

Samsung Omnia 7 User Guide

This practical handbook and reference provides a complete understanding of the telecommunications field supported by descriptions and case examples throughout. Taking a practical approach, The Telecommunications Handbook examines the principles and details of all of the major and modern telecommunications systems currently available to industry and to end-users. It gives essential information about usage, architectures, functioning, planning, construction, measurements and optimisation. The structure of the book is modular, giving both overall descriptions of the architectures and functionality of typical use cases, as well as deeper and practical guidelines for telecom professionals. The focus of the book is on current and future networks, and the most up-to-date functionalities of each network are described in sufficient detail for deployment purposes. The contents include an introduction to each technology, its evolution path, feasibility and utilization, solution and network architecture, and technical functioning of the systems (signalling, coding, different modes for channel delivery and security of core and radio system). The planning of the core and radio networks (system-specific field test measurement guidelines, hands-on network planning advices and suggestions for the parameter adjustments) and future systems are also described. Each chapter covers aspects individually for easy reference, including approaches such as: functional blocks, protocol layers, hardware and software, planning, optimization, use cases, challenges, solutions to potential problems. Provides very practical detail on the planning and operation of networks to enable readers to apply the content in real-world deployments. Bridges the gap between the communications in the academic context and the practical knowledge and skills needed to work in the telecommunications industry. Section divisions include: General theory; Fixed telecommunications; Mobile communications; Space communications; Other and special communications; and Planning and management of telecommunication networks. Covers new commercial and enhanced systems deployed, such as IPv6 based networks, LTE-Advanced and GALILEO. An essential reference for Technical personnel at telecom operators; equipment and terminal manufacturers; Engineers working for network operators.

Conventional theories of capitalism are mired in a deep crisis: after centuries of debate, they are still unable to tell us what capital is. Liberals and Marxists both think of capital as an 'economic' entity that they count in universal units of 'utils' or 'abstract labour', respectively. But these units are totally fictitious. Nobody has ever been able to observe or measure them, and for a good reason: they don't exist. Since liberalism and Marxism depend on these non-existing units, their theories hang in suspension. They cannot explain the process that matters most – the accumulation of capital. This book offers a radical alternative. According to the authors, capital is not a narrow economic entity, but a symbolic quantification of power. It has little to do with utility or abstract labour, and it extends far beyond machines and production lines. Capital, the authors claim, represents the organized power of dominant capital groups to reshape – or creorder – their society. Written in simple language, accessible to lay readers and experts alike, the book develops a novel political economy. It takes the reader through the history, assumptions and limitations of mainstream economics and its associated theories of politics. It examines the evolution of Marxist thinking on accumulation and the state. And it articulates an innovative theory of 'capital as power' and a new history of the 'capitalist mode of power'.

The Rough Guide to Digital Photography is an up-to-date quick reference tool for all things photography-related. With tips on composition and technique, editing quick fixes, and cool things to do with photos, this essential handbook tells you what you need to know to maximize the quality and impact of your pictures, both online and off. It will also help you make sense of the mass of online options in an ever-changing digital age, from photo sharing and hosting to creating blogs, mash-ups, and slide shows. Taking a practical look at the many image tools available, it will help you decide what's best for you and shows you how to: Learn the rules of composition ... and then learn how to break them. Harness the power of the digital darkroom and how to create images that will impress your friends. Whether you are new to photography, want to get the best out of your camera-phone, or are a dedicated amateur with an SLR, this book will help you make the most of your pictures at home, on the move, or online.

An essential guidebook for walking the GR5, one of the world's most spectacular long-distance trails. The GR5 makes its way through the Alps from the shores of Lac Léman at Geneva to the Mediterranean at Nice. A route of 674km (420 miles), it can be trekked in a month, or split over a series of summer trips. The GR5 is well within the reach of fit and moderately experienced walkers and backpackers. There is good signposting and waymarking, and accommodation, food and drink are all available at regular intervals. The paths and tracks are generally well graded, while steep climbs are tackled on zigzag paths, so the overall gradient is not so severe. Every summer, thousands of walkers embark on this trek. This guidebook also describes some scenic variant routes, including the stunning GR55 through the Vanoise National Park and the delightful GR52 that crosses the Mercantour National Park. Full descriptions and maps are provided for these alternatives. The book includes daily stages, timings, ascents and descents, full-colour mapping and gradient profiles, alongside information about facilities and services along the route. The result is an ideal companion to planning and completing your trek. Two further Cicerone guidebooks cover the remaining sections of the GR5; 'The GR5 Trail - Vosges and Jura', and 'The GR5 Trail - Benelux and Lorraine' which together cover the route from Lac Léman to the Hoek Van Holland.

