

Antenna Theory And Design Gbv

This volume contains leading edge research and authoritative reviews in meteor science. It provides a comprehensive view of meteoroid research including the dynamics, sources and distribution of these bodies. Techniques for investigation of meteor phenomena in the book include conventional and large aperture radar systems, spacecraft detection, optical systems, spectral measurements, and laboratory based interplanetary dust particle studies.

This pocket guide presents some tried and tested methods for putting impact measurement and accountability into practice throughout the life of a project. It is aimed at humanitarian practitioners, project officers and managers with some experience in the field, and draws on the work of field staff, NGOs, and inter-agency initiatives, including Sphere, ALNAP, HAP International, and People in Aid.

Radio Frequency Identification (RFID) tagging is now mandated by the department of defense and many of the world’s largest retailers including Wal-Mart. In order to stay competitive, more than 200,000 manufacturers and suppliers must develop strategies for integrating RFID technologies into their supply chains. RFID in Logistics: A Practical Introduction provides businesses and other relevant concerns with an authoritative step-by-step guide to the implementation and diverse applications of this revolutionary communications technology. Survey RFID applications in entertainment, credit devices, wireless communications, healthcare, and libraries Learn about both active and passive system components testing models Examine best practices for integrating RFID technology into the supply chain Combining techniques from computer, electrical, and industrial engineering, RFID in Logistics: A Practical Introduction supplies the basic instruction needed to develop and implement RFID technology.

Publication following NeMe's project

Globalization and Militarism

A Practical Introduction

Finite Frames

Satellite Communications

RFID in Logistics

Technologies for Development

Investigating the Role of Bats in Emerging Zoonoses

The availability of the RTL-SDR device for less than \$20 brings software defined radio (SDR) to the home and work desktops of EE students, professional engineers and the maker community. The RTL-SDR can be used to acquire and sample RF (radio frequency) signals transmitted in the frequency range 25MHz to 1.75GHz, and the MATLAB and Simulink environment can be used to develop receivers using first principles DSP (digital signal processing) algorithms. Signals that the RTL-SDR hardware can receive include: FM radio, UHF band signals, ISM signals, GSM, 3G and LTE mobile radio, GPS and satellite signals, and any that the reader can (legally) transmit of course! In this book we introduce readers to SDR methods by viewing and analysing downconverted RF signals in the time and frequency domains, and then provide extensive DSP enabled SDR design exercises which the reader can learn from. The hands-on SDR design examples begin with simple AM and FM receivers, and move on to the more challenging aspects of PHY layer DSP, where receive filter chains, real-time channelisers, and advanced concepts such as carrier synchronisers, digital PLL designs and QPSK timing and phase synchronisers are implemented. In the book we will also show how the RTL-SDR can be used with SDR transmitters to develop complete communication systems, capable of transmitting payloads such as simple text strings, images and audio across the lab desktop. Capacity development is one of the pillars through which the Food and Agriculture Organisation of the United Nations supports member countries. This manual serves as a resource for better understanding the ecology of bats, their natural history, their role in providing ecosystem services, techniques used for monitoring populations, and for the detection, identification and monitoring of viruses naturally circulating in bats and that can have significant implication if they are transmitted to people either through direct contact, or indirectly, through livestock. This manual will engage professionals from multiple disciplines ranging from public health and veterinary medicine to natural resource managers and biologists, but most importantly, highlights the need to understand the anthropogenic drivers resulting in disease transmission from bats to people.

"This book is very well organized and clearly written and contains an adequate supply of exercises. If one is comfortable with the choice of topics in the book, it would be a good candidate for a text in a graduate real analysis course." -- MATHEMATICAL REVIEWS

Severe abuse often occurs in settings where the grouping, whether based around a family or a community organisation or institution, outwardly appears to be very respectable. The nature of attachment dynamics allied with threat, discrediting, the manipulation of the victim's dissociative defences, long-term conditioning and the endless invoking of shame mean that sexual, physical and emotional abuse may, in some instances, be essentially unending. Even when separation from the long-term abuser is attempted, it may initially be extremely difficult to achieve, and there are some individuals who never achieve this parting. Even when the abuser is dead, the intrapsychic nature of the enduring attachment experienced by their victim remains complicated and difficult to resolve. This volume includes multiple perspectives from highly experienced clinicians, researchers and writers on the nature of the relationship between the abused and their abuser(s). No less than five of this International grouping of authors have been president of the International Society for the Study of Trauma and Dissociation, the world's oldest international trauma society. This book, which opens with a highly original clinical paper on 'weaponized sex' by Richard Kluff, one of the foremost pioneers of the modern dissociative disorders field, concludes with a gripping historical perspective written by Jeffrey Masson as he reengages with issues that first brought him to worldwide prominence in the 1980s. Between these two pieces, the contributors, all highly acclaimed for their clinical, theoretical or research work, present original, cutting edge work on this complex subject. This book was originally published as a double special issue of the Journal of Trauma and Dissociation.

