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India-China Relations Jawaharlal Nehru 1961

Elements of the Theory of Computation Harry R. Lewis 1981

Industrial Engineering And Management O. P. Khanna 1980

Basic Civil Engineering S. S. Bhavikatti 2019

A Textbook of Fluid Mechanics R. K. Bansal 2005-02

Control Engineering in Robotics and Industrial Automation Muralindran Mariappan 2021-08-12 This book is the first research collection by the Malaysian Society for Automatic Control Engineers (MACE). Numerous applications of control engineering, sensor, and instrumentation technology in robotics, industrial automation, and other mechatronic systems are presented in this book. The book begins by introducing control engineering in robotics and industrial automation. It progresses through a series of chapters, discussing the application of control engineering in various areas such as: brake-by-wire technology; web scrubber systems; robot localization; and, autonomous navigation systems. Coverage of swarm robotics behaviors and applications of sensor technology in the field of music, biomedical technology, and structural analysis takes the book beyond its core of mechatronic systems and demonstrates a more diverse application of the ideas it presents. Each chapter provides comprehensive and detailed coverage of the main ideas, design methods, and practical needs of its chosen topic, making this book accessible and useful to researchers, engineers, postgraduates, and undergraduate students.

Geometry: from Isometries to Special Relativity Nam-Hoon Lee 2020-04-28 This textbook offers a geometric perspective on special relativity, bridging Euclidean space, hyperbolic space, and Einstein's spacetime in one accessible, self-contained volume.

Using tools tailored to undergraduates, the author explores Euclidean and non-Euclidean geometries, gradually building from intuitive to abstract spaces. By the end, readers will have encountered a range of topics, from isometries to the Lorentz–Minkowski plane, building an understanding of how geometry can be used to model special relativity. Beginning with intuitive spaces, such as the Euclidean plane and the sphere, a structure theorem for isometries is introduced that serves as a foundation for increasingly sophisticated topics, such as the hyperbolic plane and the Lorentz–Minkowski plane. By gradually introducing tools throughout, the author offers readers an accessible pathway to visualizing increasingly abstract geometric concepts. Numerous exercises are also included with selected solutions provided. Geometry: from Isometries to Special Relativity offers a unique approach to non-Euclidean geometries, culminating in a mathematical model for special relativity. The focus on isometries offers undergraduates an accessible progression from the intuitive to abstract; instructors will appreciate the complete instructor solutions manual available online. A background in elementary calculus is assumed.

Fundamentals of Thermodynamics Claus Borgnakke 2013-06-27 Now in a new edition, this book continues to set the standard for teaching readers how to be effective problem solvers, emphasizing the authors's signature methodologies that have taught over a half million students worldwide. This new edition provides a student-friendly approach that emphasizes the relevance of thermodynamics principles to some of the most critical issues of today and coming decades, including a wealth of integrated coverage of energy and the environment, biomedical/bioengineering, as

well as emerging technologies. Visualization skills are developed and basic principles demonstrated through a complete set of animations that have been interwoven throughout.

ICT Systems and Sustainability Milan Tuba 2020-02-29 This book proposes new technologies and discusses future solutions for ICT design infrastructures, as reflected in high-quality papers presented at the 4th International Conference on ICT for Sustainable Development (ICT4SD 2019), held in Goa, India, on 5–6 July 2019. The conference provided a valuable forum for cutting-edge research discussions among pioneering researchers, scientists, industrial engineers, and students from all around the world. Bringing together experts from different countries, the book explores a range of central issues from an international perspective.

Civil Engineering (Conventional & Objective Type)

R. S. Khurmi 2007

Computer Organization & Architecture 7e Stallings 2008-02

Vetiver Grass National Research Council 1993-02-01 For developing nations, soil erosion is among the most chronic environmental and economic burdens. Vast amounts of topsoil are washed or blown away from arable land only to accumulate in rivers, reservoirs, harbors, and estuaries, thereby creating a double disaster: a vital resource disappears from where it is desperately needed and is deposited where it is equally unwanted. Despite much rhetoric and effort, little has been done to overcome this problem. Vetiver, a little-known tropical grass, offers one practical and inexpensive way to control erosion on a huge scale in both humid and semi-arid regions. Hedges of this deeply rooted species catch and hold back sediments while the stiff foliage acts as a filter that also slows runoff and keeps moisture

on site. This book assesses vetiver's promise and limitations and identifies places where this grass can be deployed without undue environmental risk.