A comprehensive one-volume reference on current JLFET methods, techniques, and research. Advancements in transistor technology have driven the modern smart-device revolution—many cell phones, watches, home appliances, and numerous other devices of everyday usage now surpass the performance of the room-filling supercomputers of the past. Electronic devices are continuing to become more mobile, powerful, and versatile in this era of internet-of-things (IoT) due in large part to the scaling of metal-oxide semiconductor field-effect transistors (MOSFETs). Incessant scaling of the conventional MOSFETs to cater to consumer needs without incurring performance degradation requires costly and complex fabrication process owing to the presence of metallurgical junctions. Unlike conventional MOSFETs, junctionless field-effect transistors (JLFETs) contain no metallurgical junctions, so they are simpler to process and less costly to manufacture. JLFETs utilize a gated semiconductor film to control its resistance and the current flowing through it. Junctionless Field-Effect Transistors: Design, Modeling, and Simulation is an inclusive, one-stop reference on the study and research on JLFETs. This timely book covers the fundamental physics underlying JLFET operation, emerging architectures, modeling and simulation methods, comparative analyses of JLFET performance metrics, and several other interesting facts related to JLFETs. A calibrated simulation framework, including guidance on Sentaurus TCAD software, enables researchers to investigate JLFETs, develop new architectures, and improve performance. This valuable resource: Addresses the design and architecture

challenges faced by JLFET as a replacement for MOSFET Examines various approaches for analytical and compact modeling of JLFETs in circuit design and simulation Explains how to use Technology Computer-Aided Design software (TCAD) to produce numerical simulations of JLFETs Suggests research directions and potential applications of JLFETs Junctionless Field-Effect Transistors: Design, Modeling, and Simulation is an essential resource for CMOS device design researchers and advanced students in the field of physics and semiconductor devices.

A wake up call and a call out that takes on NAFTA, the militarized United States-Mexico border, and revolutionary culture.

GET DIRTY Next time you're traveling or just chattin' in Korean with your friends, drop the textbook formality and bust out with expressions they never teach you in school, including: •Cool slang •Funny insults •Explicit sex terms •Raw swear words Dirty Korean teaches the casual expressions heard every day on the streets of Korea: •What's up? Wasseo? •Holy shit, I'm trashed. Ssibal, na manchiwi. •I gotta piss. Na swi ssayahae. •Who farted? Bangu nuga ggyeosseo? •Wanna try doggy-style? Dwichigi haeboja? •That bitch is crazy! Heo nyeon michin nyeoniya! •I could really go for some Korean BBQ. Na cheolpangui meokgospieo.

An explosive expose? of Samsung that "reads like a dynastic thriller, rolling through three generations of family intrigue, embezzlement, bribery, corruption, prostitution, and other bad behavior" (The Wall Street Journal). LONGLISTED FOR THE FINANCIAL TIMES AND MCKINSEY BUSINESS BOOK OF THE YEAR AWARD Based on years of reporting on Samsung for The Economist, The Wall Street Journal, and Time, from his base in South Korea, and his countless sources inside and outside the company, Geoffrey Cain offers a penetrating look behind the curtains of the biggest company nobody in America knows. Seen for decades in tech circles as a fast follower rather than an innovation leader, Samsung today has grown to become a market leader in the United States and around the globe. They have captured one quarter of the smartphone market and have been pushing the envelope on every front. Forty years ago, Samsung was a rickety Korean agricultural conglomerate that produced sugar, paper, and fertilizer, located in a backward country with a third-world economy. With the rise of the PC revolution, though, Chairman Lee Byung-chul began a bold experiment: to make Samsung a major supplier of computer chips. The multimillion-dollar plan was incredibly risky. But Lee, wowed by a young Steve Jobs, who sat down with the chairman to offer his advice, became obsessed with creating a tech empire. And in Samsung Rising, we follow Samsung behind the scenes as the company fights its way to the top of tech. It is one of Apple's chief suppliers of technology critical to the iPhone, and its own Galaxy phone outsells the iPhone. Today, Samsung employs over 300,000 people (compared to Apple's 80,000 and Google's 48,000). The company's revenues have grown more than forty times from that of 1987 and make up more than 20 percent of South Korea's exports. Yet their disastrous recall of the Galaxy Note 7, with numerous reports of phones spontaneously bursting into flames, reveals the dangers of the company's headlong attempt to overtake Apple at any cost. A sweeping insider account, Samsung Rising shows how a determined and fearless Asian competitor has become a force to be reckoned with.