International Handbook of Multigenerational Legacies of Trauma

Balancing Ecology, Conservation and Public Health Interest

Respublika! Experiments in the performance of participation and democracy

Software Defined Radio Using MATLAB & Simulink and the RTL-SDR

Design of Assistive Technology for Ageing Populations

Impact Measurement and Accountability in Emergencies

A Joint WHO/UNICEF/UNFPA Statement

This document contains the joint statement of the World Health Organization (WHO), UN Children's Emergency Fund (UNICEF), and the UN Population Fund (UNFPA) on female genital mutilation. The introduction to the statement notes that the purpose of the statement is not to criticize or condemn but to allow people to understand the hazards and indignity of harmful practices and to realize that it is possible to give up harmful practices without giving up meaningful aspects of their culture.

Meet Didi, a little girl who meets her neighbor on the street and learns he needs socks. What will she do to help Diego and all her new friends?

Hilbert space frames have long served as a valuable tool for signal and image processing due to their resilience to additive noise, quantization, and erasures, as well as their ability to capture valuable signal characteristics. More recently, finite frame theory has grown into an important research topic in its own right, with a myriad of applications to pure and applied mathematics, engineering, computer science, and other areas. The number of research publications, conferences, and workshops on this topic has increased dramatically over the past few years, but no survey paper or monograph has yet appeared on the subject. Edited by two of the leading experts in the field, Finite Frames aims to fill this void in the literature by providing a comprehensive, systematic study of finite frame theory and applications. With carefully selected contributions written by highly experienced researchers, it covers topics including: * Finite Frame Constructions; * Optimal Erasure Resilient Frames; * Quantization of Finite Frames; * Finite Frames and Compressed Sensing; * Group and Gabor Frames; * Fusion Frames. Despite the variety of its chapters' source and content, the book's notation and terminology are unified throughout and provide a definitive picture of the current state of frame theory. With a broad range of applications and a clear, full presentation, this book is a highly valuable resource for graduate students and researchers across disciplines such as applied harmonic analysis, electrical engineering, quantum computing, medicine, and more. It is designed to be used as a supplemental textbook, self-study guide, or reference book.

Includes chapters on orbital mechanics, spacecraft construction, satellite-path radio wave propagation, modulation techniques, multiple access, and a detailed analysis of the communications link.

A Cross National Study of Leading News Media

Fundamentals of Real Analysis

Q&T

Handbook of Research on Digital Violence and Discrimination Studies

The Physics of Inertial Fusion

From Innovation to Social Impact

Failed Governance and the Crisis of Displacement

Does an abandoned asylum hold the key to a frightful haunting? Everyone's heard the stories about Graylock Hall. It was meant to be a place of healing - a hospital where children and teenagers with mental disorders would be cared for and perhaps even cured. But something went wrong. Several young patients died under mysterious circumstances. Eventually, the hospital was shut down, the building abandoned and left to rot deep in the woods. As the new kid in town, Neil Cady wants to see Graylock for himself. Especially since rumor has it that the building is haunted. He's got fresh batteries in his flashlight, a camera to document the adventure, and a new best friend watching his back. Neil might think he's prepared for what he'll find in the dark and decrepit asylum. But he's certainly not prepared for what follows him home. . . . Scary, suspenseful, and surprising, Dan Pablocki's latest ghost story will keep you turning pages deep into the dead of night.

International treaties, conventions, and organizations to protect refugees were established in the aftermath of World War II to protect people escaping targeted persecution by their own governments. However, the nature of cross-border displacement has transformed dramatically since then. Such threats as environmental change, food insecurity, and generalized violence force massive numbers of people to flee states that are unable or unwilling to ensure their basic rights, as do conditions in failed and fragile states that make possible human rights deprivations. Because these reasons do not meet the legal understanding of persecution, the victims of these circumstances are not usually recognized as "refugees," preventing current institutions from ensuring their protection. In this book, Alexander Betts develops the concept of "survival migration" to highlight the crisis in which these people find themselves. Examining flight from three of the most fragile states in Africa—Zimbabwe, the Democratic Republic of Congo, and Somalia—Betts explains variation in institutional responses across the neighboring host states. There is massive inconsistency. Some survival migrants are offered asylum as refugees; others are rounded up, detained, and deported, often in brutal conditions. The inadequacies of the current refugee regime are a disaster for human rights and gravely threaten international security. In Survival Migration, Betts outlines these failings, illustrates the enormous human suffering that results, and argues strongly for an expansion of protected categories.

