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Innovation in Information Systems and Technologies to Support Learning Research

The Facebook Effect

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“It is about time that a book like *The New School* came along. The age of security as pure technology is long past, and modern practitioners need to understand the social and cognitive aspects of security if they are to be successful. Shostack and Stewart teach readers exactly what they need to know--I just wish I could have had it when I first started out.” --David Mortman, CSO-in-Residence Echelon One, former CSO Siebel Systems

Why is information security so dysfunctional? Are you wasting the money you spend on security? This book shows how to spend it more effectively. How can you make more effective security decisions? This book explains why professionals have taken to studying economics, not cryptography--and why you should, too. And why security breach notices are the best thing to ever happen to information security. It's about time someone asked the biggest, toughest questions about information security. Security experts Adam Shostack and Andrew Stewart don't just answer those questions--they offer honest, deeply troubling answers. They explain why these critical problems exist and how to solve them. Drawing on powerful lessons from economics and other disciplines, Shostack and Stewart offer a new way forward. In clear and engaging prose, they shed new light on the critical challenges that are faced by the security field. Whether you're a CIO, IT manager, or security specialist, this book will open your eyes to new ways of thinking about--and overcoming--your most pressing security challenges. *The New School* enables you to take control, while others struggle with non-stop crises. Better evidence for better decision-making

Why the security data

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you have doesn't support effective decision-making--and what to do about it
Beyond security "silos": getting the job done together Why it's so hard to improve
security in isolation--and how the entire industry can make it happen and evolve
Amateurs study cryptography; professionals study economics What IT security
leaders can and must learn from other scientific fields A bigger bang for every buck
How to re-allocate your scarce resources where they'll do the most good

The Essential Guide to Telecommunications

Wanted: Dating coach to help hot nerd win back the woman of his dreams Picture
this - I'm ready to win back the love of my life, and I'm going big this time. We're
talking boom box, sing her name in the rain, let the whole damn neighborhood
know I'm good and ready this time around. After all, if you're going to grand
gesture the ever-loving hell out of a second chance, you need to pull out all the
stops. There's only one little problem. My college girlfriend isn't the one who shows
up when I play my "I'll do anything to win you back" tune. The woman who flings
open the second-floor window tells me my ex doesn't live here anymore. But she'll
help me win her back. Anything for romance, anything for a guy so willing to go big
for love. And that's what I want at first. Until I get to know my new "romance
coach" and discover she's funny, clever, and keeps me on my toes. And boy, do I
ever need that. Now I don't want to win anyone else's heart. I want the woman
who's been helping me all along. Trouble is - she thinks I'm in love with someone

else, and when we take off on a road trip, everything I think I know about women is about to be unzipped and turned inside out. *Unzipped is a standalone spinoff in the Lucky in Love series of standalones*

3G, 4G and Beyond

Frequency spectrum is a limited and valuable resource for wireless communications. A good example can be observed among network operators in Europe for the prices to pay for UMTS-frequency bands. Therefore, the first goal when designing future wireless communication systems (e.g. 4G - fourth generation) has to be the increase in spectral efficiency. The development in digital communications in the past years has enabled efficient modulation and coding techniques for robust and spectral efficient data, speech, audio and video transmission. These are the multi-carrier modulation (e.g. OFDM) and the spread spectrum technique (e.g. DS-CDMA), where OFDM was chosen for broadcast applications (DVB, DAB) as well as for broadband wireless indoor standards (ETSI HIPERLAN-II, IEEE-802.11) and the DS-CDMA was selected in mobile communications (IS-95, third generation mobile radio systems world wide, UMTS/IMT 2000). Since 1993 various combinations of multi-carrier (MC) modulation and the spread spectrum (SS) technique have been introduced and the field of MC-SS communications has become an independent and important research topic with increasing activities. New application fields have been proposed such as high rate

