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Radar Engineering and Fundamentals of Navigational Aids Antennas and Wave Propagation Microwave Engineering Electromagnetic Field Theory and Transmission Lines Electronic Devices and Circuits Radar Engineering Intelligent Data Engineering and Analytics Data Engineering and Intelligent Computing MATLAB Applications in Engineering Proceedings of the International Conference on Electromagnetic Interference and Compatibility Microelectronics, Electromagnetics and Telecommunications Handbook of Universities Icccd-2000. Computer Engineering and Networking Proceedings of 2nd International Conference on Micro-Electronics, Electromagnetics and Telecommunications Microelectronics, Electromagnetics and Telecommunications Electronic Circuit Analysis Universities Handbook Signals and Systems Electric Field Analysis Indian Science Abstracts SIGNALS AND SYSTEMS Advances in Micro-Electronics, Embedded Systems and IoT Evolution in Signal Processing and Telecommunication Networks Recent Advances in Biomedical Engineering Earth & Astronomical Sciences Research Centres Earth & Astronomical Sciences Research Centres Smart Intelligent Computing and Applications Advances

in Signal Processing, Embedded Systems and IoT Planar Antennas Proceedings of the ... International Conference on Power Electronics, Drives and Energy Systems for Industrial Growth The Engineering Index Annual Introduction to Electromagnetic Waves with Maxwell's Equations Antennas and Wave Propagation Electromagnetic Fields & Waves NexGen Technologies for Mining and Fuel Industries (Volume I and II) IETE Journal of Research Sustainable Communication Networks and Application Commonwealth Universities Yearbook Sensing and Monitoring Technologies for Mines and Hazardous Areas

Radar Engineering and Fundamentals of Navigational Aids

2006

antennas and wave propagation is written for the first course on the same the book begins with an introduction that discusses the fundamental concepts notations representation and principles that govern the field of antennas a separate chapter on mathematical preliminaries is discussed followed by chapters on every aspect of antennas from maxwell s equations to antenna array analysis antenna array synthesis antenna measurements and wave propagation

Antennas and Wave Propagation

2008-01-01

though good books are available but on self contained concise comprehensive textbook covering the syllabus of indigenous universities is not available the present microwave engineering is an attempt in that direction starting with the

fundamentals the book discusses microwaves and their applications microwave tubes microwave semiconductor devices scattering matrix parameters microwave passive components microwave transmission lines microwave integrated circuits microwave antennas and microwave measurements

Microwave Engineering

2006

electromagnetic field theory and transmission lines is an ideal textbook for a single semester first course on electromagnetic field theory emft at the undergraduate level this book uses plain and simple english diagrammatic representations and real life examples to explain the fundamental concepts notations representation and principles that govern the field of emft the chapters cover every aspect of emft from electrostatics to advanced topics dealing with electromagnetic interference emi electromagnetic compatibility emc emc standards and design methods for emc careful and deta

Electromagnetic Field Theory and Transmission Lines

2006-01-01

detailed theory operation and application of devices and circuits 1000 objective type question and answers 150 solved problems 100 exercise problems with solution manual 27 experiments power consumption details electronic devices and circuits contains the fundamentals of electronic devices and their applications the book is centred around the basic characteristics analysis design and application aspects of conductors insulators semi conductors resistors inductors capacitors basic network theorems test and measuring meters fabrication techniques diodes transistors amplifiers and oscillators the fundamentals concepts of the subject are described pointwise for easy readability and grasp several solved problems objective type questions and multiple choice question with answers exercise questions with solution manual and a large number worked out examples besides 27 experiments conducted for all the engineering and scient students are the highlight of the book the entire content in the book is provided in a logical orderly and a self understandable manner

Electronic Devices and Circuits

2013-12-30

this book contains the applications of radars fundamentals and advanced concepts of cw cw doppler fmcw pulsed doppler mti mst and phased array radars etc it also includes effect of different parameters on radar operation various losses in radar systems radar transmitters radar receivers navigational aids and radar antennas key features nine chapters exclusively suitable for one semester course in radar engineering more than 100 solved problems more than 1000 objective questions with answers more than 600 multiple choice questions with answers five model question papers logical and self understandable system description