It's been ten years since open data first broke onto the global stage. Over the past decade, thousands of programmes and projects around the world have worked to open data and use it to address a myriad of social and economic challenges. Meanwhile, issues related to data rights and privacy have moved to the centre of public and political discourse. As the open data movement enters a new phase in its evolution, shifting to target real-world problems and embed open data thinking into other existing or emerging communities of practice, big questions still remain. How will open data initiatives respond to new concerns about privacy, inclusion, and artificial intelligence? And what can we learn from the last decade in order to deliver impact where it is most needed? The State of Open Data brings together over 60 authors from around the world to address these questions and to take stock of the real progress made to date across sectors and around the world, uncovering the issues that will shape the future of open data in the years to come.

"Supported with more than 174 illustrations and utilizing simple derivations and results from numerical electromagnetic simulations of real components, this single resource provides broad, intuitive know-how that helps practitioners overcome design challenges with speed and confidence."--Jacket.

Essentials of RF and Microwave Grounding

In de Olde Worlde

Views of Filipino Migrants in Europe

Knock Knock Give a Sock

Depreciation, Inflation, and the Taxation of Income from Capital

From Theory to Practice

Qualitative Research for Development

This book focuses on various aspects of research on ageing, including in relation to assistive technology; dignity of aging; how technology can support a greater understanding of the experience of physically aging and cognitive changes; mobility issues associated with the elderly; and emerging technologies. The 80+ age group represents an expanding market, with an estimated worth of £21.4 billion a year. Everyone is affected by this shift in demographics – we are getting older and may become carers – and we need to prepare ourselves and adjust our surroundings for longer life. Products, services and environments have been changing in response to the changing population. Presenting international design research to demonstrate the thinking and ideas shaping design, this book is a valuable resource for designers; product developers; employers; gerontologists; and medical, health and service providers; as well as everyone interested in aging.

Mathematics is the music of science, and real analysis is the Bach of mathematics. There are many other foolish things I could say about the subject of this book, but the foregoing will give the reader an idea of where my heart lies. The present book was written to support a first course in real analysis, normally taken after a year of elementary calculus. Real analysis is, roughly speaking, the modern setting for Calculus, "real" alluding to the field of real numbers that underlies it all. At center stage are functions, defined and taking values in sets of real numbers or in sets of the plane, 3-space, etc.) readily derived from the real numbers; a first course in real analysis traditionally places the emphasis on real-valued functions defined on sets of real numbers. The agenda for the course: (1) start with the axioms for the field ofreal numbers, (2) build, in one semester and with appropriate rigor, the four datations of calculus (including the "Fundamental Theorem"), and, along the way, (3) develop those skills and attitudes that enable us to continue learning mathematics on our own. Three decades of experience with the exercise have not diminished my astonishment that it can be done.

Focuses on digital violence and discrimination, cybercrime, digital transformation, and practices and studies related to digital violence. The book introduces and guides users through current best practices, laboratory methods, policies, protocols, and more within international digital violence and discrimination.

This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright in the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

The Media for Democracy Monitor

Histories and Horizons

The State of Open Data

Book of Abstracts of the 65th Annual Meeting of the European Association for Animal Production

Theory and Applications

The Old Vicarage, Grantchester

Antenna Theory

In this extraordinary new text, the contributors explore the enduring legacy of such social shocks as war, genocide, slavery, tyranny, crime, and disease. Among the cases addressed are: instances of genocide in Turkey, Cambodia, and Russia, the plight of the families of Holocaust survivors, atomic bomb survivors in Japan, and even the children of Nazis, the long-term effects associated with the Vietnam War and the war in Yugoslavia, and the psychology arising from the legacy of slavery in America.