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cellular mobile, high rate wireless indoor and LMDS. It has been shown that MC-SS offers the high spectral efficiency, robustness and flexibility that is required for the next generation systems. Meanwhile, different alternative hybrid schemes such as OFDM/OFDMA, MC-TDMA, etc. have been deeply analysed and adopted in different international standards (ETSI-BRAN, IEEE-802 & MMAC). Multi-Carrier & Spread-Spectrum: Analysis of Hybrid Air Interfaces draws together all of the above mentioned hybrid schemes therefore providing a greatly needed resource for system engineers, telecommunication designers and researchers in order to enable them to develop, build and deploy several schemes based on MC-transmission for the next generation systems (which will be an integration of broadband multimedia services covering both 4G mobile and fixed wireless systems). * Offers a complete treatment of multi-carrier, spread-spectrum (SS) and time division multiplexing (TDM) techniques * Provides an in-depth insight into hybrid multiple access techniques based on multi-carrier (MC) transmission * Presents numerous hybrid multiple access and air interface architectures including OFDM/CDMA, MC-CDMA, MC-DS-CDMA and MT-CDMA * Covers new techniques such as space-time coding and software radio Telecommunications engineers, hardware & software system designers and researchers as well as students, lecturers and technicians will all find this an invaluable addition to their bookshelf.

IPhone: The Missing Manual

From the concert stage to the dressing room, from the recording studio to the digital realm, SPIN surveys the modern musical landscape and the culture around it with authoritative reporting, provocative interviews, and a discerning critical ear. With dynamic photography, bold graphic design, and informed irreverence, the pages of SPIN pulsate with the energy of today's most innovative sounds. Whether covering what's new or what's next, SPIN is your monthly VIP pass to all that rocks.

Mobile Terminal Receiver Design

Combines in one volume the basics of evolving radio access technologies and their implementation in mobile phones Reviews the evolution of radio access technologies (RAT) used in mobile phones and then focuses on the technologies needed to implement the LTE (Long term evolution) capability Coverage includes the architectural aspects of the RF and digital baseband parts before dealing in more detail with some of the hardware implementation Unique coverage of design parameters and operation details for LTE-A phone transceiver Discusses design of multi-RAT Mobile with the consideration of cost and form factors Provides in one book a review of the evolution of radio access technologies and a good overview of LTE and its implementation in a handset Unveils the concepts and research updates of 5G technologies and the internal hardware and software of a 5G phone

Antenna Design for Mobile Devices

This book constitutes the proceedings of the 7th International Conference on Mobile Computing, Applications, and Services (MobiCASE 2015) held in Berlin, Germany, in November 2015. The 16 full and 4 poster papers were carefully reviewed and selected from 43 submissions, and are presented together with 4 papers from the First Workshop on Situation Recognition by Mining Temporal Information (SIREMETI 2015). The conference papers cover the following topics: intelligent caching, activity recognition and crowdsourcing, mobile frameworks, middleware, interactive applications and mobility.

The Economist

This book constitutes the proceedings of the Second International Conference on Information and Communication Technology for Development for Africa, ICT4DA 2019, held in Bahir Dar, Ethiopia, in May 2019. The 29 revised full papers presented were carefully reviewed and selected from 69 submissions. The papers address the impact of ICT in fostering economic development in Africa. In detail they cover the following topics: artificial intelligence and data science; wireless and mobile computing; and Natural Language Processing.

Digital Services in the 21st Century

The first comprehensive guide to discovering and preventing attacks on the Android OS As the Android operating system continues to increase its share of the smartphone market, smartphone hacking remains a growing threat. Written by experts who rank among the world's foremost Android security researchers, this book presents vulnerability discovery, analysis, and exploitation tools for the good guys. Following a detailed explanation of how the Android OS works and its overall security architecture, the authors examine how vulnerabilities can be discovered and exploits developed for various system components, preparing you to defend against them. If you are a mobile device administrator, security researcher, Android app developer, or consultant responsible for evaluating Android security, you will find this guide is essential to your toolbox. A crack team of leading Android security researchers explain Android security risks, security design and architecture, rooting, fuzz testing, and vulnerability analysis Covers Android application building blocks and security as well as debugging and auditing Android apps Prepares mobile device administrators, security researchers, Android app developers, and security consultants to defend Android systems against attack Android Hacker's Handbook is the first comprehensive resource for IT professionals charged with smartphone security.

E-shock 2020

Telecommunication Services provides a holistic approach to understand telecommunications systems by addressing the emergence and domination of new digital services, consumer and economic dynamics, and the creation of content by service providers. Includes services, underlying technologies, and internal capabilities for social network advertising Covers market dynamics that determine the successes and failures of service offerings Discusses the impact of smartphones (iPhone launch) on the telecommunications and mobile device industry

