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KEY=PDF - BUCK COMPTON

NAVIGATING COPYRIGHT FOR LIBRARIES

PURPOSE AND SCOPE

Walter de Gruyter GmbH & Co KG Information is a critical resource for personal, economic and social development. Libraries and archives are the primary access point to information for individuals and communities with much of the information protected by copyright or licence terms. In this complex legal environment, librarians and information professionals operate at the fulcrum of copyright's balance, ensuring understanding of and compliance with copyright legislation and enabling access to knowledge in the pursuit of research, education and innovation. This book, produced on behalf of the IFLA Copyright and other Legal Matters (CLM) Advisory Committee, provides basic and advanced information about copyright, outlines limitations and exceptions, discusses communicating with users and highlights emerging copyright issues. The chapters note the significance of the topic; describe salient points of the law and legal concepts; present selected comparisons of approaches around the world; highlight opportunities for reform and advocacy; and help libraries and librarians find their way through the copyright maze.

TITLE 47 TELECOMMUNICATION PARTS 40 TO 69 (REVISED AS OF OCTOBER 1, 2013)

47-CFR-VOL-3

IntraWEB, LLC and Claitor's Law Publishing 47 CFR Telecommunication

CODE OF FEDERAL REGULATIONS

2000-

Special edition of the Federal Register, containing a codification of documents of general applicability and future effect ... with ancillaries.

CAR TROUBLES

CRITICAL STUDIES OF AUTOMOBILITY AND AUTO-MOBILITY

Routledge Car Troubles central premise is that the car as the dominant mode of travel needs to be problematized. It examines a wide range of issues that are central to automobility by situating it within social, economic, and political contexts, and by combining social theory, specific case studies and policy-oriented analysis. With an international team of contributors the book provides a coherent and comprehensive analysis of the global phenomenon of automobility from the Anglo world to the cases in China and Chile and all the elements that relate to it.

THE LEGALTECH BOOK

THE LEGAL TECHNOLOGY HANDBOOK FOR INVESTORS, ENTREPRENEURS AND FINTECH VISIONARIES

John Wiley & Sons Written by prominent thought leaders in the global fintech and legal space, The LegalTech Book aggregates diverse expertise into a single, informative volume. Key industry developments are explained in detail, and critical insights from cutting-edge practitioners offer first-hand information and lessons learned. Coverage includes: · The current status of LegalTech, why now is the time for it to boom, the drivers behind it, and how it relates to FinTech, RegTech, InsurTech, WealthTech and PayTech · Applications of AI, machine learning and deep learning in the practice of law; e-discovery and due diligence; AI as a legal predictor · LegalTech making the law accessible to all; online courts, online dispute resolution · The Uberization of the law; hiring and firing through apps · Lawbots; social media meets legal advice · To what extent does LegalTech make lawyers redundant or more efficient? · Cryptocurrencies, distributed ledger technology and the law · The Internet of Things, data privacy, automated contracts · Cybersecurity and data · Technology vs. the law; driverless cars and liability, legal rights of robots, ownership rights over works created by technology · Legislators as innovators · Practical LegalTech solutions helping Legal departments in corporations and legal firms alike to get better legal work done at lower cost

MEGA-REGIONAL TRADE AGREEMENTS: CETA, TTIP, AND TISA

NEW ORIENTATIONS FOR EU EXTERNAL ECONOMIC RELATIONS

Oxford University Press The Comprehensive Economic and Trade Agreement between the EU and Canada (CETA), proposed Transatlantic Trade and Investment Partnership between the EU and the US (TTIP), and the plurilateral Trade in Services Agreement (TiSA) between the EU and 22 other States have sparked a great deal of academic and public interest. This edited collection brings together leading experts in the field of international economic law to address the legal complexities of these treaties and provide an explanation of their core principles. In the first two chapters, this book examines the main motivations for negotiating mega-regional agreements and changing conceptions of international economic law. In nine further contributions, international experts examine sectoral issues such as the trade, investment, and dispute settlement disciplines envisaged in these 'mega-regional' agreements. Going on to consider the progress made in intellectual property protection, the problems associated with data protection, disciplines on financial services, human rights, labour and environmental standards, issues of transparency and legitimacy, and the relationship between CETA, TTIP, and TiSA on the one hand and EU law on the other hand are analysed. Concluding with four chapters that discuss the fundamental questions surrounding these mega-regional agreements from an economic, a political science, and a legal perspective.

