004-03

Competition Science Vision (monthly magazine) is published by Pratiyogita Darpan Group in India and is one of the best Science monthly magazines available for medical entrance examination students in India. Well-qualified professionals of Physics, Chemistry, Zoology and Botany make contributions to this magazine and craft it with focus on providing complete and to-the-point study material for aspiring candidates. The magazine covers General Knowledge, Science and Technology news, Interviews of

toppers of examinations, study material of Physics, Chemistry, Zoology and Botany with model papers, reasoning test questions, facts, quiz contest, general awareness and mental ability test in every monthly issue.

Rising Threats in Expert Applications and Solutions - Vijay Singh Rathore 2020-10-01

This book presents high-quality, peer-reviewed papers from the FICR International Conference on Rising Threats in Expert Applications and Solutions 2020, held at IIS University Jaipur, Rajasthan, India, on January 17-19, 2020.

Featuring innovative ideas from researchers, academics, industry professionals and students, the book covers a variety of topics, including expert applications and artificial intelligence/machine learning; advanced web technologies, like IoT, big data, and cloud computing in expert applications; information and cybersecurity threats and solutions; multimedia applications in forensics, security and intelligence; advances in app development; management practices for expert applications; and social and ethical aspects of expert applications in applied sciences.

New Pattern Iit Jee Physics - D C Pandey

Connected E-Health - Sushruta Mishra 2022

With rise of smart medical sensors, cloud computing and the health care technologies, "connected health" is getting remarkable consideration everywhere. Recently, the Internet of Things (IoT) has brought the vision of a smarter world into reality. Cloud computing fits well in this scenario as it can provide high quality of clinical experience. Thus an IoT-cloud convergence can play a vital role in healthcare by offering better insight of heterogeneous healthcare content supporting quality care. It can also support powerful processing and storage facilities of huge data to provide automated decision making. This book aims to report quality research on recent advances towards IoT-Cloud convergence for smart healthcare, more specifically to the state-of-the-art approaches, design, development and innovative use of those convergence methods for providing insights into healthcare service demands. Students, researchers, and medical experts in the field of information technology, medicine, cloud computing, soft computing

technologies, IoT and the related fields can benefit from this handbook in handling real-time challenges in healthcare. Current books are limited to focus either on soft computing algorithms or smart healthcare. Integration of smart and cloud computing models in healthcare resulting in connected health is explored in detail in this book.

Preparing for Product Interviews: A Product-ive Guide to Landing a Job in PM - Advait Sridhar 2019-08-27

Preparing for Product Interviews is a one-stop guide for anyone wishing to successfully ace a Product Management Interview and land a job in PM. The book contains sample interview cases for the different types of product cases, as well as information on how to get shortlisted for PM interviews. Apart from these, the book contains interviews with established Product Managers in the global technology industry, which will help you better understand the PM role.

IoT and IoE Driven Smart Cities - Samarendra Nath Sur 2021-12-15

This book provides detail on applying Internet of Things (IoT) and Internet of Everything (IoE) in smart cities and their design aspects related to physical and network layer models. The authors explore the possibilities of utilizing communication technologies like multi-input multi-output (MIMO), narrow-band IoT (NB-IoT), ultra-reliable low latency communications (URLLC), enhanced mobile broadband (eMBB), and massive machine-type communications (mMTC) for successful implementation of the IoT/IoE. The authors also address the development and advancement in cloud computing to support IoT and IoE. Research on the challenges and future predictions for efficiently implementing and exploring the benefits of smart cities are also explored. The book pertains to researchers, academics, and professionals in the field. Discusses the applicability of Internet of Things (IoT) and Internet of Everything (IoE) for smart cities; Addresses different protocols, networks, and technologies related to the implementation of IoT and IoE for smart cities; Provides a detailed overview on the physical and network layer design and signal processing algorithms related to IoT and IoE.

Cognitive Informatics and Soft Computing -

Pradeep Kumar Mallick 2021-07-01

This book presents best selected research papers presented at the 3rd International Conference on Cognitive Informatics and Soft Computing (CISC 2020), held at Balasore College of Engineering & Technology, Balasore, Odisha, India, from 12 to 13 December 2020. It highlights, in particular, innovative research in the fields of cognitive informatics, cognitive computing, computational intelligence, advanced computing, and hybrid intelligent models and applications. New algorithms and methods in a variety of fields are presented, together with solution-based approaches. The topics addressed include various theoretical aspects and applications of computer science, artificial intelligence, cybernetics, automation control theory, and software engineering.

