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The Indian Journal of Criminology & Criminalistics - 2011

Interface Fundamentals in Microprocessor-Controlled Systems - C.J. Georgopoulos 2012-12-06

Security and Privacy Issues in Internet of Medical Things - Rajkumar Buyya 2023-02-24

Security and Privacy Issues in Internet of Medical Things addresses the security challenges faced by healthcare providers and patients. As IoMT devices are vulnerable to cyberattacks, and a security breach through IoMT devices may act as a pathway for hackers to enter hospital networks, the book covers a very timely topic. The incorporation of blockchain in the healthcare environment has given birth to the Internet of Medical Things (IoMT), which consists of a collection of healthcare systems that espouse groundbreaking technologies. Systems consist of inter-linked sensors, wearable technology devices and clinical frameworks that perform

explicit, secure machine-to-machine and cloud platform communications. The significance of IoMT in the field of healthcare is undoubtedly a win-win situation for patients through technology enhancements and a collection of analytics that helps in better diagnosis and treatment. Due to higher accuracy levels, IoMT devices are more reliable in reporting and data tracking and help avoid human errors and incorrect reporting. Provides methods for constructing novel IoMT architectures and middleware services for healthcare applications to protect and secure patient data and privacy Presents readers with information security and privacy models for IoMT, including Artificial Intelligence and Deep Learning, Data Storage security, Cloud, Fog and Edge computing security, and Wireless sensor device security Provides readers with case studies for real-world applications of IoMT security, including risk assessment for IoMT, Ethical issues in IoMT, Security assessment frameworks, and Threat-based security

analysis for IoMT

Principles of Modern Avionics - S. Nagabhushana 2018-03-02

The book presents the conceptual foundations of modern avionics systems. Specifically, it contains a discussion of the principles underlying the prominent devices, circuits, sensors and subsystems used in avionics, complemented by an overview of the avionics design and certification processes. Following the discussion of foundational principles the book also presents the state of the art in civilian and military avionics, and concludes with a preview of the imminent advances in avionics.

Indian Textile Annual & Directory - 1988

Proceedings of the International Conference on Emerging Technologies in Intelligent System and Control - 2005

Contributed articles presented in the seminar held during Jan. 5-7, 2005, at Kumaraguru College of Technology, Coimbatore.

POWER ELECTRONICS - M. S. JAMIL ASGHAR 2004-01-01

This textbook, designed for undergraduate students of electrical engineering, offers a comprehensive and accessible introduction to state-of-the-art power semiconductor devices and power electronic converters with an emphasis on design, analysis and realization of numerous types of systems. Each topic is discussed in sufficient depth to expose the fundamental principles, concepts, techniques, methods and circuits, necessary to thoroughly understand power electronic systems.

IETE Technical Review - 1995

Digital Design and Computer Organisation - D. Nasib S. Gill 2008-12
Digital Design and Computer

Organization introduces digital design as it applies to the creation of computer systems. It summarizes the tools of logic design and their mathematical basis, along with in depth coverage of combinational and sequential circuits. The book includes an accompanying CD that includes the majority of circuits highlighted in the text, delivering you hands-on experience in the simulation and observation of circuit functionality. These circuits were designed and tested with a user-friendly Electronics Workbench package (Multisim Textbook Edition) that enables your progression from truth tables onward to more complex designs. This volume differs from traditional digital design texts by providing a complete design of an AC-based CPU, allowing you to apply digital design directly to computer architecture. The book makes minimal reference to electrical properties and is vendor independent, allowing emphasis on the general design principles.

Digital Principles and Logic Design - Arijit Saha 2009-01-28

This text and reference provides students and practicing engineers with an introduction to the classical methods of designing electrical circuits, but incorporates modern logic design techniques used in the latest microprocessors, microcontrollers, microcomputers, and various LSI components. The book provides a review of the classical methods e.g., the basic concepts of Boolean algebra, combinational logic and sequential logic procedures, before engaging in the practical design approach and the use of computer-aided tools. The book is enriched with numerous examples (and their solutions), over 500 illustrations, and includes a CD-ROM with simulations, additional figures, and third party software to

illustrate the concepts discussed in the book.