Transforming Global Information and Communication Markets

What could be better than standing on top of a mountain, snow sparkling, the slopes calling? Not much, except perhaps skiing down to a warm, home-cooked meal that comes together effortlessly. The Ski House Cookbook makes it all possible with 125 recipes that will keep you on the slopes or winding down with friends afterward, not stuck at the stove. Here are easy and delicious meals designed with minimum prep times for often limited home-away-from-home kitchens, from quick-cooking roasts, sautés, and other fast meals to slow-cooker dishes and recipes that can be made in advance and frozen. And, to get you in the

right frame of mind, each recipe is coded with a difficulty rating that corresponds to the familiar green dots, blue squares, and black diamonds of the slopes. Start the day with 'Twas the Night Before French Toast (assembled in advance and baked in the morning) to keep you going until lunchtime, when a Colorado Cubano (made in a flash from readily available deli meats) will refuel you for the afternoon. An entire chapter of après-ski snacks, including Green Mountain Fondue and Spicy Roasted Chickpeas, helps tide you over until dinner, which includes tempting options such as Roasted Pork Loin with Cherry Balsamic Pan Sauce, Mogul Beef Chili, and Roasted Brussels Sprouts with Bacon. Hearty soups and pastas and indulgent desserts round out this collection of recipes that will warm you up from the inside out. In addition to the irresistible recipes, The Ski House Cookbook offers practical information on cooking at high altitudes, a section on getting the most out of your slow cooker, and 50 beautiful full-color photographs of the great dishes and snowy landscapes that skiers love. So whether you're hitting the slopes or just dreaming of days in the lodge, a double diamond pro or struggling down the bunny hill for the first time, here is your go-to guide to making easy, satisfying, and comforting winter meals.

Information and Communication Technology for Development for Africa

The Definitive Guide to Google AdWords

A Practical Guide to Computer Forensics Investigations introduces the newest technologies along with detailed information on how the evidence contained on these devices should be analyzed. Packed with practical, hands-on activities, students will learn unique subjects from chapters including Mac Forensics, Mobile Forensics, Cyberbullying, and Child Endangerment. This well-developed book will prepare students for the rapidly-growing field of computer forensics for a career with law enforcement, accounting firms, banks and credit card companies, private investigation companies, or government agencies.

Internet of Things A to Z

From the concert stage to the dressing room, from the recording studio to the digital realm, SPIN surveys the modern musical landscape and the culture around it with authoritative reporting, provocative interviews, and a discerning critical ear. With dynamic photography, bold graphic design, and informed irreverence, the pages of SPIN pulsate with the energy of today's most innovative sounds. Whether covering what's new or what's next, SPIN is your monthly VIP pass to all that rocks.

Wireless Networking Complete

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Innovation in information and communication technology (ICT) fuels the growth of the global economy. How ICT markets evolve depends on politics and policy, and since the 1950s periodic overhauls of ICT policy have transformed competition and innovation. For example, in the 1980s and the 1990s a revolution in communication policy (the introduction of sweeping competition) also transformed the information market. Today, the diffusion of Internet, wireless, and broadband technology, growing modularity in the design of technologies, distributed computing infrastructures, and rapidly changing business models signal another shift. This pathbreaking examination of ICT from a political economy perspective argues that continued rapid innovation and economic growth require new approaches in global governance that will reconcile diverse interests and enable competition to flourish. The authors (two of whom were architects of international ICT policy reforms in the 1990s) discuss this crucial turning point in both theoretical and practical terms.

Mobile Computing, Applications, and Services

The book is an easy-to-follow guide with clear instructions on various mobile forensic techniques. The chapters and the topics within are structured for a smooth learning curve, which will swiftly empower you to master mobile forensics. If you are a budding forensic analyst, consultant, engineer, or a forensic professional wanting to expand your skillset, this is the book for you. The book will also be

beneficial to those with an interest in mobile forensics or wanting to find data lost on mobile devices. It will be helpful to be familiar with forensics in general but no prior experience is required to follow this book.

HTML5 Geolocation

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

Android on X86

This book addresses the emerging technology for Orthogonal Frequency Division Multiple Access (OFDMA), covering OFDMA physical layer as well as network technology. The book also includes information on IEEE 802.16e and WiMAX networks and also offers a comparison with other OFDMA technologies. OFDMA is the fastest growing area in the wireless marketplace, and the backbone of systems

used in WiMAX. WiMAX is the technology that enables wireless users to communicate at any time from any location without having to find a WiFi hotspot.