Radar Engineering

2022-02-28

this book presents the proceedings of the 9th international conference on frontiers of intelligent computing theory and applications ficta 2021 held at nit mizoram aizwal mizoram india during june 25 26 2021 ficta conference aims to bring

together researchers scientists engineers and practitioners to exchange their new ideas and experiences in the domain of intelligent computing theories with prospective applications to various engineering disciplines this volume covers broad areas of intelligent data engineering and analytics the conference papers included herein presents both theoretical as well as practical aspects of data intensive computing data mining big data knowledge management intelligent data acquisition and processing from sensors data communication networks protocols and architectures etc the volume will also serve as a knowledge centre for students of post graduate level in various engineering disciplines

Intelligent Data Engineering and Analytics

2017-05-31

the book is a compilation of high quality scientific papers presented at the 3rd international conference on computer communication technologies ic3t 2016 the individual papers address cutting edge technologies and applications of soft computing artificial intelligence and communication in addition a variety of further topics are discussed which include data mining machine intelligence fuzzy computing sensor networks signal and image processing human computer

interaction web intelligence etc as such it offers readers a valuable and unique resource

Data Engineering and Intelligent Computing

2022-02-02

the book presents a comprehensive overview of matlab and simulink programming chapters discuss matlab programming for practical usages in mesosphere stratosphere troposphere mst radars geometric segmentation bluetooth applications and control of electric drives the published examples highlight the capabilities of matlab programming in the fields of mathematical modeling algorithmic development data acquisition time simulation and testing

MATLAB Applications in Engineering

2003

this volume contains 73 papers presented at icmeet 2015 international conference on microelectronics electromagnetics and telecommunications the conference was

held during 18 19 december 2015 at department of electronics and communication engineering gitam institute of technology gitam university visakhapatnam india this volume contains papers mainly focused on antennas electromagnetics telecommunication engineering and low power vlsi design

Proceedings of the International Conference on Electromagnetic Interference and Compatibility

2015-12-24

the most authentic source of information on higher education in india the handbook of universities deemed universities colleges private universities and prominent educational research institutions provides much needed information on degree and diploma awarding universities and institutions of national importance that impart general technical and professional education in india although another directory of similar nature is available in the market the distinct feature of the present handbook that makes it one of its kind is that it also includes entries and details of the private universities functioning across the country in this handbook the universities have been listed in an alphabetical order this facilitates easy location of their names in addition to the brief history of these universities the present

handbook provides the names of their vice chancellor professors and readers as well as their faculties and departments it also acquaints the readers with the various courses of studies offered by each university it is hoped that the handbook in its present form will prove immensely helpful to the aspiring students in choosing the best educational institution for their career enhancement in addition it will also prove very useful for the publishers in mailing their publicity materials even the suppliers of equipment and services required by these educational institutions will find it highly valuable

Microelectronics, Electromagnetics and Telecommunications

2006

this book aims to examine innovation in the fields of computer engineering and networking the book covers important emerging topics in computer engineering and networking and it will help researchers and engineers improve their knowledge of state of art in related areas the book presents papers from the proceedings of the 2013 international conference on computer engineering and network cenet2013 which was held on 20 21 july in shanghai china

Handbook of Universities

2000

the book is a collection of best papers presented in the second international conference on microelectronics electromagnetics and telecommunication icmeet 2016 an international colloquium which aims to bring together academic scientists researchers and research scholars to discuss the recent developments and future trends in the fields of microelectronics electromagnetics and telecommunication microelectronics research investigates semiconductor materials and device physics for developing electronic devices and integrated circuits with data energy efficient performance in terms of speed power consumption and functionality the book discusses various topics like analog digital and mixed signal circuits bio medical circuits and systems rf circuit design microwave and millimeter wave circuits green circuits and systems analog and digital signal processing nano electronics and giga scale systems vlsi circuits and systems soc and noc mems and nems vlsi digital signal processing wireless communications cognitive radio and data communication

Icccd-2000.