Recent Advances in Material Sciences

- Satish Pujari 2019-08-06

This book comprises select proceedings of the International Conference on Latest Innovations in Materials Engineering and Technology (ICLIET 2018). The book focuses on diverse engineering materials, their design and applications. The materials in discussion include those related to coatings, polymers, composites, tribology, acoustic insulators, lubricants, and cryogenics. The book also highlights emerging nano and micro materials, bio engineering materials, as well as new energy materials for solar cells and photovoltaic cells. This book will serve as an useful reference for students, researchers, and professionals working in the field of materials science and engineering.

Digitization in Dentistry - Priyanka Jain 2021-03-22

This book provides evidence-based guidance on the clinical applications of digital dentistry, that is, the use of dental technologies or devices that incorporate digital or computer-controlled components for the performance of dental procedures. Readers will find practically oriented information on the digital procedures currently in use in various fields of dental practice, including, for example, diagnosis and treatment planning, oral radiography, endodontics, orthodontics, implant dentistry, and esthetic dentistry. The aim is to equip practitioners with the knowledge required in order to enhance their daily practice. To this end, a problem-solving approach is adopted, with emphasis on key concepts and presentation of details in a sequential and easy to follow manner. Clear recommendations are set out, and helpful tips and tricks are highlighted. The book is written in a

very readable style and is richly illustrated. Whenever appropriate, information is presented in tabular form to provide a ready overview of answers to frequent doubts and questions.

A Roadmap to Industry 4.0: Smart Production, Sharp Business and Sustainable Development - Anand Nayyar 2019-11-27

Business innovation and industrial intelligence are paving the way for a future in which smart factories, intelligent machines, networked processes and Big Data are combined to foster industrial growth. The maturity and growth of instrumentation, monitoring and automation as key technology drivers support Industry 4.0 as a viable, competent and actionable business model. This book offers a primer, helping readers understand this paradigm shift from industry 1.0 to industry 4.0. The focus is on grasping the necessary pre-conditions, development & technological aspects that conceptually describe this transformation, along with the practices, models and real-time experience needed to achieve sustainable smart manufacturing technologies. The primary goal is to address significant questions of what, how and why in this context, such as: What is Industry 4.0? What is the current status of its implementation? What are the pillars of Industry 4.0? How can Industry 4.0 be effectively implemented? How are firms exploiting the Internet of Things (IoT), Big Data and other emerging technologies to improve their production and services? How can the implementation of Industry 4.0 be accelerated? How is Industry 4.0 changing the workplace landscape? Why is this melding of the virtual and physical world needed for smart production engineering

environments? Why is smart production a game-changing new form of product design and manufacturing?

Transactions on Computational Science III - Kenneth Tan 2009-02-13

The Transactions on Computational Science journal is part of the Springer series Lecture Notes in Computer Science, and is devoted to the gamut of computational science issues, from theoretical aspects to application-dependent studies and the validation of emerging technologies. The current issue is devoted to computer systems research and the application of such research, which naturally complement each other. The issue is comprised of Part 1: Computational Visualization and Optimization, and Part 2: Computational Methods for Model Design and Analysis. Part 1 – Computational Visualization and Optimization – is devoted to state-of-the-art research carried out in this area with the use of novel computational methods. It is comprised of five papers, each addressing a specific computational problem in the areas of shared virtual spaces, dynamic visualization, multimodal user interfaces, computational geometry, and parallel simulation, respectively. Part 2 – Computational Methods for Model Design and Analysis – continues the topic with an in-depth look at selected computational science research in the areas of data representation and analysis. The four papers comprising this part cover such areas as efficient reversible logic design, missing data analysis, stochastic computation and neural network representation for eccentric sphere models. Each paper describes a detailed experiment or a case study of the methodology presented to amplify the impact of the contribution.