OPEN-FILE REPORT

ENCYCLOPEDIA OF INTERNET TECHNOLOGIES AND APPLICATIONS

IGI Global Provides the most thorough examination of Internet technologies and applications for researchers in a variety of related fields. For the average Internet consumer, as well as for experts in the field of networking and Internet technologies.

OFFICIAL GAZETTE OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENTS

TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL

"The Telecommunications Distribution Methods Manual (TDMM) is BICSI's flagship manual. Now in its 13th edition, it is the basis for the RCDD® exam and has become a true world resource in global best practices." - Publisher.

SMALL ANIMAL CRITICAL CARE MEDICINE - E-BOOK

Elsevier Health Sciences **Small Animal Critical Care Medicine** is a comprehensive, concise guide to critical care, encompassing not only triage and stabilization, but also the entire course of care during the acute medical crisis and high-risk period. This clinically oriented manual assists practitioners in providing the highest standard of care for ICU patients. More than 150 recognized experts offer in-depth, authoritative guidance on clinical situations from a variety of perspectives. Consistent, user-friendly format ensures immediate access to essential information. Organ-system, problem-based approach incorporates only clinically relevant details. Features state-of-the-art invasive and non-invasive diagnostic and monitoring procedures, as well as an extensive section on pharmacology. Appendices provide conversion tables, continuous rate infusion determinations, reference ranges, and more.

PROCEEDINGS OF THE 13TH INTERNATIONAL CONGRESS OF CHEMOTHERAPY: AMINOGLYCOSIDES, MAKROLIDES, TDM, BDP, SPEC. CHEMOTHERAPEUTICS, NALIDIXINANALOGS

THE MUSICIAN'S GUIDE TO PRO TOOLS

McGraw Hill Professional This expertly written guide will show you exactly why Pro Tools shrinks a full music studio into a computer, replacing the bulky recording infrastructure of multi-track analog mixing boards and rolls of two-inch-wide magnetic tape. Ideal for beginning, intermediate, and advanced producers, sound engineers, and musicians.

ACCREDITATION AND ASSESSMENT OF JOURNALISM EDUCATION IN EUROPE

QUALITY EVALUATION AND STAKEHOLDER INFLUENCE

Nomos Verlag Wie wird die Journalistenausbildung in Europa akkreditiert und evaluiert? Meist sind es staatliche Organisationen oder die Medienbranche, die mit der Akkreditierung Ziele, Inhalte und Strukturen beeinflussen. Damit setzen sie Qualitätsstandards und greifen gleichzeitig in die Autonomie der Journalistenausbildung ein. In zwölf Länderstudien zeigt der Band, wie Akkreditierung Journalistenausbildung beeinflusst: in Finnland, Deutschland, den Niederlanden, Großbritannien, Irland, Schweiz, Russland, Georgien, Frankreich, Spanien, Ungarn und Rumänien. Der zweite Teil des Buches liefert eine vergleichende Analyse der Länderstudien, beschäftigt sich mit der über siebzehnjährigen Erfahrung der US-amerikanischen Akkreditierung von Journalismusstudiengängen durch die ACEJMC und zeigt, wie Akkreditierung von Studiengängen in Europa fächerübergreifend organisiert ist. Die Herausgeberin ist Professorin an der Jade Hochschule in Wilhelmshaven und forscht dort zu Journalistenausbildung und Medienfreiheit.