14 Years Solved Papers NEET 2022 - Arihant Experts 2021-11-25

1. 14 Years' Solved Papers is collection of previous years solved papers of NEET 2. This book covers all CBSE AIPMT and NTA NEET papers 3. Chapterwise and Unitwise approach to analysis questions 4. Each question is well detailed answered to understand the concept as whole 5. Online access to CBSE AIPMT SOLVED PAPER (Screening + Mains) 2008 When preparing for an examination like NEET, the pattern and the question asked in the examination are always intriguing for aspirants. This is where Solved Papers play their major role in helping students to cope up with the attempting criteria of the exam. Presenting the "14 Years' Solved Papers [2021 - 2008]" that has been designed with a structured approach as per the latest NEET Syllabus requirement. As the title of the book suggests, it contains ample previous year's papers, which help to identify and self-analyze the preparation level for the exam. Enriched with problem solving tools, this book serves a one stop solution for all 3 subjects; Physics, Chemistry and Biology. Well detailed answers are given for all questions that provide deep conceptual understanding of the problems. This book can be treated as a sufficient tool for learning, active answering style and time management skills. TOC NEET Solved Paper 2021, NEET Solved Paper 2020 (Oct.), NEET Solved Paper 2020 (Sep.), NEET National Paper 2019, NEET Odisha Paper 2021, NEET Solved

Paper 2018, NEET Solved Paper 2017, NEET Solved Paper 2016(Phase II), NEET Solved Paper 2016 (Phase - I), CBSE AIPMT 2015 (Cancelled - May), CBSE AIPMT 2015 (Latest - May), CBSE AIPMT 2015 (Latest - July), CBSE AIPMT Solved Paper 2014, NEET Solved Paper 2013, CBSE AIPMT 2012 (Screening + Mains), CBSE AIPMT 2011 (Screening + Mains), CBSE AIPMT 2010 (Screening + Mains).

The Internet of Drones - Arun Solanki 2022-11-03

In recent years, drones have been integrated with the Internet of Things to offer a variety of exciting new applications. Here is a detailed exploration of adapting and implementing Internet of Drones technologies in real-world applications, emphasizing solutions to architectural challenges and providing a clear overview of standardization and regulation, implementation plans, and privacy concerns. The book discusses the architectures and protocols for drone communications, implementing and deploying of 5G-drone setups, security issues, deep learning techniques applied on real-time footage, and more. It also explores some of the varied applications, such as for monitoring and analysis of troposphere pollutants, providing services and communications in smart cities (such as for weather forecasting, communications, transport, safety and protection), for disaster relief management, for agricultural crop monitoring, and more.

Enhanced Telemedicine and e-Health - Gonçalo Marques 2021-06-10

In recent years, new applications on computer-aided technologies for telemedicine have emerged. Therefore, it is essential to capture this growing research area concerning the requirements of telemedicine. This book presents the latest findings on soft computing, artificial intelligence, Internet of Things and related computer-aided technologies for enhanced telemedicine and e-health. Furthermore, this volume includes comprehensive reviews describing procedures and techniques, which are crucial to support researchers in the field who want to replicate these methodologies in solving their related research problems. On the other hand, the included case studies present novel approaches using computer-aided methods for enhanced

telemedicine and e-health. This volume aims to support future research activities in this domain. Consequently, the content has been selected to support not only academics or engineers but also to be used by healthcare professionals.

Target SSC CHSL (10 + 2) 2021 Exam - 5 Past Solved Papers + 20 Practice Sets with 3 Online Tests 3rd Edition - Disha Experts
2020-02-04