Fundamentals of Probability and Statistics for Engineers T. T. Soong 2004-06-25 This textbook differs from others in the field in that it has been prepared very much with students and their needs in mind, having been classroom tested over many years. It is a true "learner's book" made for students who require a deeper understanding of probability and statistics. It presents the fundamentals of the subject along with concepts of probabilistic modelling, and the process of model selection, verification and analysis. Furthermore, the inclusion of more than 100 examples and 200 exercises (carefully selected from a wide range of topics), along with a solutions manual for instructors, means that this text is of real value to students and lecturers across a range of engineering disciplines.

Key features: Presents the fundamentals in probability and statistics along with relevant applications. Explains the concept of probabilistic modelling and the process of model selection, verification and analysis. Definitions and theorems are carefully stated and topics rigorously treated. Includes a chapter on regression analysis. Covers design of experiments. Demonstrates practical problem solving throughout the book with numerous examples and exercises purposely selected from a variety of engineering fields. Includes an accompanying online Solutions Manual for instructors containing complete step-by-step solutions to all problems.

Earthquake Preparedness and Disaster Relief in Nepal 2015-05-01 Nepal is in one of the most active earthquake regions in the world. Nepal's current non-earthquake-resistant infrastructure, lack of sufficient modern communication networks, and

limited facilities and manpower in the medical sector are the major threats to life and property during a major earthquake. On March 31, 2010, under the auspices of three leading Nepali diaspora professional organizations in the United States of America--American Society of Nepalese Engineers (ASNEngr), America Nepal Medical Foundation (ANMF), and Computer Association of Nepal-USA (CAN-USA)--a joint initiative on Earthquake Preparedness and Disaster Relief in Nepal, of which this position/concept paper is a product, was launched to help understand the current status of earthquake preparedness in Nepal. This position paper describes the challenges that Nepal will face if and when another large-magnitude earthquake strikes like the devastating January 16, 1934 Nepal-Bihar earthquake. The paper also provides a list of recommendations to be considered to minimize the loss of life and property, especially in the densely populated Kathmandu valley. The document is peer-reviewed by a group of individuals having expertise in the related areas.

Computational Structural Engineering Yong Yuan 2009-06-05 Following the great progress made in computing technology, both in computer and programming technology, computation has become one of the most powerful tools for researchers and practicing engineers. It has led to tremendous achievements in computer-based structural engineering and there is evidence that current devel- ments will even accelerate in the near future. To acknowledge this trend, Tongji University, Vienna University of Technology, and Chinese Academy of Engine- ing, co-organized the International Symposium on Computational Structural En- neering 2009 in Shanghai (CSE'09). CSE'09 aimed at providing a forum for presentation and discussion of sta- of-the-art development in

scientific computing applied to engineering sciences. Emphasis was given to basic methodologies, scientific development and engineeing applications. Therefore, it became a central academic activity of the Inter- tional Association for Computational Mechanics (IACM), the European Com- nity on Computational Methods in Applied Sciences (ECCOMAS), The Chinese Society of Theoretical and Applied Mechanic, the China Civil Engineering So- ety, and the Architectural Society of China. A total of 10 invited papers, and around 140 contributed papers were p- sented in the proceedings of the symposium. Contributors of papers came from 20 countries around the world and covered a wide spectrum related to the computional structural engineering.

Jnu Rph Editorial Board 2020-10 Present book has been specially published for the aspirants of Entrance Exam for admission to M.A. (International Relations and Area Studies) course conducted by the Jawaharlal Nehru University, Delhi. Salient Features of the Book: - The book comprises, along with the Specialised Study Material, Solved Previous Year Paper to make you well-conversant with the exam pattern, the type of questions asked and their appropriate answers for Better Understanding. - The book contains ample Study and Practice Material with numerous Multiple Choice Question-Answers on all the relevant chapters & topics. - Both the Study and Practice Material have been prepared by learned Subject-expert. The book will serve both as Study Material and a True Test of your preparation for the exam. - It is believed, the book will prove very useful for study, practice and during precious moments before the exam for reference and revision. It is highly recommended to Sharpen your Problem Solving Skills with thorough practice of numerous questions

provided in the book, and prepare yourself to face the exam with Confidence, Successfully. While the specialised study and practice material of this book is aimed to professionally guide you for the exam, your own intelligent study and practice in harmony with this will Ensure you a definite Success in your endeavour and a seat in the Prestigious Course.