2014-02-03

this book discusses the latest developments and outlines future trends in the fields of microelectronics electromagnetics and telecommunication it includes original research presented at the international conference on microelectronics electromagnetics and telecommunication icmeet 2019 organized by the department of ece raghu institute of technology andhra pradesh india written by scientists research scholars and practitioners from leading universities engineering colleges and r d institutes around the globe the papers share the latest breakthroughs in and promising solutions to the most important issues facing today s society

Computer Engineering and Networking

2017-09-06

electric field analysis is both a student friendly textbook and a valuable tool for engineers and physicists engaged in the design work of high voltage insulation systems the text begins by introducing the physical and mathematical

fundamentals of electric fields presenting problems from power and dielectric engineering to show how the theories are put into practice the book then describes various techniques for electric field analysis and their significance in the validation of numerically computed results as well as discusses finite difference finite element charge simulation and surface charge simulation methods for the numerical computation of electric fields provides case studies for electric field distribution in a cable termination around a post insulator in a condenser bushing and around a gas insulated substation gis spacer explores numerical field calculation for electric field optimization demonstrating contour correction and examining the application of artificial neural networks explains how high voltage field optimization studies are carried out to meet the desired engineering needs electric field analysis is accompanied by an easy to use yet comprehensive software for electric field computation the software along with a wealth of supporting content is available for download with qualifying course adoption

Proceedings of 2nd International Conference on Micro-Electronics, Electromagnetics and

Telecommunications

2020-06-24

the book in its second edition continues to provide a comprehensive treatment of signals and systems commencing from an elementary level and going on to a thorough analysis of mathematical tools such as fourier transform laplace transform z transform and discrete time fourier transform the concepts of convolution and correlation and their relationship have been explained in a clear and lucid manner both continuous time and discrete time signals and systems have been covered and thoroughly supported with adequate number of explained examples the book is intended for the be btech students of electrical engineering electronics and communication engineering computer science and engineering information communication technology ict telecommunication engineering and biomedical engineering new to this edition a new chapter on matlab programming for generation of continuous time and discrete time series is added matlab solutions have been given for stability testing of discrete time systems sections on simple electronic systems realization have been added in existing chapter 6 more solved examples problems and multiple choice questions have been added in almost every chapter to reinforce the understanding of the theory audience be btech students of

electrical engineering electronics and communication engineering computer science and engineering information communication technology ict telecommunication engineering and biomedical engineering

Microelectronics, Electromagnetics and Telecommunications

2012

this book discusses the latest developments and outlines future trends in the fields of microelectronics electromagnetics and telecommunication it contains original research works presented at the international conference on microelectronics electromagnetics and telecommunication icmeet 2021 held in bhubaneswar odisha india during 27 28 august 2021 the papers were written by scientists research scholars and practitioners from leading universities engineering colleges and r d institutes from all over the world and share the latest breakthroughs in and promising solutions to the most important issues facing today s society

Electronic Circuit Analysis

2014

this book discusses the latest developments and outlines future trends in the fields of microelectronics electromagnetics and telecommunication it contains original research works presented at the international conference on microelectronics electromagnetics and telecommunication icmeet 2021 held in bhubaneswar odisha india during 27 28 august 2021 the papers were written by scientists research scholars and practitioners from leading universities engineering colleges and r d institutes from all over the world and share the latest breakthroughs in and promising solutions to the most important issues facing today s society

Universities Handbook

2009

this book presents high quality papers from the third international conference on smart computing and informatics sci 2018 19 organized by the school of computer engineering and school of computer application kalinga institute of industrial

technology deemed to be university bhubaneswar from 21 to 22 december 2018 it includes advanced and multi disciplinary research on the design of smart computing and informatics focusing on innovation paradigms in system knowledge intelligence and sustainability that have the potential to provide realistic solutions to various problems in society the environment and industry the papers featured provide a valuable contribution to the deployment of emerging computational and knowledge transfer approaches optimizing solutions in varied disciplines of science technology and health care