This book constitutes the refereed proceedings of the Second International Conference on Electronic Government and the Information Systems Perspective, EGOVIS 2011, held in Toulouse, France, in August/September 2011. The 30 revised full papers presented were carefully reviewed and selected from numerous submissions. Among the topics addressed are aspects of security, reliability, privacy and anonymity of e-government systems, knowledge processing, service-oriented computing, and case studies of e-government systems in several countries.

A multidisciplinary index covering the journal literature of the arts and humanities. It fully covers 1,144 of the world's leading arts and humanities journals, and it indexes individually selected, relevant items from over 6,800 major science and social science journals.

Today's market for mobile apps goes beyond the iPhone to include BlackBerry, Nokia, Windows Phone, and smartphones powered by Android, webOS, and other platforms. If you're an experienced web developer, this book shows you how to build a standard app core that you can extend to work with specific devices. You'll learn the particulars and pitfalls of building mobile apps with HTML, CSS, and other standard web tools. You'll also explore platform variations, finicky mobile browsers, Ajax design patterns for mobile, and much more. Before you know it, you'll be able to create mashups using Web 2.0 APIs in apps for the App Store, App World, OVI Store, Android Market, and other online retailers. Learn how to use your existing web skills to move into mobile development Discover key differences in mobile app design and navigation, including touch devices Use HTML, CSS, JavaScript, and Ajax to create effective user interfaces in the mobile environment Learn about technologies such as HTML5, XHTML MP, and WebKit extensions Understand variations of platforms such as Symbian, BlackBerry, webOS, Bada, Android, and iOS for iPhone and iPad Bypass the browser to create offline apps and widgets using web technologies

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The first book to cover one of the hottest subjects in wireless communications today, Mobile WiMAX Summarises the fundamental theory and practice of Mobile WiMAX Presents topics at introductory level for readers interested in understanding communication and networking knowledge for Mobile WiMAX, whilst addressing advanced / specialised subjects related to Mobile WiMAX Contains the latest advances and research from the field and shares knowledge from the key players working in this area Chapter 1 updates Mobile WiMAX status and standards; Chapters 2-6 are related to physical layer transmission; Chapters 7-12 deal with MAC and networking issues; Chapters 13-14 discuss relay networks for mobile WiMAX; and Chapters 15-19 present multimedia networking for mobile WiMAX and application scenarios. Ideal for Mobile WiMAX R&D/practicing engineers (systems, applications and services, field, terminal, IC design, integration), business development professionals, academic researchers. Graduate students conducting research and graduate students studying in mobile WiMAX and next generation wireless communications. Undergraduate students studying mobile WiMAX related subjects

Expanded and updated, this practical guide is a one-stop design reference containing all an engineer needs when designing antennas Integrates state-of-the-art technologies with a special section for step-by-step antenna design Features up-to-date bio-safety and electromagnetic compatibility regulation compliance and latest standards Newly updated with MIMO antenna design, measurements and requirements Accessible to readers of many levels, from introductory to specialist Written by a practicing expert who has hired and trained numerous engineers

Written by a team of world-renowned artists, researchers and practitioners - all pioneers in using augmented reality based creative works and installations as a new form of art - this is the first book to explore the exciting new field of augmented reality art and its enabling technologies. As well as investigating augmented reality as a novel artistic medium the book covers cultural, social, spatial and cognitive facets of augmented reality art. Intended as a starting point for exploring this new fascinating area of research and creative practice it will be essential reading not only for artists, researchers and technology developers, but also for students (graduates and undergraduates) and all those interested in emerging augmented reality technology and its current and future applications in art.