Galaxy S II: The Missing Manual

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

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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 Ski House Cookbook

PC Magazine

Sams Teach Yourself HTML5 Mobile Application Development in

24 Hours

Health Informatics (HI) focuses on the application of information technology (IT) to the field of medicine to improve individual and population healthcare delivery, education and research. This extensively updated fifth edition reflects the current knowledge in Health Informatics and provides learning objectives, key points, case studies and references. Topics include: HI Overview; Healthcare Data, Information, and Knowledge; Electronic Health Records, Practice Management Systems; Health Information Exchange; Data Standards; Architectures of Information Systems; Health Information Privacy and Security; HI Ethics; Consumer HI; Mobile Technology; Online Medical Resources; Search Engines; Evidence-Based Medicine and Clinical Practice Guidelines; Disease Management and Registries; Quality Improvement Strategies; Patient Safety; Electronic Prescribing; Telemedicine; Picture Archiving and Communication Systems; Bioinformatics; Public HI; E-Research. Available as a printed copy and E-book.

Hacking Exposed Mobile

A comprehensive overview of the Internet of Things' core concepts, technologies, and applications Internet of Things A to Z offers a holistic approach to the Internet of Things (IoT) model. The Internet of Things refers to uniquely identifiable objects

and their virtual representations in an Internet-like structure. Recently, there has been a rapid growth in research on IoT communications and networks, that confirms the scalability and broad reach of the core concepts. With contributions from a panel of international experts, the text offers insight into the ideas, technologies, and applications of this subject. The authors discuss recent developments in the field and the most current and emerging trends in IoT. In addition, the text is filled with examples of innovative applications and real-world case studies. Internet of Things A to Z fills the need for an up-to-date volume on the topic. This important book: Covers in great detail the core concepts, enabling technologies, and implications of the Internet of Things Addresses the business, social, and legal aspects of the Internet of Things Explores the critical topic of security and privacy challenges for both individuals and organizations Includes a discussion of advanced topics such as the need for standards and interoperability Contains contributions from an international group of experts in academia, industry, and research Written for ICT researchers, industry professionals, and lifetime IT learners as well as academics and students, Internet of Things A to Z provides a much-needed and comprehensive resource to this burgeoning field.

Multi-Carrier and Spread Spectrum Systems

Extensively updated evaluation of current and future network technologies, applications and devices This book follows on from its successful predecessor with

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an introduction to next generation network technologies, mobile devices, voice and multimedia services and the mobile web 2.0. Giving a sound technical introduction to 3GPP wireless systems, this book explains the decisions taken during standardization of the most popular wireless network standards today, LTE, LTE-Advanced and HSPA+. It discusses how these elements strongly influence each other and how network capabilities, available bandwidth, mobile device capabilities and new application concepts will shape the way we communicate in the future. This Second Edition presents a comprehensive and broad-reaching examination of a fast-moving technology which will be a welcome update for researchers and professionals alike. Key features: Fully updated and expanded to include new sections including VoLTE, the evolution to 4G, mobile Internet access, LTE-Advanced, Wi-Fi security and backhaul for wireless networks Describes the successful commercialization of Web 2.0 services such as Facebook, and the emergence of app stores, tablets and smartphones Examines the evolution of mobile devices and operating systems, including ARM and x86 architecture and their application to voice-optimized and multimedia devices

Mobile Broadband

iOS 11 for the iPhone includes a host of exciting new features, including a revamped Control Center and all-new powers for some of your favorite apps—Siri, AirPlay 2, Maps, Photos, and Maps. You can even send payment via iMessages and

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type with one hand! And the best way to learn all of these features is with iPhone: The Missing Manual—a funny, gorgeously illustrated guide to the tips, shortcuts, and workarounds that will turn you, too, into an iPhone master. This easy-to-use book will help you accomplish everything from web browsing to watching videos so you can get the most out of your iPhone. Written by Missing Manual series creator and former New York Times columnist David Pogue, this updated guide shows you everything you need to know about the new features and user interface of iOS 11 for the iPhone.