Indian Defence Review - Bharat Verma
2009-07-19

In This Volume: Take the war to the enemy - Bharat Verma
INDIAN DEFENCE REVIEW
COMMENT: Islam and its many trends - Anand K Verma
Is this how we treat our military? - RSN Singh
DEFENCE and TECHNOLOGY MONITOR:
India's Mission to Moon - G Madhavan Nair
Indian Air Force of the Future - Air Marshal BK Pandey
Way to a credible deterrent - Arun S Vishwakarma
Shourya/Sagarika Missile - Arun S Vishwakarma
Indian Defence Procurement Regime: Dissuasive Features - Maj Gen Mrinal Suman
Emerging Asian Security Environment - Kanwal Sibal
Intelligence Reform - Vikram Sood
The Chinese Conundrum: Friends and Foes - Air Marshal Narayan Menon
The killers' mace of the dark visitors - Claude Arpi
Technologies and National Security - Ajey Lele
Dealing with Pakistan - Lt Gen HC Dutta
Air Power and Irregular Warfare: In the Indian Context - Air Cmde Arjun Subramaniam
DEFENCE and TECHNOLOGY MONITOR: Maritime Security - Commodore G Sharma
Alternative Power Source for LCA BEL MBDA
CONTROP Terrorist Attacks From Sea: Role of Offshore Patrol Vessels - Vice Adm Rajeshwer Nath
Defence procurements sans competition - Maj Gen Mrinal Suman
Coastal and maritime security: Two Sides of the Same Coin - Vice Adm PS Das
India's sea-blindness - Cdr Gurpreet S Khurana
India and China in Space - Jagannath P Panda and Ajey Lele
From Kashmir to Mumbai: Terror Comes Full Circle - Rohit Singh
ON THE SPOT REPORT: Gaps in Maritime Security - VK Shashikumar
Ulfa's niche war - Colonel Rajinder Singh
The Poonch Fiasco: A Time to Ponder - Rohit Singh
EXECUTIVE SUMMARY BY B RAMAN: Pakistan banks on perceived Indian amenability to US pressure
Why Miliband tries to rationalize LeT's terrorist attack in

Mumbai? DEFENCE and TECHNOLOGY

MONITOR: Eurofighter EADS

DandSVIEWPOINT: Solution to the Pakistani

terrorist quagmire - Vijaykumar S Kasi

IoT in Healthcare and Ambient Assisted Living -

Gonçalo Marques 2021-01-04

This book presents the state of the art of Internet of Things (IoT) from the perspective of healthcare and Ambient Assisted Living (AAL). It discusses the emerging technologies in healthcare services used for healthcare professionals and patients for enhanced living environments and public health. The topics covered in this book include emerging eHealth IoT applications, Internet of Medical Things, health sensors, and wearable sensors for pervasive and personalized healthcare, and smart homes applications for enhanced health and well-being. The book also presents various ideas for the design and development of IoT solutions for healthcare and AAL. It will be useful for bioengineers and professionals working in the areas of healthcare as well as health informatics.

DNA and RNA Isolation Techniques for Non-Experts - Akash Gautam 2022-04-30

This thorough introductory volume presents the background, applications, and stepwise directions for standard DNA and RNA isolation techniques. Unlike a kit chemistry approach, this book provides a breadth of information necessary for junior or non-expert researchers to learn and apply these techniques in their work. An accessible, indispensable how-to guide for researchers in immunology, molecular biology, zoology, forensic science, genetics, botany, neuroscience, physiology, and others.

Advances in Greener Energy Technologies - Akash Kumar Bhoi 2020-05-15

This book presents ongoing research activities of currently available renewable energy technologies and the approaches towards clean technology for enabling a socio-economic model for the present and future generations to live in a clean and healthy environment. The book provides chapter wise implementation of research works in the area of green energy technologies with proper methods used with solution strategies and energy efficiency approaches by combining theory and practical applications. Readers are introduced to practical

problems of green computation and hybrid resources optimization with solution based approaches from the current research outcomes. The book will be of use to researchers, professionals, and policy-makers alike.

Mergers, Acquisitions, and Corporate Restructurings - Patrick A. Gaughan 2017-11-27
The essential M&A primer, updated with the latest research and statistics Mergers, Acquisitions, and Corporate Restructurings provides a comprehensive look at the field's growth and development, and places M&As in realistic context amidst changing trends, legislation, and global perspectives. All-inclusive coverage merges expert discussion with extensive graphs, research, and case studies to show how M&As can be used successfully, how each form works, and how they are governed by the laws of major countries. Strategies and motives are carefully analyzed alongside legalities each step of the way, and specific techniques are dissected to provide deep insight into real-world operations. This new seventh edition has been revised to improve clarity and approachability, and features the latest research and data to provide the most accurate assessment of the current M&A landscape. Ancillary materials include PowerPoint slides, a sample syllabus, and a test bank to facilitate training and streamline comprehension. As the global economy slows, merger and acquisition activity is expected to increase. This book provides an M&A primer for business executives and financial managers seeking a deeper understanding of how corporate restructuring can work for their companies. Understand the many forms of M&As, and the laws that govern them Learn the offensive and defensive techniques used during hostile acquisitions Delve into the strategies and motives that inspire M&As Access the latest data, research, and case studies on private equity, ethics, corporate governance, and more From large megadeals to various forms of downsizing, a full range of restructuring practices are currently being used to revitalize and supercharge companies around the world. Mergers, Acquisitions, and Corporate Restructurings is an essential resource for executives needing to quickly get up to date to plan their own company's next moves.