This is the definitive guide for Symbian C++ developers looking to use Symbian SQL in applications or system software. Since Symbian SQL and SQLite are relatively new

additions to the Symbian platform, Inside Symbian SQL begins with an introduction to database theory and concepts, including a Structured Query Language (SQL) tutorial. Inside Symbian SQL also provides a detailed overview of the Symbian SQL APIs. From the outset, you will “get your hands dirty” writing Symbian SQL code. The book includes snippets and examples that application developers can immediately put to use to get started quickly. For device creators and system software developers, Inside Symbian SQL offers a unique view into the internals of the implementation and a wealth of practical advice on how to make best and most efficient use of the Symbian SQL database. Several case studies are presented – these are success stories 'from the trenches', written by Symbian engineers. Special Features: The book assumes no prior knowledge of databases Includes detailed and approachable explanations of database concepts Easy to follow SQL tutorial with SQLite examples Unique view into the Symbian SQL internals Troubleshooting section with solutions to common problems Written by the Symbian engineers who implemented SQLite on Symbian, with more than 40 years combined Symbian C++ experience, this book is for anyone interested in finding out more about using a database on Symbian.

This book views Samsung Electronics in terms of corporate life cycle as well as product portfolio and strategy. It also examines the issues Samsung faces as it proceeds further into the 21st century. Written from the perspective of an experienced commentator on Korean and global business, this book presents not simply a narrative or an adulatory and uncritical account of Samsung's rise, but a considered analysis of the secrets of success that both business students and CEOs will want to read and consider applying to their own companies.

This is a comprehensive look at the challenges legislators face in regulating related party transactions in a socially beneficial way.

An engaging and comprehensive look at the Korean smartphone industry and culture

This first-of-its-kind book, from expert authors actively contributing to the evolution of Bluetooth specifications, provides an overview and detailed descriptions of all the security functions and features of this standard's latest core release. After categorizing all the security issues involved in ad hoc networking, this hands-on volume shows you how to design a highly secure Bluetooth system and implement security enhancements. The book also helps you fully understand the main security risks involved with introducing Bluetooth-based communications in your organization

This first edition of Philosophical Foundations of International Criminal Law: Correlating Thinkers contains 20 chapters about renowned thinkers from Plato to Foucault. As the first volume in the series "Philosophical Foundations of International Criminal Law", the book identifies leading philosophers and thinkers in the history of philosophy or ideas whose writings bear on the foundations of the discipline of international criminal law, and then correlates their writings with international criminal law.

A comparative introduction to major global wireless standards, technologies and their applications From GSM to LTE-Advanced Pro and 5G: An Introduction to Mobile Networks and Mobile Broadband, 3rd Edition provides technical descriptions of the various wireless technologies currently in use. It explains the rationales behind their differing mechanisms and implementations while exploring the advantages and limitations of each technology. This edition has been fully updated and substantially expanded to reflect the significant evolution in mobile network technology occurring over the past several years. The chapter on LTE has been extensively enhanced with new coverage of current implementations of LTE carrier aggregation, mobility management, cell reselection and handover procedures, as well as the latest developments in 5G radio and core networks in 3GPP. It now features additional information on the TD-LTE air interface, IPv6 in mobile networks, Network Function Virtualization (NFV) and Narrowband Internet of Things (NB-IOT). Voice-over-LTE (VoLTE) is now treated extensively in a separate chapter featuring coverage of the VoLTE call establishment process, dedicated bearer setup, header compression, speech codec and bandwidth negotiation, supplementary service configuration and VoLTE emergency calls. In addition, extensive coverage of Voice-over-Wifi and mission critical communication for public safety organizations over LTE has been added. The WLAN chapter now provides coverage of WPA2-Professional with certificates for authentication in large deployments, such as the global Eduroam network and the new WLAN 60 GHz air interface. Bluetooth evolution has been addressed by including a detailed description of Bluetooth Low Energy (BLE) in the chapter devoted to Bluetooth. Describes the different systems based on the standards, their practical implementation and design assumptions, and the performance and capacity of each system in practice is analyzed and explained Questions at the end of each chapter and answers on the accompanying website make this book ideal for self-study or as course material.