TRANSPORT

PediaPress

FIELDBUS AND NETWORKING IN PROCESS AUTOMATION

CRC Press **Fieldbuses**, particularly wireless fieldbuses, offer a multitude of benefits to process control and automation. Fieldbuses replace point-to-point technology with digital communication networks, offering increased data availability and easier configurability and interoperability. **Fieldbus and Networking in Process Automation** discusses the newest fieldbuses on the market today, detailing their utilities, components and configurations, wiring and installation methods, commissioning, and safety aspects under hostile environmental conditions. This clear and concise text: Considers the advantages and shortcomings of the most sought after fieldbuses, including HART, Foundation Fieldbus, and Profibus Presents an overview of data communication, networking, cabling, surge protection systems, and device connection techniques Provides comprehensive coverage of intrinsic safety essential to the process control, automation, and chemical industries Describes different wireless standards and their coexistence issues, as well as wireless sensor networks Examines the latest offerings in the wireless networking arena, such as WHART and ISA100.11a Offering a snapshot of the current state of the art, **Fieldbus and Networking in Process Automation** not only addresses aspects of integration, interoperability, operation, and automation pertaining to fieldbuses, but also encourages readers to explore potential applications in any given industrial environment.

EU INTERNET LAW IN THE DIGITAL SINGLE MARKET

Springer Nature With the ongoing evolution of the digital society challenging the boundaries of the law, new questions are arising - and new answers being given - even now, almost three decades on from the digital revolution. Written by a panel of legal specialists and edited by experts on EU Internet law, this book provides an overview of the most recent developments affecting the European Internet legal framework, specifically focusing on four current debates. Firstly, it discusses the changes in online copyright law, especially after the enactment of the new directive on the single digital market. Secondly, it analyzes the increasing significance of artificial intelligence in our daily life. The book then addresses emerging issues in EU digital law, exploring out of the box approaches in Internet law. It also presents the last cyber-criminality law trends (offenses, international instrument, behaviors), and discusses the evolution of personal data protection. Lastly, it evaluates the degree of consumer and corporate protection in the digital environment, demonstrating that now, more than ever, EU Internet law is based on a combination of copyright, civil, administrative, criminal, commercial and banking laws.

MASSIVE WDM AND TDM SOLITON TRANSMISSION SYSTEMS

A ROSC SYMPOSIUM

Springer Science & Business Media This book summarizes the proceedings of the invited talks presented at the "International Symposium on Massive TDM and WDM Optical Soliton Transmission Systems" held in Kyoto during November 9-12, 1999. The symposium is the third of the series organized by Research Group for Optical Soliton Communications (ROSC) chaired by Akira Hasegawa. The research group, ROSC, was established in Japan in April 1995 with a support of the Japanese Ministry of Post and Telecommunications to promote collaboration and information - change among communication service companies, communication industries and academic circles in the theory and application of optical solitons. The symposium attracted enthusiastic response from worldwide researchers in the field of soliton based communications and intensive discussions were made. In the symposium held in 1997, new concept of soliton transmission based on dispersion management of optical fibers were presented. This new soliton is now called the dispersion managed soliton. The present symposium mainly focuses the theoretical and experimental developments of dispersion managed solitons. It is remarkable that the concept of the dispersion managed soliton, which was just born two years ago when the naming was not even given yet, has become the center of soliton research in two years. The dispersion managed soliton has an enhanced power in maintaining reasonable signal to noise ratio, yet has reduced Gordon-Haus timing jitter by reduced averagedispersion. The dispersion managed soliton

also has demonstrated its power in soliton based WDM transmissions.