A Plan That Actually Works - Anagh Prasad
2020-07-13

Written by a former All India Topper, this book has been touted by several iconic IITians as the most effective book on JEE planning ever written! Anagh argues that most IITians are neither born-geniuses nor unusually intense work-machines; they are smart planners instead. He takes you behind-the-scenes to reveal how smart planning works for JEE and lays out a clear framework for goal-oriented thinking. The step by step approach outlined across 11 chapters covers everything from daily routine to efficient practice to long term motivation, all explained through real life examples and presented with time-tested proofs. It talks about achieving one's goals while not missing out on a balanced life and questions people's deepest beliefs about achieving a large and meaningful goal like IIT-JEE. After finishing the book, readers will take away not just a concrete plan to prepare for JEE, but in the words of an early reviewer, a "life-altering" change in perspective towards success. "Edifying and thought-provoking! Reading this book will help you succeed not only in JEE but also in life." - Chitraang Murdia, AIR-1 in JEE Adv, 2014 "Covers a lot of important topics and explains goal setting well" - Aman Bansal, AIR-1 in JEE Adv, 2016 "Develops a holistic strategy to ace the JEE" - Ananye Agarwal, AIR-3 in JEE Adv, 2017 "Informative and Inspirational! It unravels the inner workings of a topper's mind" - Amey Gupta, AIR-8 in JEE Adv, 2014 "It will enable students to follow tested winning strategies rather than reinvent the wheel" - Kartikeya Gupta, AIR-4 in JEE Adv, 2013 "It iterates on the timeless wisdom of BhagvadGita to excel not only in JEE but any goal in life" - Vishwajeet Agarwal, AIR-5 in JEE Main, 2017. More about the book can be found out at www.thejeeproject.com

A Practical Guide to Peritoneal Malignancy - Tom Cecil 2019-11-06

Peritoneal malignancy is a rapidly growing field within surgical oncology. National and International treatment programmes and training curricula are being established worldwide to co-ordinate treatment and management of these challenging clinical problems. A large body of evidence now exists,

but the practical implications of this evidence base remain unclear. The Peritoneal Malignancy Institute in Basingstoke, the largest centre in the world, is at the forefront of new developments and techniques. This manual combines the experience of the PMI with the latest evidence to provide a practice-oriented guide to the successful set up and running of a peritoneal malignancy unit.

Challenging Concepts in Paediatric Critical Care - Consultant Paediatric Intensivist Hari Krishnan 2021-01-05

This practical title presents 18 challenging cases in paediatric critical care, complete with case histories and evidence-based, up-to-date learning points and clinical tips. Each chapter has commentary from an expert who identifies and explains the key points and controversies of the case.

Advances in Systems, Control and Automations - Akash Kumar Bhoi 2021-03-19

This book comprises select proceedings of the international conference ETAEERE 2020. This volume covers latest research in advanced approaches in automation, control based devices, and adaptive learning mechanisms. The contents discuss the complex operations and behaviors of different systems or machines in different environments. Some of the areas covered include control of linear and nonlinear systems, intelligent systems, stochastic control, knowledge-based systems applications, fault diagnosis and tolerant control, and real-time control applications. The contents of this volume can be useful for researchers as well as professionals working in control and automation.