This two-book series was written specifically for English language learners and covers all the basic grammar topics for beginners. Contains clear and concise explanations of the rules and illustrates them with numerous examples. The "Did You Know?" and "Grammar Help" notes add further to the understanding of basic grammar. These books will give English language learners a clear understanding of core grammar skills and help lay a strong foundation for good English. Each book includes 150-pages plus of grammar examples and instruction.

The chips in present-day cell phones already contain billions of sub-100-nanometer transistors. By 2020, however, we will see systems-on-chips with trillions of 10-nanometer transistors. But this will be the end of the miniaturization, because yet smaller transistors, containing just a few control atoms, are subject to statistical fluctuations and thus no longer useful. We also need to worry about a potential energy crisis, because in less than five years from now, with current chip technology, the internet alone would consume the total global electrical power! This book presents a new, sustainable roadmap towards ultra-low-energy (femto-Joule), high-performance electronics. The focus is on the energy-efficiency of the various chip functions: sensing, processing, and communication, in a top-down spirit involving new architectures such as silicon brains, ultra-low-voltage circuits,

energy harvesting, and 3D silicon technologies. Recognized world leaders from industry and from the research community share their views of this nanoelectronics future. They discuss, among other things, ubiquitous communication based on mobile companions, health and care supported by autonomous implants and by personal carebots, safe and efficient mobility assisted by co-pilots equipped with intelligent micro-electromechanical systems, and internet-based education for a billion people from kindergarden to retirement. This book should help and interest all those who will have to make decisions associated with future electronics: students, graduates, educators, and researchers, as well as managers, investors, and policy makers. Introduction: Towards Sustainable 2020 Nanoelectronics.- From Microelectronics to Nanoelectronics.- The Future of Eight Chip Technologies.- Analog-Digital Interfaces.- Interconnects and Transceivers.- Requirements and Markets for Nanoelectronics.- ITRS: The International Technology Roadmap for Semiconductors.- Nanolithography.- Power-Efficient Design Challenges.- Superprocessors and Supercomputers.- Towards Terabit Memories.- 3D Integration for Wireless Multimedia.- The Next-Generation Mobile User-Experience.- MEMS (Micro-Electro-Mechanical Systems) for Automotive and Consumer.- Vision Sensors and Cameras.- Digital Neural Networks for New Media.- Retinal Implants for Blind Patients.- Silicon Brains.- Energy Harvesting and Chip Autonomy.- The Energy Crisis.- The Extreme-Technology Industry.- Education and Research for the Age of Nanoelectronics.- 2020 World with Chips.

This book comprises select proceedings of the international conference ETAEERE 2020, and primarily focuses on renewable energy resources and smart grid technologies. The book provides valuable information on the technology and design of power grid integration on microgrids of green energy sources. Some of the topics covered include solar PV array, hybrid microgrid, daylight harvesting, green computing, photovoltaic applications, nanogrid applications, AC/DC/AC converter for wind energy systems, solar photovoltaic panels, PEM fuel cell system, and biogas run dual-fueled diesel engine. The contents of this book will be useful for researchers and practitioners working in the areas of smart grids and renewable energy generation, distribution, and management.

This is the origin story of technology super heroes: the creators and founders of ARM, the company that is responsible for the processors found inside 95% of the world's mobile devices today. This is also the evolution story of how three companies - Apple, Samsung, and Qualcomm - put ARM technology in the hands of billions of people through smartphones, tablets, music players, and more. It was anything but a straight line from idea to success for ARM. The story starts with the triumph of BBC Micro engineers Steve Furber and Sophie Wilson, who make the audacious decision to design their own microprocessor - and it works the first time. The question becomes, how to sell it? Part I follows ARM as its founders launch their own company, select a new leader, a new strategy, and find themselves partnered with Apple, TI, Nokia, and other companies just as digital technology starts to unleash mobile devices. ARM grows rapidly, even as other semiconductor firms struggle in the dot com meltdown, and establishes itself as a standard for embedded RISC processors. Apple aficionados will find the opening of Part II of interest the moment Steve Jobs returns and changes the direction toward fulfilling consumer dreams. Samsung devotees will see how that firm evolved from its earliest days in consumer electronics and semiconductors through a philosophical shift to innovation. Qualcomm followers will learn much of their history as it plays out from satellite communications to development of a mobile phone standard and emergence as a leading fabless semiconductor company. If ARM could be summarized in one word, it would be "collaboration." Throughout this story, from Foreword to Epilogue, efforts to develop an ecosystem are highlighted. Familiar names such as Google, Intel, Mediatek, Microsoft, Motorola, TSMC, and others are interwoven throughout. The evolution of ARM's first 25 years as a company wraps up with a shift to its next strategy: the Internet of Things, the ultimate connector for people and devices. Research for this story is extensive, simplifying a complex mobile industry timeline and uncovering critical points where ARM and other companies made fateful and sometimes surprising decisions. Rare photos, summary diagrams and tables, and unique perspectives from insiders add insight to this important telling of technology history.