Based on measured astronomical position data of heavenly objects in the Solar System and other planetary systems in the Universe, all bodies in space seem to move in some kind of elliptical motion with respect to each other. In this book, it is mathematically demonstrated and proven that bodies moving on two different circular orbits in space vector-wise behave as if moving on an elliptical path with respect to each other, and virtually seeing each other at an instantaneously stationary point in space on their relative virtual ecliptic plane. This mathematical revelation has the potential to lead to far reaching discoveries in physics, enabling more insight into forces of nature, with a formulation of a new fundamental model regarding the motions of bodies in the Universe, including the Sun, Planets, and Satellites in the Solar System and elsewhere, as well as at particle and subatomic level. A demonstrated mathematical analysis, the assertion is made that the Sun, the Earth, and the Moon must each be revolving in their individual circular orbits of revolution in space, as they exhibit almost fixed elliptical orbits relative to one another over time. With this assertion, individual orbital parameters of the Sun, the Earth, and the Moon are also calculated based on observed Earth-Sun and Earth-Moon distance data, to an approximation, with an analytical method also developed in this book. The analysis has revealed additional results aligned with observation, supporting our assertion that the Sun, the Earth, and the Moon must actually be revolving in circular orbits, with additional surprising insight into the orbits of these heavenly bodies, which can all be found inside. This book consists of: Four scientific papers detailing the research results of Asia Pinar Tan on this subject, a fifth scientific paper presenting the overall picture of obtained results, and a sixth scientific paper with an overview of results for readers in Turkish.

This book reveals the roots of structural racism that limit social mobility and equality within Britain for Black and ethnicised students and academics in its inherently white Higher Education institutions. It brings together both established and emerging scholars in the fields of Race and Education to explore what institutional racism in British Higher Education looks like in colour-blind 'post-race' times, when racism is deemed to be 'off the political agenda'. Keeping pace with our rapidly changing global universities, this edited collection asks difficult and challenging questions, including why black academics leave the system; why the curriculum is still white; how elite universities reproduce race privilege; and how Black, Muslim and Gypsy traveller students are disadvantaged and excluded. The book also discusses why British racial equality legislation has failed to address racism, and explores what the Black student movement is doing about this. As the authors powerfully argue, it is only by dismantling the invisible architecture of post-colonial white privilege that the 21st century struggle for a truly decolonised academy can begin. This collection will be essential reading for students and academics working in the fields of Education, Sociology, and Race.

A coordinated multi-point (CoMP), this comprehensive book covers everything from theoretical basics to practical implementation. Addressing a wide range of topics, it highlights the potential gains of CoMP, the fundamental degrees of freedom involved and the key challenges of using CoMP in practice. The editors and contributors bring unique real-world experience from running the world's first and largest test beds for LTE-Advanced, and recent field trial results from these tests are presented. With detailed insight into the realistic potential of CoMP as a key technology for LTE-Advanced and beyond, this is a must-read resource for professionals and students who want the big picture on CoMP or require in-depth knowledge of how to build cellular communication systems for the future. Exclusive! View these videos of the authors discussing this book:

Coordinated Multi-Point in Mobile Communications

A Guide for Practitioners

India Case Study

An Interdisciplinary View

Developments and Advances in Defense and Security

U.S. Government Research & Development Reports

Beam Plasma Interaction, Hydrodynamics, Hot Dense Matter

Issues for 1973- cover the entire IEEE technical literature.

Militarism is being globalized today not only in war zones such as Ukraine and Syria, but in "peaceful" arenas such as families and football stadiums. Ideas and practices of masculinities and femininities are fuel for this global militarization. Who is presumed to be "weak" and who "tough"? Who is the "protector, who the "grateful protected"? Written by one of the world's leading feminist scholars, this masterful and provocative newly updated edition tracks how women's desires to be patriotic yet feminine and men's fears of being feminized each have been exploited to globalize militarism—and thus what it will take to roll back militarization anywhere. Here are explorations of how governments shrink the meaning of "national security," how Nike and Adidas rely on militaries to keep women workers' wages low, how ideas about feminization were used to humiliate male prisoners in Abu Ghraib, and of why "camo" became a fashion statement. Cynthia Enloe offers readers a practical gender analysis tool kit with which to expose militarism's blatant and subtle workings. Focusing her lens on the "big picture" of international politics and on the not-so-small picture of women's and men's complex everyday lives, Enloe challenges us to chart militarism in all its forms in this updated edition.

This open access book presents 18 case studies that explore current scientific and technological efforts to address global development issues, such as poverty, from a holistic and interdisciplinary point of view, putting actual impacts at the centre of its analysis. It illustrates the use of technologies for development in various fields of research, such as humanitarian action, medical and information and communication technology, disaster risk-reduction technologies, habitat and sustainable access to energy. The authors discuss how innovative technologies, such as unmanned aerial vehicles for disaster risk reduction, crowdsourcing humanitarian data, online education and ICT-based medical technologies can have significant social impact. The book brings together the best papers of the 2016 International Conference on Technologies for Development at EPFL, Switzerland. The book explores how the gap between innovation in the global South and actual social impact can be bridged. It fosters exchange between engineers, other scientists, practitioners and policy makers active at the interface of innovation and technology and human, social, and economic development.