Endocrine Disrupting Chemicals-induced Metabolic Disorders and Treatment Strategies - Muhammad Sajid Hamid Akash 2020-08-04

This volume offers a detailed and comprehensive analysis of Endocrine Disrupting Chemicals (EDCs), covering their occurrence, exposure to humans and the mechanisms that lead to the pathogenesis of EDCs-induced metabolic disorders. The book is divided into three parts. Part I describes the physiology of the human endocrine system, with special emphasis on various types of metabolic disorders along with risk factors that are responsible for the development of these disorders. Part II addresses all aspects of EDCs, including their

role in the induction of various risk factors that are responsible for the development of metabolic disorders. Part III covers up-to-date environmental regulatory considerations and treatment strategies that have been adopted to cure and prevent EDCs-induced metabolic disorders. This section will primarily appeal to clinicians investigating the causes and treatment of metabolic disorders. The text will also be of interest to students and researchers in the fields of Environmental Pharmacology and Toxicology, Environmental Pollution, Pharmaceutical Biochemistry, Biotechnology, and Drug Metabolism/Pharmacokinetics.

Elements of Programming Interviews - Adnan Aziz 2012-10-11

The core of EPI is a collection of over 300 problems with detailed solutions, including 100 figures, 250 tested programs, and 150 variants. The problems are representative of questions asked at the leading software companies. The book begins with a summary of the nontechnical aspects of interviewing, such as common mistakes, strategies for a great interview, perspectives from the other side of the table, tips on negotiating the best offer, and a guide to the best ways to use EPI. The technical core of EPI is a sequence of chapters on basic and advanced data structures, searching, sorting, broad algorithmic principles, concurrency, and system design. Each chapter consists of a brief review, followed by a broad and thought-provoking series of problems. We include a summary of data structure, algorithm, and problem solving patterns.

Competition Science Vision - 2004-02

Competition Science Vision (monthly magazine) is published by Pratiyogita Darpan Group in India and is one of the best Science monthly magazines available for medical entrance examination students in India. Well-qualified professionals of Physics, Chemistry, Zoology and Botany make contributions to this magazine and craft it with focus on providing complete and to-the-point study material for aspiring candidates. The magazine covers General Knowledge, Science and Technology news, Interviews of toppers of examinations, study material of Physics, Chemistry, Zoology and Botany with model papers, reasoning test questions, facts, quiz contest, general awareness and mental

ability test in every monthly issue.

Social Entrepreneurship - David M. Wasieleski
2021-11-24

Volume Five of Business and Society 360 focuses on research from leading scholars in this discipline contribute to a 360-degree evaluation of theory, including cross-discipline research, empirical explorations, cross-cultural studies, literature critiques, and meta-analysis projects.

Environment at Crossroads Challenges and Green Solutions - Arun Arya 2020-07-17

The global environment has significantly changed due to a number of factors such as industrial pollution, expansion of agricultural land way beyond the fringe forest zones, destruction of virgin forests, loss of quality agricultural lands due to soil erosion, loss of global wildlife and biodiversity, climate change, global warming, devastating forest fires, floods, draughts, melting of glaciers to mention a few. Human or anthropogenic impacts are in turn devastating the planet with our attention being shifted only to the shining aspect of our civilizations. The most alarming fact about this hidden factor is that they are all directly or indirectly impacted by human activities in some way or other. The present work, Environment at Crossroads deals with various environmental problems like climate change, global warming, food security, bioremediation of waste, oil spills, and problems of heavy metal toxicity, control strategies like use of gene therapy, conservation of mangroves, revival of river Vishwamitri and role of plant and animals in biodiversity conservation is discussed.

Cyber Law in India - Talat Fatima 2017-02-24

Derived from the renowned multi-volume International Encyclopaedia of Laws, this practical guide to cyber law - the law affecting information and communication technology (ICT) - in India covers every aspect of the subject, including intellectual property rights in the ICT sector, relevant competition rules, drafting and negotiating ICT-related contracts, electronic transactions, privacy issues, and computer crime. Lawyers who handle transnational matters will appreciate the detailed explanation of specific characteristics of practice and procedure. Following a general introduction, the book assembles its information and guidance in seven main areas of practice: the regulatory

framework of the electronic communications market; software protection, legal protection of databases or chips, and other intellectual property matters; contracts with regard to software licensing and network services, with special attention to case law in this area; rules with regard to electronic evidence, regulation of electronic signatures, electronic banking, and electronic commerce; specific laws and regulations with respect to the liability of network operators and service providers and related product liability; protection of individual persons in the context of the processing of personal data and confidentiality; and the application of substantive criminal law in the area of ICT. Its succinct yet scholarly nature, as well as the practical quality of the information it provides, make this book a valuable time-saving tool for business and legal professionals alike. Lawyers representing parties with interests in India will welcome this very useful guide, and academics and researchers will appreciate its value in the study of comparative law in this relatively new and challenging field.