The ultimate resource for marketing professionals Today's marketers are challenged to create vibrant, interactive communities of consumers who make products and brands a part of their daily lives in a dynamic world. Marketing, in its 9th Australian edition, continues to be the authoritative principles of marketing resource, delivering holistic, relevant, cutting edge content in new and exciting ways. Kotler delivers the theory that will form the cornerstone of your marketing studies, and shows you how to apply the concepts and practices of modern marketing science. Comprehensive and complete, written by industry-respected authors, this will serve as a perennial reference throughout your career. The First International ICST Conference on Communications Infrastructure, Systems and Applications in Europe (EuropeComm 2009) was held August 11-13, 2009, in London. EuropeComm 2009 brought together decision makers from the EU commission, top researchers and industry executives to discuss the directions of communications research and development in Europe. The event also attracted academia and industry representatives, as well as government officials to discuss the current developments and future trends in technology, applications and services in the communications field. Organizing this conference was motivated by the fact that the development and deployment of future services will require a common global-scale infrastructure, and therefore it is important that designers and stakeholders from all the systems stacks come together to discuss these developments. Rapidly decreasing costs of computational power, storage capacity, and communication bandwidth have led to the development of a multitude of applications carrying an increasingly huge amount of traffic on the global networking infrastructure. What we have seen is an evolution: an infrastructure looking for networked applications has evolved into an infrastructure struggling to meet the social, technological and business challenges posed by the plethora of bandwidth-hungry emerging applications. Visual communication through graphical and sign languages has long been conducted among human beings of different backgrounds and cultures, and in recent decades between human and machine. In today's digital world, visual information is typically encoded with various metaphors commonly used in daily life to facilitate rapid comprehension and easy analysis during the

communication process. Visual information communication generally encompasses information visualization, graphical user-interfaces, visual analytics, visual languages and multi-media processing. It has been successfully employed in knowledge discovery, end-user programming, modeling, rapid systems prototyping, education, and design activities by people of many disciplines including architects, artists, children, engineers, and scientists. In addition, visual information is increasingly being used to facilitate human-human communication through the Internet and Web technology, and electronic mobile devices. This manuscript provides the cutting-edge techniques, approaches and the latest ongoing researches in the context of visual information communication. It is a collection of 24 chapters selected from more than 60 submissions to the VINCI'09 - 2009 Visual Information Communications International Conference, that is held in Sydney Australia, September 2009. These chapters were selected through a stringent review process to ensure their high standard in quality, significance and relevance. Each chapter was reviewed by at least two international Program Committee members of VINCI'09. The book covers a broad range of contents in five key sub-areas of visual information communication, including.

This book constitutes extended, revised and selected papers from the 20th International Conference on Enterprise Information Systems, ICEIS 2018, held in Funchal, Madeira, Portugal, in March 2018. The 19 papers presented in this volume were carefully reviewed and selected for inclusion in this book from a total of 242 submissions. They deal with topics such as data science and databases; ontologies; social networks; knowledge management; software development; human-computer interaction, and multimedia.