Progress in Computing, Analytics and Networking Himansu Das 2020-03-26 This book focuses on new and original research ideas and findings in three broad areas: computing, analytics, and networking and their potential applications in the various domains of engineering – an emerging, interdisciplinary area in which a wide range of theories and methodologies are being investigated and developed to tackle complex and challenging real-world problems. The book also features keynote presentations and papers from the International Conference on Computing Analytics and Networking (ICCAN 2019), which offers an open forum for scientists, researchers and technocrats in academia and industry from around the globe to present and share state-of-the-art concepts, prototypes, and innovative research ideas in diverse fields. Providing inspiration for postgraduate students and young researchers working in the field of computer science & engineering, the book also discusses hardware technologies and future communication technologies, making it useful for those in the field of electronics.

Expert Clouds and Applications I. Jeena Jacob 2021-07-15 This book features original papers from International Conference on Expert Clouds and Applications (ICOECA 2021), organized by GITAM School of Technology, Bangalore, India during February 18–19, 2021. It covers new research insights on artificial intelligence, big data, cloud

computing, sustainability, and knowledge-based expert systems. The book discusses innovative research from all aspects including theoretical, practical, and experimental domains that pertain to the expert systems, sustainable clouds, and artificial intelligence technologies.

Annual Report of the Department of Health ...

Chicago (Ill.). Department of Health 1911 Proceedings of International Conference on Communication and Networks Nilesh K. Modi 2016-12-18 The volume contains 75 papers presented at International Conference on Communication and Networks (COMNET 2015) held during February 19–20, 2016 at Ahmedabad Management Association (AMA), Ahmedabad, India and organized by Computer Society of India (CSI), Ahmedabad Chapter, Division IV and Association of Computing Machinery (ACM), Ahmedabad Chapter. The book aims to provide a forum to researchers to propose theory and technology on the networks and services, share their experience in IT and telecommunications industries and to discuss future management solutions for communication systems, networks and services. It comprises of original contributions from researchers describing their original, unpublished, research contribution. The papers are mainly from 4 areas – Security, Management and Control, Protocol and Deployment, and Applications. The topics covered in the book are newly emerging algorithms, communication systems, network standards, services, and applications.

Civil Engineering R. S. Khurmi 2000-11-01 C++ Multithreading Cookbook Milos Ljumovic 2014-10-25 Over 60 recipes to help you create ultra-fast multithreaded applications using C++ with rules, guidelines, and best practices Overview Create multithreaded applications using the power

of C++ Upgrade your applications with parallel execution in easy-to-understand steps Stay up to date with new Windows 8 concurrent tasks Avoid classical synchronization problems Understand Windows API and concurrent execution What you will learn from this book Use an object-oriented programming model with inheritance, overloading, and polymorphism Solve common Interprocess Communication problems and avoid deadlocks or starvation problems in your application development Manage threads efficiently using the CThread class Explore .NET CLI/C++ features as well as synchronization objects and techniques Make use of parallel techniques in code design Use machine resources in concurrent execution Enable programs to work with each other using Message Passing Avoid classic synchronization problems In Detail Creating multithreaded applications is a present-day approach towards programming. With the power of C++, you can easily create various types of applications and perform parallelism and optimizations in your existing work. This book is a practical, powerful, and easy-to-understand guide to C++ multithreading. You will learn how to benefit from the multithreaded approach and enhance your development skills to build better applications. This book will not only help you avoid problems when creating parallel code, but also help you to understand synchronization techniques. The end goal of the book will be to impart various multithreading concepts that will enable you to do parallel computing and concurrent programming quickly and efficiently. Approach The book is an easy-to-follow guide for creating multi-threaded applications using C++. Each topic is thoroughly explained with multiple illustrations. Many algorithms, such as Dinning Philosophers Problem give you thorough explanations that will help you

to understand and solve concurrent tasks. Who this book is for The book is intended for enterprise developers and programmers who wish to make use of C++ capabilities to learn the multithreaded approach. Knowledge of multithreading along with experience in C++ is an added advantage. However it is not a prerequisite.

Proceedings of 3rd International Conference on Computing Informatics and Networks Ajith Abraham 2021-03-14 This book is a collection of high-quality peer-reviewed research papers presented in the Third International Conference on Computing Informatics and Networks (ICCIN 2020) organized by the Department of Computer Science and Engineering (CSE), Bhagwan Parshuram Institute of Technology (BPIT), Delhi, India, during 29–30 July 2020. The book discusses a wide variety of industrial, engineering and scientific applications of the emerging techniques. Researchers from academic and industry present their original work and exchange ideas, information, techniques and applications in the field of artificial intelligence, expert systems, software engineering, networking, machine learning, natural language processing and high-performance computing.