TWENTY-NINTH REPORT OF SESSION 2012-13

DOCUMENTS CONSIDERED BY THE COMMITTEE ON 23 JANUARY 2013, INCLUDING THE FOLLOWING RECOMMENDATIONS FOR DEBATE, IMPLEMENTATION OF THE COMMON COMMERCIAL POLICY; 2013 SALARY AND PENSION ADJUSTMENT FOR EU STAFF, REPORT, TOGETHER WITH FORMAL MINUTES

The Stationery Office

COPYRIGHT RECONSTRUCTED: RETHINKING COPYRIGHT'S ECONOMIC RIGHTS IN A TIME OF HIGHLY DYNAMIC TECHNOLOGICAL AND ECONOMIC CHANGE

Kluwer Law International B.V. About this book: Copyright Reconstructed is the result of a collaborative research project, 'Reconstructing Rights' funded by Microsoft Europe, that normatively examined the core economic rights protected under EU copyright law, with the aim of realigning these rights with economic and technological realities. It follows an interdisciplinary approach, combining economic and legal methods. The book presents various concurring future models of 'reconstructed' copyright law. The historical evolution of copyright has led to a growing disconnect between the legal definitions of economic rights and the business and technological realities they regulate, eroding copyright's normative content and distorting the scope of its economic rights. What's in this book: This book is structured as follows. Following a historical chapter that illustrates how a structure of media-specific economic rights has developed in international copyright law as copyright's catalogue of rights, a number of alternative models for reconstructing rights are presented in the form of chapters by Europe's most respected copyright scholars and economists focusing on potentially copyright-relevant acts that lie at the borders of exclusive rights: digital resale; private copying; hyperlinking and embedding; cable retransmission; and text and data mining. How this will help you: Offering the most incisive current thinking on copyright's economic rights in an increasingly networked world where acts of usage of works occur on a global or regional scale rather than on a purely national territorial basis, this book will be of immeasurable value not only to academics but also to practitioners and professionals in intellectual property law. This book guides copyright lawyers and scholars in the fields of international and EU copyright law in understanding the nexus between copyright law and technological and economic change. It also helps lawmakers and judges at the European, national and international levels formulate legislative responses to the challenges of the digital environment.

ONLINE DISTRIBUTION OF CONTENT IN THE EU

Edward Elgar Publishing The legal issues surrounding the online distribution of content have recently gained prominence due to the European Commission's commitment to the Digital Single Market (DSM). This book is one of the first to provide highly topical analysis of the key legal challenges surrounding the online distribution of content, with particular focus on intellectual property rights, competition law and the regulation of new technologies.

CONTEMPORARY AND EMERGING ISSUES ON THE LAW OF DAMAGES AND VALUATION IN INTERNATIONAL INVESTMENT ARBITRATION

BRILL Contemporary and Emerging Issues on the Law of Damages and Valuation in International Investment Arbitration, edited by Christina L. Beharry, examines a broad range of damages topics, building on basic principles and surveying current developments to identify trends in the jurisprudence.

DESIGN CONCEPTS FOR A VIRTUALIZABLE EMBEDDED MPSOC ARCHITECTURE

ENABLING VIRTUALIZATION IN EMBEDDED MULTI-PROCESSOR SYSTEMS

Springer Alexander Biedermann presents a generic hardware-based virtualization approach, which may transform an array of any off-the-shelf embedded processors into a multi-processor system with high execution dynamism. Based on this approach, he highlights concepts for the design of energy aware systems, self-healing systems as well as parallelized systems. For the latter, the novel so-called Agile Processing scheme is introduced by the author, which enables a seamless transition between sequential and parallel execution schemes. The design of such virtualizable systems is further aided by introduction of a dedicated design framework, which integrates into existing, commercial workflows. As a result, this book provides comprehensive design flows for the design of embedded multi-processor systems-on-chip.