The Valuation Handbook – U.S. Guide to Cost of Capital, 2011 Essentials Edition includes two sets of valuation data: Data previously published in the 2011 Duff & Phelps Risk Premium Report Data previously published in the Morningstar/Ibbotson 2011 Stocks, Bonds, Bills, and Inflation (SBBI) Valuation Yearbook The Valuation Handbook – 2011 U.S. Essentials Edition includes data through December 31, 2010, and is intended to be used for 2011 valuation dates. The Valuation Handbook – U.S. Guide to Cost of Capital, Essentials Editions are designed to function as historical archives of the two sets of valuation data previously published annually in: The Morningstar/Ibbotson Stocks, Bonds, Bills, and Inflation (SBBI) Valuation Yearbook from 1999 through 2013 The Duff & Phelps Risk Premium Report from 1999 through 2013 The Duff & Phelps Valuation Handbook – U.S. Guide to Cost of Capital from 2014 The Valuation Handbook – U.S. Essentials Editions are ideal for valuation analysts needing "historical" valuation data for use in: The preparation of carve-out historical financial statements, in cases where historical goodwill impairment testing is necessary Valuing legal entities as of vintage date for tax litigation related to a prior corporate restructuring Tax litigation related to historical transfer pricing policies, etc. The Valuation Handbook – U.S. Essentials Editions are also designed to serve the needs of: Corporate finance officers for pricing or evaluating mergers and acquisitions, raising private or public equity, property taxation, and stakeholder disputes Corporate officers for the evaluation of investments for capital budgeting decisions Investment bankers for pricing public offerings, mergers and acquisitions, and private equity financing CPAs who deal with either valuation for financial reporting or client valuations issues Judges and attorneys who deal with valuation issues in mergers and acquisitions, shareholder and partner disputes, damage cases, solvency cases, bankruptcy reorganizations, property taxes, rate setting, transfer pricing, and financial reporting For more information about Duff & Phelps valuation data resources published by Wiley, please visit www.wiley.com/go/valuationhandbooks.

This book will help readers comprehend technical and policy elements of telecommunication particularly in the context of 5G. It first presents an overview of the current research and standardization practices and lays down the global frequency spectrum allocation process. It further lists solutions to accommodate 5G spectrum requirements. The readers will find a considerable amount of information on 4G (LTE-Advanced), LTE-Advance Pro, 5G NR (New Radio); transport network technologies, 5G NGC (Next Generation Core), OSS (Operations Support Systems), network deployment and end-to-end 5G network architecture. Some details on multiple network elements (end products) such as 5G base station/small cells and the role of semiconductors in telecommunication are also provided. Keeping trends in mind, service delivery mechanisms along with state-of-the-art services such as MFS (mobile financial services), mHealth (mobile health) and IoT (Internet-of-Things) are covered at length. At the end, telecom sector's burning challenges and best practices are explained which may be looked into for today's and tomorrow's networks. The book concludes with certain high level suggestions for the growth of telecommunication, particularly on the importance of basic research, departure from ten-year evolution cycle and having a 20–30 year plan. Explains the conceivable six phases of mobile telecommunication's ecosystem that includes R&D, standardization, product/network/device & application development, and burning challenges and best practices Provides an overview of research and standardization on 5G Discusses solutions to address 5G spectrum requirements while describing the global frequency spectrum allocation process Presents various case studies and policies Provides details on multiple network elements and the role of semiconductors in telecommunication Presents service delivery mechanisms with special focus on IoT

The concept of 'the commons' has been used as a framework to understand resources shared by a community rather than a private entity, and it has also inspired social movements working against the enclosure of public goods and resources. One such resource is free (libre) and open source software (FLOSS). FLOSS emerged as an alternative to proprietary software in the 1980s. However, both the products and production processes of FLOSS have become incorporated into capitalist production. For example, Red Hat, Inc. is a large publicly traded company whose business model relies entirely on free software, and IBM, Intel, Cisco, Samsung, Google are some of the largest contributors to Linux, the open-source operating system. This book explores the ways in which FLOSS has been incorporated into digital capitalism. Just as the commons have been used as a motivational frame for radical social movements, it has also served the interests of free-marketeers, corporate libertarians, and states to expand their reach by dragging the shared resources of social life onto digital platforms so they can be integrated into the global capitalist system. The book concludes by asserting the need for a critical political economic understanding of the commons that foregrounds (digital) labour, class struggle, and uneven power distribution within the digital commons as well as between FLOSS communities and their corporate sponsors.

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