A Textbook of Optics N Subrahmanyam et. al 2004 This textbook has been designed to provide necessary foundation in optics which would not only acquaint the student with the subject but would also prepare for an intensive study of advanced topics in optics at a later stage. With an emphasis on concepts, mathematical derivations have been kept at the minimum. This textbook has been primarily written for undergraduate students of B.Sc. Physics and would also be a useful resource for aspirants appearing for competitive examinations.

Advances in Antenna, Signal Processing, and

Microelectronics Engineering Devendra Kumar Sharma 2021-07-06 With the rapid growth of wireless communications, this book meets the strong demand for information and new research in the area of antenna, signal processing, and microelectronics engineering. Providing an interdisciplinary platform, it brings together leading academicians, scientists, and researchers to share information on innovations, trends, and advances as well as the challenges encountered in this field. The chapters address the functional framework in the area of antenna, signal processing, and microelectronics engineering and explore the concepts from the basic to advanced level. Key features: • Addresses the functional framework in the area of antenna, signal processing, and microelectronics engineering • Covers the major challenges, issues, and advances in antennas, signal processing, and microelectronics engineering •

Explores optimization techniques for smart antenna and microelectronics for different applications • Explores different materials and design techniques in the area of antennas and microelectronics
ICT Analysis and Applications Simon Fong 2020-02-03 This book proposes new technologies and discusses future solutions for ICT design infrastructures, as reflected in high-quality papers presented at the 4th International Conference on ICT for Sustainable Development (ICT4SD 2019), held in Goa, India, on 5–6 July 2019. The conference provided a valuable forum for cutting-edge research discussions among pioneering researchers, scientists, industrial engineers, and students from all around the world. Bringing together experts from different countries, the book explores a range of central issues from an international perspective.
Border Management of Nepal Buddhi Nārāyana

Śreṣṭha 2003 On the boundary issues of Nepal with India; a study.

Airport Engineering Norman J. Ashford 1992-02-28 Covers airport planning and design.

Wireless Information and Power Transfer: A New Paradigm for Green Communications Dushantha Nalin K. Jayakody 2017-07-20 This book presents breakthroughs in the design of Wireless Energy Harvesting (WEH) networks. It bridges the gap between WEH through radio waves communications and power transfer, which have largely been designed separately. The authors present an overview of the RF-EHNs including system architecture and RF energy harvesting techniques and existing applications. They also cover the idea of WEH in novel discoveries of information, the theoretical bounds in WEH, wireless sensor networks, usage of modern channel coding together with WEH, energy efficient resource allocation mechanisms, distributed self-organized energy efficient designs, delay-energy trade-off, specific protocols for energy efficient communication designs, D2D communication and energy efficiency, cooperative wireless networks, and cognitive networks.

Rhythm in Architecture Moisei Ginzburg 2016 Rhythm in Architecture is the first ever translation into English of a key early Modernist text, written by the celebrated Soviet Constructivist architect Moisei Ginzburg and first published in Russian as Ritm v Arkhitekture in 1923. Ginzburg is most famous for his Narkomfin Building in Moscow, completed in 1932, which he described as a "social-condenser": a radical experiment in communal living. While Ginzburg's second book Style and Epoch, published in 1924, is often seen as the manifesto for Russian Constructivism, Rhythm in Architecture--which preceded it--can be seen as his

attempt to create a synthesis in thinking about architecture as a whole, seeking to show how "the true essence of all works of architecture" are "inspired by the laws of rhythm". Rhythm in Architecture is republished in cooperation with the Ginzburg Design Practice run by Moisei Ginzburg's grandson, Aleksey and his partner Natalia Shilova. It is the first of a planned series of reprints of Ginzburg's four books, Home, 1934 and Industrialising Housing Construction, 1937 as well as Style and Epoch, 1924--the only one previously available in English.