Signals and Systems

2017-12-19

the book discusses the latest developments and outlines future trends in the fields of microelectronics electromagnetics and telecommunication it contains original research works presented at the international conference on microelectronics electromagnetics and telecommunication icmeet 2022 held in bheemavaram west godavari dist andhra pradesh india during 22 23 july 2022 the papers were written by scientists research scholars and practitioners from leading universities engineering colleges and r d institutes from all over the world and share the latest

breakthroughs in and promising solutions to the most important issues facing today's society

Electric Field Analysis

2009-11

this comprehensive reference text discusses fundamental concepts applications design techniques and challenges in the field of planar antennas the text focuses on recent advances in the field of planar antenna design and their applications in various fields of research including space communication mobile communication wireless communication and wearable applications this resource presents planar antenna design concepts methods and techniques to enhance the performance parameters and applications for iots and device to device communication the latest techniques used in antenna design including their structures defected ground mimo and fractal design are discussed comprehensively the text will be useful for senior undergraduate students graduate students and academic researchers in fields including electrical engineering electronics and communication engineering

Indian Science Abstracts

2014-03-24

since its creation in 1884 engineering index has covered virtually every major engineering innovation from around the world it serves as the historical record of virtually every major engineering innovation of the 20th century recent content is a vital resource for current awareness new production information technological forecasting and competitive intelligence the world s most comprehensive interdisciplinary engineering database engineering index contains over 10 7 million records each year over 500 000 new abstracts are added from over 5 000 scholarly journals trade magazines and conference proceedings coverage spans over 175 engineering disciplines from over 80 countries updated weekly

SIGNALS AND SYSTEMS

2022-04-22

discover an innovative and fresh approach to teaching classical electromagnetics at a foundational level introduction to electromagnetic waves with maxwell s

equations delivers an accessible and practical approach to teaching the wellknown topics all electromagnetics instructors must include in their syllabus based on the author s decades of experience teaching the subject the book is carefully tuned to be relevant to an audience of engineering students who have already been exposed to the basic curricula of linear algebra and multivariate calculus forming the backbone of the book maxwell s equations are developed step by step in consecutive chapters while related electromagnetic phenomena are discussed simultaneously the author presents accompanying mathematical tools alongside the material provided in the book to assist students with retention and comprehension the book contains over 100 solved problems and examples with stepwise solutions offered alongside them an accompanying website provides readers with additional problems and solutions readers will also benefit from the inclusion of a thorough introduction to preliminary concepts in the field including scalar and vector fields cartesian coordinate systems basic vector operations orthogonal coordinate systems and electrostatics magnetostatics and electromagnetics an exploration of gauss law including integral forms differential forms and boundary conditions a discussion of ampere s law including integral and differential forms and stoke s theorem an examination of faraday s law including integral and differential forms and the lorentz force law perfect for third and fourth year undergraduate students in electrical engineering mechanical engineering

applied maths physics and computer science introduction to electromagnetic waves with maxwell s equations will also earn a place in the libraries of graduate and postgraduate students in any stem program with applications in electromagnetics

Advances in Micro-Electronics, Embedded Systems and IoT

2022-03-23

antennas and radio propagation are continuously and rapidly evolving and new challenges arise every day as a result of these rapid changes the need for up to date texts that address this growing field from an interdisciplinary perspective persists this book organized into nine chapters presents new antenna designs and materials that will be used in the future due to the trend for higher frequencies as well as a bird s eye view of some aspects related to radio propagation channel modeling the book covers the theory but also the practical aspects of technology implementation in a way that is suitable for undergraduate and graduate level students as well as researchers and professional engineers