Evolution of Software-Defined Networking Foundations for IoT and 5G Mobile

Networks - Kumar, Sunil 2020-10-23

5G is the upcoming generation of the wireless network that will be the advanced version of 4G LTE+ providing all the features of a 4G LTE network and connectivity for IoT devices with faster speed and lower latency. The 5G network is going to be a service-oriented network, connecting billions of IoT devices and mobile phones through the wireless network, and hence, it needs a special emphasis on security. Security is the necessary enabler for the continuity of the wireless network business, and in 5G, network security for IoT devices is the most important aspect. As IoT is gaining momentum, people can remotely operate or instruct their network devices. Therefore, there is a need for robust security mechanisms to prevent unauthorized access to the devices. Evolution of Software-Defined Networking Foundations for IoT and 5G Mobile Networks is a collection of innovative research on the security challenges and prevention mechanisms in high-speed mobile networks. The book explores the threats to 5G and IoT and how to implement effective security architecture for

them. While highlighting topics including artificial intelligence, mobile technology, and ubiquitous computing, this book is ideally designed for cybersecurity experts, network providers, computer scientists, communication technologies experts, academicians, students, and researchers.

Advanced Problems In Physical Chemistry For Competitive Examination - Neeraj Kumar 2015
Advanced Problems in Physical Chemistry has been conceived to meet the specific requirements of the students preparing for IIT-JEE, Olympiad and other competitive examinations. This book provides a comprehensive and systematic coverage of problems in physical chemistry and enables quick applications of concepts through numerous problems provided in each chapter. The problems are graded as per JEE Main and Advanced respectively. The best way to ensure that students understand the concepts of physical chemistry is to solve as many problems on each topic. This book is a must-have resource for candidates preparing for JEE Main and Advanced exams.

Abstracts of Proceedings National Conference on Knowledge, Innovations, and Technologies for Sustainability” (NCKITS - 2022) in association with ACM and SCRS Student Chapter - Dr.K.Reddy

Madhavi,Dr.K.Suresh,Dr.D.Ganesh,Dr. B. Narendra Kumar Rao 2022-11-10

Dr.K.Reddy

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Computational Systems Biology - Paola Lecca 2016-07-29

Computational Systems Biology: Inference and Modelling provides an introduction to, and overview of, network analysis inference approaches which form the backbone of the model of the complex behavior of biological systems. This book addresses the challenge to integrate highly diverse quantitative approaches into a unified framework by highlighting the relationships existing among network analysis, inference, and modeling. The chapters are light in jargon and technical detail so as to make them accessible to the non-specialist reader. The book is addressed at the heterogeneous public of modelers, biologists, and computer scientists.

Provides a unified presentation of network inference, analysis, and modeling Explores the connection between math and systems biology, providing a framework to learn to analyze, infer, simulate, and modulate the behavior of complex biological systems Includes chapters in modular format for learning the basics quickly and in the context of questions posed by systems biology Offers a direct style and flexible formalism all through the exposition of mathematical concepts and biological applications

Concepts Of Physics - Harish Chandra Verma 1999

Verification, Model Checking, and Abstract Interpretation - Deepak D'Souza 2014-12-11

This book constitutes the refereed proceedings of the 16th International Conference on Verification, Model Checking, and Abstract Interpretation, VMCAI 2015, held in Mumbai, India, in January 2015. The 24 revised full papers presented were carefully reviewed and selected from 53 submissions. The papers cover a wide range of topics including program verification, model checking, abstract interpretation, abstract domains, program synthesis, static analysis, deductive methods, program certification, error diagnosis, program transformation, and hybrid and cyberphysical systems.

Challenges and Solutions for Sustainable Smart City Development - R. Maheswar 2021-05-22

This book discusses advances in smart and sustainable development of smart environments. The authors discuss the challenges faced in developing sustainable smart applications and provide potential solutions. The solutions are aimed at improving reliability and security with the goal of affordability, safety, and durability. Topics include health care applications, sustainable smart transportation systems, intelligent sustainable wearable electronics, and sustainable smart building and alert systems. Authors are from both industry and academia and present research from around the world. Addresses problems and solutions for sustainable development of smart cities; Includes applications such as healthcare, transportation, wearables, security, and more; Relevant for scientist and researchers working

on real time smart city development.