Jobs and Careers Abroad Guy Hobbs 2006 This revised twelfth edition of the comprehensive guide to all kinds of work abroad provides essential information on permanent career opportunities around the world for people of all walks of life, from school leavers still deciding on a career to fully qualified professionals. The types of employment covered in The Directory of Jobs & Careers Abroad include: · Agriculture, Fisheries and The Environment. · Banking and Accountancy. · Information Technology and Journalism. · The Law, Medicine and Nursing, · Oil & Gas and Mining & Engineering. · Secretarial, Translating and Interpreting. · Transport & Tourism and Hospitality & Catering. · Voluntary Work. · Work with International Organisations including the United Nations. The book lists the professions and trades in demand overseas and gives all the facts on over thirty five different specific careers with detailed information on recruitment and sources of jobs including consultants, agencies, advertising, the internet etc. and finding work by making use of contacts such as professional associations. In addition there are individual chapters presenting career opportunities in fifty countries which include for each country coverage of employment prospects

there plus: · Immigration and residency regulations. · The cost and standard of living, · The language, health, welfare and education, etc. Also included in these chapters are details of employers and agencies specialising in placements in that country and listings of hundreds of overseas subsidiaries of international companies. Other features of The Directory of Jobs & Abroad include a comprehensive index of employers and agencies and, in addition to coverage of how to find work by conventional means, advice on how to find the jobs that aren't advertised by using the Creative Job Search.

Introduction to Fluid Mechanics and Fluid Machines S. K.. Som 2008

Information and Communication Technology for Intelligent Systems Tomonobu Senjyu 2020-10-29 This book gathers papers addressing state-of-the-art research in all areas of information and communication technologies and their applications in intelligent computing, cloud storage, data mining and software analysis. It presents the outcomes of the Fourth International Conference on Information and Communication Technology for Intelligent Systems, which was held in Ahmedabad, India. Divided into two volumes, the book discusses the fundamentals of various data analysis techniques and algorithms, making it a valuable resource for researchers and practitioners alike.

Sustainable Waste Management: Policies and Case Studies Sadhan Kumar Ghosh 2019-06-21 The book presents high-quality research papers from the Seventh International Conference on Solid Waste Management (IconSWM 2017), held at Professor Jayashankar Telangana State Agricultural University, Hyderabad on December 15–17, 2017. The conference, an official side event of the high-level Intergovernmental Eighth Regional 3R

Forum in Asia and the Pacific, aimed to generate scientific inputs into the policy consultation of the Forum co-organized by the UNCRD/UNDESA, MoEFCC India, MOUD India and MOEJ, Japan. Presenting research on solid waste management from more than 30 countries, the book is divided into three volumes and addresses various issues related to innovation and implementation in sustainable waste management, segregation, collection, transportation of waste, treatment technology, policy and strategies, energy recovery, life cycle analysis, climate change, research and business opportunities.

A Textbook of Fluid Mechanics and Hydraulic Machines R. K. Bansal 2004-12-31

Solid Waste Management in Nepal Asian Development Bank 2013-08-01 Managing solid waste is one of the major challenges in urbanization. A survey conducted in all 58 municipalities of Nepal in 2012 found that the average municipal solid waste generation was 317 grams per capita per day. This translates into 1,435 tons per day or 524,000 tons per year of municipal solid waste generation in Nepal. Many of these technically and financially constrained municipalities are still practicing roadside waste pickup from open piles and open dumping, creating major health risks.

AIIMS- New Delhi Solved Papers N. Khurmi AIPMT, Medical Entrance, Competitions, CBSE, Schools, Classes, 11th, 12th, Objective Physics, Chemistry, Biology,

Communication Skills for Engineers Sunita Mishra 2011 The second edition of Communication Skills for Engineers brings in a sound understanding and insight into the dynamics of communication in all spheres of life interpersonal, social and professional. The book hinges on the premise that effective communication is an outcome of using the right

combination of skills alongside an appropriate attitude.

Ecosystem-Based Disaster and Climate Resilience Mahua Mukherjee 2021-09-05 This book provides an introduction to the critical role of ecosystem-based disaster risk resilience (Eco-DRR) for building community resilience to multiple environmental risks such as rising heat, water stress, and pollution. Blue-green infrastructure (BGI) is an Eco-DRR tool that is an under-explored paradigm and can respond as one common strategy to targets set by the Sustainable Development Goals (UNDP), Climate Agreements (UNEP), the Sendai Framework (UNISDR), and the New Urban Agenda (UNCHS). Highlighted here in a systematic way is the importance of blue-green infrastructures in resilience building. The purpose is to introduce readers to the challenging context of development and opportunity creation for Eco-DRR. The roles of policy, scientific research, and implementation are presented cohesively. An attractive proposition of the book is a collection of case studies from different parts of the world where integration of BGI is experimented with at various levels of success. It envisages that shared tacit experiences from the realm of practice will further strengthen explicit knowledge. The focus in this book is on need and context building, policy and science (investigation, analysis, and design), case studies, and a road map for the future in four successive parts. Each part is self-sufficient yet linked to its predecessor, successor, or both, as the case may be.

Design of Bridges N. Krishna raju