VOIP AND UNIFIED COMMUNICATIONS

INTERNET TELEPHONY AND THE FUTURE VOICE NETWORK

John Wiley & Sons Translates technical jargon into practical business communications solutions This book takes readers from traditional voice, fax, video, and data services delivered via separate platforms to a single, unified platform delivering all of these services seamlessly via the Internet. With its clear, jargon-free explanations, the author enables all readers to better understand and assess the growing number of voice over Internet protocol (VoIP) and unified communications (UC) products and services that are available for businesses. VoIP and Unified Communications is based on the author's careful review and synthesis of more than 7,000 pages of published standards as well as a broad range of datasheets, websites, whitepapers, and webinars. It begins with an introduction to IP technology and then covers such topics as: Packet transmission and switching VoIP signaling and call processing How VoIP and UC are defining the future Interconnections with global services Network management for VoIP and UC This book features a complete chapter dedicated to cost analyses and payback calculations, enabling readers to accurately determine the short- and long-term financial impact of migrating to various VoIP and UC products and services. There's also a chapter detailing major IP systems hardware and software. Throughout the book, diagrams illustrate how various VoIP and UC components and systems work. In addition, the author highlights potential problems and threats to UC services, steering readers away from common pitfalls. Concise and to the point, this text enables readers—from novices to experienced engineers and technical managers—to understand how VoIP and UC really work so that everyone can confidently deal with network engineers, data center gurus, and top management.

TDM IN EUROPE

A SYNTHESIS OF RESEARCH RECORDINGS

RECORDING IN THE DIGITAL WORLD

COMPLETE GUIDE TO STUDIO GEAR AND SOFTWARE

Hal Leonard Corporation Written for professional musicians, music educators, and music hobbyists who want to explore the world of digital recording

ADVANCES IN COMPUTATION, MODELING AND CONTROL OF TRANSITIONAL AND TURBULENT FLOWS

World Scientific "The role of high performance computing in current research on transitional and turbulent flows is undoubtedly very important. This review volume provides a good platform for leading experts and researchers in various fields of fluid mechanics dealing with transitional and turbulent flows to synergistically exchange ideas and present the state of the art in the fields. Contributed by eminent researchers, the book chapters feature keynote lectures, panel discussions and the best invited contributed papers."--

CONFERENCE RECORD

IMPACT OF EMPLOYER-BASED PROGRAMS ON TRANSIT SYSTEM RIDERSHIP AND TRANSPORTATION SYSTEM PERFORMANCE

FEDERAL REGISTER

SATELLITE COMMUNICATIONS SYSTEMS ENGINEERING

ATMOSPHERIC EFFECTS, SATELLITE LINK DESIGN AND SYSTEM PERFORMANCE

John Wiley & Sons Provides an invaluable, detailed and up-to-date coverage of atmospheric effects and their impact on satellite communications systems design and performance. Significant progress has been made in the last decade in the understanding and modelling of propagation effects on radio wave propagation in the bands utilized for satellite communications. This book provides a comprehensive description and analysis of all atmospheric effects of concern for today's satellite systems, and the tools necessary to design the links and to evaluate system performance. This book will serve as an excellent reference to communications engineers, wireless network and system engineers, system designers and graduate students in satellite communications and related areas. Key features: Provides the state of the art in communications satellite link design and performance from the practicing engineer perspective - concise descriptions, specific procedures and comprehensive solutions Contains the calculations and tools necessary for evaluating system performance Provides a complete evaluation of atmospheric effects, modelling and prediction Focuses on the satellite free-space link as the primary element in the design and performance for satellite communications, and recognizes the importance of free-space considerations such as atmospheric effects, frequency of operation and adaptive mitigation techniques a solutions manual is available directly from the author (lippolit@gwu.edu)

INCREASE

PROCEEDINGS OF THE 1ST INTERNATIONAL CONGRESS ON ENGINEERING AND SUSTAINABILITY IN THE XXI CENTURY - INCREASE 2017

Springer This book presents the proceedings of the International Congress on Engineering and Sustainability in the XXI Century - INCREASE 2017, which was held in Faro, Portugal, from October 11 to 13, 2017. The book promotes a multidisciplinary approach to sustainable development, exploring a number of transversal challenges. It discusses natural and anthropogenic risks; tourism and sustainability; healthy food; water and society; sustainable mobility; renewable energy; and energy efficiency, offering perspectives from civil, electronics, mechanical and food engineering.