Unzipped

Proven security tactics for today's mobile apps, devices, and networks "A great overview of the new threats created by mobile devices. The authors have heaps of experience in the topics and bring that to every chapter." -- Slashdot Hacking Exposed Mobile continues in the great tradition of the Hacking Exposed series, arming business leaders and technology practitioners with an in-depth understanding of the latest attacks and countermeasures--so they can leverage the power of mobile platforms while ensuring that security risks are contained." -- Jamil Farshchi, Senior Business Leader of Strategic Planning and Initiatives, VISA Identify and evade key threats across the expanding mobile risk landscape. Hacking Exposed Mobile: Security Secrets & Solutions covers the wide range of attacks to your mobile deployment alongside ready-to-use countermeasures. Find

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out how attackers compromise networks and devices, attack mobile services, and subvert mobile apps. Learn how to encrypt mobile data, fortify mobile platforms, and eradicate malware. This cutting-edge guide reveals secure mobile development guidelines, how to leverage mobile OS features and MDM to isolate apps and data, and the techniques the pros use to secure mobile payment systems. Tour the mobile risk ecosystem with expert guides to both attack and defense Learn how cellular network attacks compromise devices over-the-air See the latest Android and iOS attacks in action, and learn how to stop them Delve into mobile malware at the code level to understand how to write resilient apps Defend against server-side mobile attacks, including SQL and XML injection Discover mobile web attacks, including abuse of custom URI schemes and JavaScript bridges Develop stronger mobile authentication routines using OAuth and SAML Get comprehensive mobile app development security guidance covering everything from threat modeling to iOS- and Android-specific tips Get started quickly using our mobile pen testing and consumer security checklists

Bloomberg Businessweek

This book is an in-depth, systematic and structured technical reference on 3GPP's LTE-Advanced (Releases 10 and 11), covering theory, technology and implementation, written by an author who has been involved in the inception and development of these technologies for over 20 years. The book not only describes

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the operation of individual components, but also shows how they fit into the overall system and operate from a systems perspective. Uniquely, this book gives in-depth information on upper protocol layers, implementation and deployment issues, and services, making it suitable for engineers who are implementing the technology into future products and services. Reflecting the author's 25 plus years of experience in signal processing and communication system design, this book is ideal for professional engineers, researchers, and graduate students working in cellular communication systems, radio air-interface technologies, cellular communications protocols, advanced radio access technologies for beyond 4G systems, and broadband cellular standards. An end-to-end description of LTE/LTE-Advanced technologies using a top-down systems approach, providing an in-depth understanding of how the overall system works Detailed algorithmic descriptions of the individual components' operation and inter-connection Strong emphasis on implementation and deployment scenarios, making this a very practical book An in-depth coverage of theoretical and practical aspects of LTE Releases 10 and 11 Clear and concise descriptions of the underlying principles and theoretical concepts to provide a better understanding of the operation of the system's components Covers all essential system functionalities, features, and their inter-connections based on a clear protocol structure, including detailed signal flow graphs and block diagrams Includes methodologies and results related to link-level and system-level evaluations of LTE-Advanced Provides understanding and insight into the advanced underlying technologies in LTE-Advanced up to and including

Release 11: multi-antenna signal processing, OFDM, carrier aggregation, coordinated multi-point transmission and reception, eICIC, multi-radio coexistence, E-MBMS, positioning methods, real-time and non-real-time wireless multimedia applications

Practical Mobile Forensics

NATIONAL BESTSELLER “The Social Network, the much anticipated movie...adapted from Ben Mezrich’s book The Accidental Billionaires.” —The New York Times Best friends Eduardo Saverin and Mark Zuckerberg had spent many lonely nights looking for a way to stand out among Harvard University’s elite, competitive, and accomplished student body. Then, in 2003, Zuckerberg hacked into Harvard’s computers, crashed the campus network, almost got himself expelled, and was inspired to create Facebook, the social networking site that has since revolutionized communication around the world. With Saverin’s funding their tiny start-up went from dorm room to Silicon Valley. But conflicting ideas about Facebook’s future transformed the friends into enemies. Soon, the undergraduate exuberance that marked their collaboration turned into out-and-out warfare as it fell prey to the adult world of venture capitalists, big money, and lawyers. From the Trade Paperback edition.

The New School of Information Security

Presents an easy-to-understand guide to the Samsung Galaxy S II, and includes guides on how to take photographs, synchronize contacts, browse the Internet, and organize a music library.

LTE-Advanced

This book provides glimpses into contemporary research in information systems & technology, learning, artificial intelligence (AI), machine learning, and security and how it applies to the real world, but the ideas presented also span the domains of telehealth, computer vision, the role and use of mobile devices, brain-computer interfaces, virtual reality, language and image processing and big data analytics and applications. Great research arises from asking pertinent research questions. This book reveals some of the authors' "beautiful questions" and how they develop the subsequent "what if" and "how" questions, offering readers food for thought and whetting their appetite for further research by the same authors.