Evolution in Signal Processing and Telecommunication Networks

1994

this book is designed to serve as a textbook for ug and pg students of electronics and communication electronics and electrical electronics instrumentation and telecommunication engineering branches it provides a thorough understanding of the electromagnetic theory and their properties application and also the modern trends in electromagnetism in detail book also describes transmission lines wave guides as well as the effects of emi emc including impedance matching and antennas written in an easy to understand manner the book includes several illustrative examples objective type questions and exercise questions to reinforce the theoretical understanding of subject appendices provide information and expressions as well as design data for references

Recent Advances in Biomedical Engineering

1995

the papers in these two volumes were presented at the international conference on nexgen technologies for mining and fuel industries nxgnmifu 2017 in new delhi from february 15 17 2017 organized by csir central institute of mining and fuel research dhanbad india the proceedings include the contributions from authors across the globe on the latest research on mining and fuel technologies the major issues focused on are innovative mining technology rock mechanics and stability analysis advances in explosives and blasting mine safety and risk management computer simulation and mine automation natural resource management for sustainable development environmental impacts and remediation paste fill technology and waste utilisation fly ash management clean coal initiatives mineral processing and coal beneficiation quality coal for power generation and conventional and non conventional fuels and gases this collection of contemporary articles contains unique knowledge case studies ideas and insights a must have for researchers and engineers working in the areas of mining technologies and fuel sciences

Earth & Astronomical Sciences Research Centres

1995

this book presents state of the art theories and technologies and discusses

developments in the two major fields engineering and sustainable computing in this modern era of information and communication technologies ict there is a growing need for new sustainable and energy efficient communication and networking technologies the book highlights significant current and potential international research relating to theoretical and practical methods toward developing sustainable communication and networking technologies in particular it focuses on emerging technologies such as wireless communications mobile networks internet of things iot sustainability and edge network models the contributions cover a number of key research issues in software defined networks blockchain technologies big data edge fog computing computer vision sentiment analysis cryptography energy efficient systems and cognitive platforms

Earth & Astronomical Sciences Research Centres

2019-10-03

a directory to the universities of the commonwealth and the handbook of their association

Smart Intelligent Computing and Applications

2023-05-23

sensing and monitoring technologies for mines and hazardous areas monitoring and prediction technologies presents the fundamentals of mining related geotechnical risk and how the latest advances in sensing and data communication can be used both to prevent accidents and provide early warnings opencast mining operations involve huge quantities of overburden removal dumping and backfilling in excavated areas substantial increases in the rate of accumulation of waste dumps in recent years has resulted in greater height of dumps and also has given rise to the danger of dump failures as steeper open pit slopes are prone to failure these failures lead to loss of valuable human lives and damage to mining machinery this book presents the most recent advances in gas sensors methane detectors and power cut off systems it also introduces monitoring of the gas strata and environment and an overview of the use of internet of things and cloud computing for mining sensing and surveillance purposes targeted at geotechnical and mining engineers this volume covers the latest findings and technology to prevent mining accidents and mitigate the inherent risk of the activity presents complete details of a real time slope stability monitoring system using wireless sensor networking and

prediction technique based on multivariate statistical analysis of various parameters and analytical hierarchy process methods discusses innovative ideas and new concepts of sensing technologies mine transport surveillance digital mining and cloud computing to improve safety and productivity in mining industry includes slope stability prediction software downloadable through a companion website which can be used for monitoring analyzing and storing different sensors and providing audio visual sms and email alerts covers the latest findings and technology to prevent mining accidents and mitigate the inherent risk

Advances in Signal Processing, Embedded Systems and IoT

2021-10-21

Planar Antennas

1996

Proceedings of the ... International Conference on Power Electronics, Drives and Energy Systems for Industrial Growth

1992

The Engineering Index Annual

2021-09-14

Introduction to Electromagnetic Waves with Maxwell's Equations

2018-09-26

Antennas and Wave Propagation

2017-03-06

Electromagnetic Fields & Waves

1999

NexGen Technologies for Mining and Fuel Industries (Volume I and II)

2019-11-06

IETE Journal of Research

1997

Sustainable Communication Networks and Application

2016-06-10

Commonwealth Universities Yearbook

Sensing and Monitoring Technologies for Mines and Hazardous Areas

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