TRAVELER RESPONSE TO TRANSPORTATION SYSTEM CHANGES

PEDESTRIAN AND BICYCLE FACILITIES

Transportation Research Board From a transportation and community perspective, objectives of pedestrian and bicycle facility improvements have evolved to include numerous aspects of providing viable and safe active transportation options for all ages, abilities, and socioeconomic groups. Pedestrian and bicycle facilities appear overall to benefit the full spectrum of society perhaps more broadly than any other provision of transportation. A challenge in non-motorized transportation (NMT) benefit analysis is to adequately account for all the different forms in which pedestrian and bicycle facilities provide benefit. In this report, new as well as synthesized research is presented. This chapter examines pedestrian and bicyclist behavior and travel demand outcomes in a relatively broad sense. It covers traveler response to NMT facilities both in isolation and as part of the total urban fabric, along with the effects of associated programs and promotion. It looks not only at transportation outcomes, but also recreational and public health outcomes. This chapter focuses on the travel behavior and public health implications of pedestrian/bicycle area-wide systems; NMT-link facilities such as sidewalks, bicycle lanes, and on-transit accommodation of bicycles; and node-specific facilities such as street-crossing treatments, bicycle parking, and showers. Discussion of the implications of pedestrian and bicycle "friendly" neighborhoods, policies, programs, and promotion is also incorporated. The public health effects coverage of this chapter, and associated treatment of walking and bicycling and schoolchild travel as key aspects of active living, have been greatly facilitated by participation in the project by the National Center for Environmental Health--part of the Centers for Disease Control and Prevention (CDC). This pivotal CDC involvement has included supplemental financial support for the Chapter 16 work effort. It has also encompassed assistance with research sources and questions, and draft chapter reviews by individual CDC staff members in parallel with TCRP Project B-12A Panel member reviews (see "Chapter 16 Author and Contributor Acknowledgments". TCRP Report 95: Chapter 16, Pedestrian and Bicycle Facilities will be of interest to transit, transportation, and land use planning practitioners; public health professionals and transportation engineers; land developers, employers, and school administrators; researchers and educators; and professionals across a broad spectrum of transportation, planning, and public health agencies; MPOs; and local, state, and federal government agencies. This chapter is complemented by illustrative photographs provided as a "Photo Gallery" at the conclusion of the report. In addition, PowerPoint slides of the photographs in full color are available on the TRB website at <http://www.trb.org/Main/Blurbs/167122.aspx>.