"This open access book addresses an urgent issue on which little original information exists. It reflects experience in Africa but is highly relevant to other fragile states as well." —Constantine Michalopoulos, John Hopkins University, USA and former Director of Economic Policy and Co-ordination at the World Bank Fragile countries face a triple data challenge. Up-to-date information is needed to deal with rapidly changing circumstances and to design adequate responses. Yet, fragile countries are among the most data deprived, while collecting new information in such circumstances is very challenging. This open access book presents innovations in data collection developed with decision makers in fragile countries in mind. Looking at innovations in Africa from mobile phone surveys monitoring the Ebola crisis, to tracking displaced people in Mali, this collection highlights the challenges in data collection researchers face and how they can be overcome.

A Quantitative Analysis of Radiator Coupling

Everything Is A Circle

Victim-Perpetrator Dynamics

A First Course in Real Analysis

The Abused and the Abuser

Feminists Make the Link

Situational Analysis of the Effects of and Responses to Covid-19 in Asia

How do we know whether our development programmes are reducing poverty and empowering the most vulnerable people? What evidence do we have to support our theory of change? Qualitative research for development aims to build the research capacity of development practitioners so that their work benefits from the significant contributions offered by solid qualitative research. The book guides development practitioners through the process of planning, conducting and reporting on a qualitative study, whilst simultaneously highlighting the role of qualitative research in improving the impact, quality and accountability of development programmes. It covers in detail data collection methods such as Participatory Learning and Action, Photovoice, Individual Interviews, Focus Group Discussions and Observations. It demystifies qualitative research and builds the skills and confidence of development practitioners to use qualitative methods authoritatively, and to communicate findings to different audiences. The book draws on considerable hands-on experience and incorporates case studies from Save the Children and other international organizations to illustrate 'good practice'. To facilitate learning, all the chapters include a series of practical activities that can help the reader to engage actively with the material. This book is an indispensable learning tool for all development practitioners within NGOs and government departments, as well as researchers and students engaged with applied qualitative research in the context of development.

This book gathers the proceedings of the Multidisciplinary International Conference of Research Applied to Defense and Security (MICRADS), held at the Military Engineering Institute, Rio de Janeiro, Brazil, from 8 to 10th May 2019. It covers a variety of topics in systems, communication and defense; strategy and political-administrative vision in defense; and engineering and technologies applied to defense. Given its scope, it offers a valuable resource for practitioners, researchers, and students alike.

This book is an inertial confinement fusion, an alternative way to produce electrical power from hydrogen fuel by using powerful lasers or particle beams. It involves the compression of tiny amounts (micrograms) of fuel to thousand times solid density and pressures otherwise existing only in the centre of stars. Thanks to advances in laser technology, it is now possible to produce such extreme states of matter in the laboratory. Recent developments have boosted laser intensities again with new possibilities for laser particle accelerators, laser nuclear physics, and fast ignition of fusion targets. This is a reference book for those working on beam plasma physics, be it in the context of fundamental research or applications to fusion energy or novel ultra-bright laser sources. The book combines quite different areas of physics: beam target interaction, dense plasmas, hydrodynamic implosion and instabilities, radiative energy transfer as well as fusion reactions. Particular attention is given to simple and useful modelling, including dimensional analysis and similarity solutions. Both authors have worked in this field for more than 20 years. They want to address in particular those teaching this topic to students and all those interested in understanding the technical basis.

This Book of Abstracts is the main publication of the 65th Annual Meeting of the European Federation for Animal Science 2014 in Copenhagen, Denmark. It contains abstracts of the invited papers and contributed presentations. The meeting addressed subjects relating to science and innovation. Important problems were also discussed during the sessions of EAAP's nine Commissions: Animal Genetics, Animal Nutrition, Animal Management and Health, Animal Physiology, Cattle Production, Sheep and Goat Production, Pig Production, Horse Production and Livestock Farming Systems.

Compact Antenna Arrays in Mobile Communications

Female Genital Mutilation

Dismantling Race in Higher Education

Racism, Whiteness and Decolonising the Academy

Proceedings of MICRADS 2019

The Good Enough Guide

Index to IEEE Publications