Bulletin of the Institution of

Engineers (India). - Institution of Engineers (India) 1985

MEDINFO 2021: One World, One Health – Global Partnership for Digital Innovation - P. Otero 2022-08-05

The World Health Organization defines health as “a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity”, and its constitution also asserts that health for all people is “dependent on the fullest co-operation of individuals and States”. The ongoing pandemic has highlighted the power of both healthy and unhealthy information, so while healthcare and public health services have depended upon timely and accurate data and continually updated knowledge, social media has shown how unhealthy misinformation can be spread and amplified, reinforcing existing prejudices, conspiracy theories and political biases. This book presents the proceedings of MedInfo 2021, the 18th World Congress of Medical and Health Informatics, held as a virtual event from 2-4 October 2021, with pre-recorded presentations for all accepted submissions. The theme of the conference was One World, One Health – Global Partnership for Digital Innovation and submissions were requested under 5 themes: information and knowledge management; quality, safety and outcomes; health data science; human, organizational and social aspects; and global health informatics. The Programme Committee received 352 submissions from 41 countries across all IMIA regions, and 147 full papers, 60 student papers and 79 posters were accepted for presentation after review and are included in these proceedings. Providing an overview of current work in the field over a wide range of disciplines, the book will be of interest to all those whose work

involves some aspect of medical or health informatics.

Indian Books in Print - 2003

Basic VLSI Design Technology - Cherry Bhargava 2022-09-01

The current cutting-edge VLSI circuit design technologies provide end-users with many applications, increased processing power and improved cost effectiveness. This trend is accelerating, with significant implications on future VLSI and systems design. VLSI design engineers are always in demand for front-end and back-end design applications. The book aims to give future and current VLSI design engineers a robust understanding of the underlying principles of the subject. It not only focuses on circuit design processes obeying VLSI rules but also on technological aspects of fabrication. The Hardware Description Language (HDL) Verilog is explained along with its modelling style. The book also covers CMOS design from the digital systems level to the circuit level. The book clearly explains fundamental principles and is a guide to good design practices. The book is intended as a reference book for senior undergraduate, first-year post graduate students, researchers as well as academicians in VLSI design, electronics & electrical engineering and materials science. The basics and applications of VLSI design from digital system design to IC fabrication and FPGA Prototyping are each covered in a comprehensive manner. At the end of each unit is a section with technical questions including solutions which will serve as an excellent teaching aid to all readers. Technical topics discussed in the book include: • Digital System Design • Design flow for IC fabrication and FPGA based prototyping • Verilog HDL • IC Fabrication Technology • CMOS VLSI

Design • Miscellaneous (It covers basics of Electronics, and Reconfigurable computing, PLDs, Latest technology etc.).

British Paperbacks in Print - 1985

Indian Journal of Pure & Applied Physics - 1985

Control and Automation, and Energy System Engineering - Tai-hoon Kim 2011-11-29

This book comprises selected papers of the International Conferences, CA and CES3 2011, held as Part of the Future Generation Information Technology Conference, FGIT 2011, in Conjunction with GDC 2011, Jeju Island, Korea, in December 2011. The papers presented were carefully reviewed and selected from numerous submissions and focus on the various aspects of control and automation, and circuits, control, communication, electricity, electronics, energy, system, signal and simulation.

Indian Book Industry - 1985

Indian Books - 1983

Switching Theory and Logic Design - Rao, C. V. S.

Switching Theory and Logic Design is for a first-level introductory course on digital logic design. This book illustrates the usefulness of switching theory and its applications, with examples to acquaint the student with the necessary background. This book has been designed as a prerequisite to many other courses like Digital Integrated Circuits, Computer Organisation, Digital Instrumentation, Digital Control, Digital Communications and Hardware Description Languages.

Modern Digital Electronics - R. P. Jain 1997

فهرس معرض الرياض الدولي السادس للكتاب

1987 -

Journal of the Indian Institute of Science - Indian Institute of Science, Bangalore 1990

Handbook of Research on Digital Content Management and Development in Modern Libraries - Thanuskodi, S. 2019-11-01

Collection assessment can be defined as the systematic quantitative and qualitative measurement of the degree to which a library's collections meet the library's goals, objectives, and the needs of its users. E-resources are creating new challenges for collection assessment, which require that the collection be measured, analyzed, and judged according to specific criteria for relevancy, size, quality, and use. The Handbook of Research on Digital Content Management and Development in Modern Libraries is a critical scholarly resource that examines collection management and quality within information services. Featuring a wide range of topics such as e-resources, knowledge management, and consortia, this book is ideal for professionals, academicians, academic librarians, researchers, and students in the fields of library and information science, education, computer science, and information technology. Moreover, the book will provide insights and support executives concerned with the management of expertise, knowledge, information, and organizational development in different types of work communities and environments.