THERAPEUTIC DRUG MONITORING (TDM): A USEFUL TOOL FOR PEDIATRIC PHARMACOLOGY APPLIED TO ROUTINE CLINICAL PRACTICE

Frontiers Media SA

SOUTHEAST FEDERAL CENTER, EASTERN PORTION, HEADQUARTERS BUILDING CONSTRUCTION

ENVIRONMENTAL IMPACT STATEMENT

EVOLUTION OF APA REGIME

Kluwer Law International B.V. Advance pricing agreements or arrangements (APAs) are designed as a dispute prevention mechanism for transfer pricing related issues and provide certainty to taxpayers on taxation of cross-border transactions. Since the APA procedure was introduced by tax authorities in the late 1980s, it has gradually taken hold worldwide and evolved along several dimensions with important characteristics. This book, the first exclusively dedicated to the global APA regime, provides a comprehensive, in-depth discussion of the APA concepts and procedures in twenty-five jurisdictions across Europe, Asia, Asia Pacific, North America, South America and Africa, noting the particular genesis, features, and progress made under each programme. The analysis covers such elements as the following: the types of APAs and their characteristics; the main steps involved in an APA process; key advantages of APA programme and comparative study of the APA as a preferred dispute prevention mechanism over other dispute resolution mechanisms; key issues observed and in practice by various APA authorities worldwide inter alia involving, cost base of captive entities, resolution of transfer pricing issues involving intangibles, location savings, joint site visits, attribution of profits to PEs, APAs for small businesses, abbreviated procedure for renewal of APAs, significance of economic nexus prior to the grant of APAs and other relevant issues; exchange of APA rulings equip tax authorities to quickly identify risk areas so as to curb Base Erosion and Profits Shifting (BEPS), which augurs well for the APA programme and is another milestone in its evolution process; APAs provide jurisdictions with an excellent platform to fostering a non-adversarial tax regime. The author includes an extended case study of India's APA programme, highlighting some of its conspicuous elements with equal focus on certain special characteristics of APAs in Australia, Canada, France, Germany, Ireland, Korea, The Netherlands, Poland, UK and the United States. Factors influencing speedier processing and suggestions on further improvement of APA programmes are also included. Numerous tables and figures illustrate all aspects associated with APAs. With more economies opening up and the worldwide implementation of the OECD/G20 BEPS Action Reports in an endeavour to combat BEPS, access and recourse to APAs is sure to grow. This invaluable book will enable tax administrations to learn from each other's experiences and help to prevent costly and time-consuming transfer pricing audits and litigation for multinational enterprises. The book will be welcomed by revenue officials, professionals, and advisors concerned with international taxation, as well as by tax law academics.

FCC RECORD

A COMPREHENSIVE COMPILATION OF DECISIONS, REPORTS, PUBLIC NOTICES, AND OTHER DOCUMENTS OF THE FEDERAL COMMUNICATIONS COMMISSION OF THE UNITED STATES

INNOVATIVE DATA COMMUNICATION TECHNOLOGIES AND APPLICATION

ICIDCA 2019

Springer Nature This book presents emerging concepts in data mining, big data analysis, communication, and networking technologies, and discusses the state-of-the-art in data engineering practices to tackle massive data distributions in smart networked environments. It also provides insights into potential data distribution challenges in ubiquitous data-driven networks, highlighting research on the theoretical and systematic framework for analyzing, testing and designing intelligent data analysis models for evolving communication frameworks. Further, the book showcases the latest developments in wireless sensor networks, cloud computing, mobile network, autonomous systems, cryptography, automation, and other communication and networking technologies. In addition, it addresses data security, privacy and trust, wireless networks, data classification, data prediction, performance analysis, data validation and verification models, machine learning, sentiment analysis, and various data analysis techniques.

CLIMATE CHANGE AND CITIES

SECOND ASSESSMENT REPORT OF THE URBAN CLIMATE CHANGE RESEARCH NETWORK

Climate Change and Cities bridges science-to-action for climate change adaptation and mitigation efforts in cities around the world.

THE RF TRANSMISSION SYSTEMS HANDBOOK

CRC Press Although it is one of the oldest sectors of electronics and now somewhat taken for granted, radio frequency transmission literally changed our world. Today, it is still the backbone of myriad applications, from broadcasting to electronic counter-measures. The wide variety of hardware in use means that those working in the field must be familiar with a multitude of principles and applications, but finding an up-to-date, comprehensive source for this background material has been difficult, if not impossible. The RF Transmission Systems Handbook addresses the underlying concepts, operation, and maintenance of high-power RF devices, transmission lines, and antennas for broadcast, scientific, and industrial use. Focusing on devices and systems that produce more than one kilowatt of output power, the handbook explores the following major topics: Applications: The common uses of radio frequency energy Fundamental principles: The basic technologies, concepts, and techniques used in RF transmission Power vacuum devices: The principles and applications of gridded vacuum tubes and microwave power devices Solid-state power devices: The operating parameters of semiconductor-based power devices RF components and transmission lines: The operation of hardware used to combine and conduct RF power Antenna systems: The different types of antennas and their basic operating parameters Troubleshooting: Basic troubleshooting techniques and the operation of important test instruments Contrary to the perceptions of many, RF technology remains a dynamic field that continues to advance to higher power levels and higher frequencies. Those who specify, install, and maintain RF equipment will welcome this reference that uniquely serves their needs.