Allied Physics Paper I & II - R Murugesan 2005

Paper-I | Waves & Oscillations | Properties Of Matters | Thermal Physics | Electricity And Magnetism | Geometrical Optics | Paper-Ii | Physical Optics | Atomic Physics | Nuclear Physics | Elements Of

Relativity And Quantum Mechanics | Electronics Practical Physics | Young'S Modulus By Non-Uniform Bending | Young'S Modulus (E) Non-Uniform Bending | Rigidity Modulus (Static Torsion Method)|Rigidity Modulus By Torsional Oscillations | Surface Tension And Interfacial Surface Tension Drop Weight Method | Comparison Of Viscosities Of Two Liquids-Burette Method | Specific Heat Capacity Of A Liquid | Sonometer- Frequency Of A.C. Mains | Determination Of Radius Of Curvature | Air Wedge - Thickness Of A Wire | Spectrometer-Diffraction On Gravity- Wavelength Of Hg Lines | Potentiometer-Voltmeter Calibration | Post Office Box-Measure Of Resistance And Specific Resistance | Ballistic Galvanometer Figure Of Merit | Logic Gates And, Or, Not | Zener Diode Characteristics | Nand Gate As A Universal Gate

The Dhaka University Studies - 1993

MECHATRONICS - M. D. SINGH 2006-10-07

Mechatronics is today fast developing as an interdisciplinary branch of engineering. This book offers a comprehensive coverage of the design and application of mechatronic systems. It discusses in detail the construction, operation, features and applications of various components of mechatronic systems. The text, profusely illustrated with diagrams, emphasizes the readers' multidisciplinary skills and ability to design and maintain different mechatronic systems. Key Features : • Motivational assignments given at the end of each chapter and the Case Studies provided at the end of the book direct the readers to applications of mechatronics concepts in the real-world problems encountered in engineering practice. • Separate chapters are devoted to the advanced topics of Robotics and Microelectromechanical Systems

(MEMS). • The text is supported by a fair number of photographs of mechatronic systems and their components. This student-friendly text is primarily intended for the students of undergraduate and diploma courses in mechanical, electronics, industrial, and mechatronics engineering. It will also be of immense use to practising engineers.
American Book Publishing Record - 2006

Lok Sabha Debates - India. Parliament. House of the People 1986-04-24

Intellectual Property Protection for Multimedia Information Technology - Sasaki, Hideyasu 2007-12-31
Since previously published intellectual property law and business research discusses institutional analyses without interdisciplinary insights by technical experts, and technical references tend to concern engineering solutions without considering the social impact of institutional protection of multimedia digital information, there is a growing demand for a resource that bridges the gap between multimedia intellectual property protection law and technology. Intellectual Property Protection for Multimedia Information Technology provides scholars, management professionals, researchers, and lawyers in the field of multimedia information technology and its institutional practice with thorough coverage of the full range of issues surrounding multimedia intellectual property protection and its proper solutions from institutional,

technical, and legal perspectives.
The Dhaka University Journal of Science - 1997-07

Digital Electronic Circuits - Shuqin Lou 2019-05-20
This book presents three aspects of digital circuits: digital principles, digital electronics, and digital design. The modern design methods of using electronic design automation (EDA) are also introduced, including the hardware description language (HDL), designs with programmable logic devices and large scale integrated circuit (LSI). The applications of digital devices and integrated circuits are discussed in detail as well.
The Indian National Bibliography - B. S. Kesavan 2010

Digital Electronics–GATE, PSUS AND ES Examination - Satish K Karna
Test Prep for Digital Electronics–GATE, PSUS AND ES Examination
Indian National Bibliography - B. S. Kesavan 2010

Security, Privacy, and Trust in Modern Data Management - Milan Petkovic 2007-06-12
The vision of ubiquitous computing and ambient intelligence describes a world of technology which is present anywhere, anytime in the form of smart, sensible devices that communicate with each other and provide personalized services. However, open interconnected systems are much more vulnerable to attacks and unauthorized data access. In the context of this threat, this book provides a comprehensive guide to security and privacy and trust in data management.