SPIN

Android on x86: an Introduction to Optimizing for Intel® Architecture serves two

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main purposes. First, it makes the case for adapting your applications onto Intel's x86 architecture, including discussions of the business potential, the changing landscape of the Android marketplace, and the unique challenges and opportunities that arise from x86 devices. The fundamental idea is that extending your applications to support x86 or creating new ones is not difficult, but it is imperative to know all of the technicalities. This book is dedicated to providing you with an awareness of these nuances and an understanding of how to tackle them. Second, and most importantly, this book provides a one-stop detailed resource for best practices and procedures associated with the installation issues, hardware optimization issues, software requirements, programming tasks, and performance optimizations that emerge when developers consider the x86 Android devices. Optimization discussions dive into native code, hardware acceleration, and advanced profiling of multimedia applications. The authors have collected this information so that you can use the book as a guide for the specific requirements of each application project. This book is not dedicated solely to code; instead it is filled with the information you need in order to take advantage of x86 architecture. It will guide you through installing the Android SDK for Intel Architecture, help you understand the differences and similarities between processor architectures available in Android devices, teach you to create and port applications, debug existing x86 applications, offer solutions for NDK and C++ optimizations, and introduce the Intel Hardware Accelerated Execution Manager. This book provides the most useful information to help you get the job done quickly while utilizing best

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practices. What you'll learn

- The development-relevant differences between Android on ARM and Android on Intel x86
- How to set up the SDK for an emulated Intel Android device
- How to build the Android OS for the Intel Mobile Processor
- How to create new x86 based Android applications, set up testing and performance tuning, and port existing Android applications to work with the x86 processor
- How to debug problems they encounter when working on the x86 Android test platform
- Intricacies of the Intel Hardware Accelerated Execution Manager. The reader will also gain significant insight into the OpenGL Android support.

Who this book is for

- Android developers
- Hardware designers who need to understand how Android will work on their processors
- CIOs and CEOs of technology-based companies
- IT staff who may encounter or need to understand the issues
- New startup founders and entrepreneurs
- Computer science students

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Android Hacker's Handbook

An insider's history of the online social network traces the collaborations and conflicts among its founders, the personalities that shaped its development, and the ways in which the site has become an integral part of contemporary culture.

Health Informatics: Practical Guide for Healthcare and Information Technology Professionals (Fifth Edition)

Wireless Networking Complete is a compilation of critical content from key Morgan Kaufmann titles published in recent years on wireless networking and communications. Individual chapters are organized into one complete reference giving a 360-degree view from our bestselling authors. From wireless application protocols, to Mesh Networks and Ad Hoc Sensor Networks, to security and survivability of wireless systems – all of the elements of wireless networking are united in a single volume. The book covers both methods of analysis and problem-solving techniques, enhancing the reader's grasp of the material and ability to implement practical solutions. This book is essential for anyone interested in new and developing aspects of wireless network technology. Chapters contributed by recognized experts in the field cover theory and practice of wireless network technology, allowing the reader to develop a new level of knowledge and technical

expertise Up-to-date coverage of wireless networking issues facilitates learning and lets the reader remain current and fully informed from multiple viewpoints Presents methods of analysis and problem-solving techniques, enhancing the reader's grasp of the material and ability to implement practical solutions

An Introduction to LTE

There is one simple way to exponentially increase the amount of traffic coming to your website and the number of people aware of your product or service: through the use of Google AdWords and related marketing technologies. The Definitive Guide to Google AdWords will walk you through every step needed to maximize your marketing and advertising power. Everything related to the platforms are covered in detail—account setup, campaign creation, reporting, optimization, analytics, ad creation, mobile advertising, and much more. Learn to take full advantage of all of the marketing options available through AdWords, including: Geo-targeting, distribution, and placement of ads Advanced account management and budget strategies Keywords, metrics, and ROI management Tools such as Keywords Editor, Website Optimizer, and Conversion Optimizer Mobile marketing implementations and strategies Working with the various APIs available for developers With The Definitive Guide to Google AdWords, you will learn how AdWords works and how you can harness its power to increase your visibility and dramatically impact your potential for increased revenue.

The Accidental Billionaires

Following on from the successful first edition (March 2012), this book gives a clear explanation of what LTE does and how it works. The content is expressed at a systems level, offering readers the opportunity to grasp the key factors that make LTE the hot topic amongst vendors and operators across the globe. The book assumes no more than a basic knowledge of mobile telecommunication systems, and the reader is not expected to have any previous knowledge of the complex mathematical operations that underpin LTE. This second edition introduces new material for the current state of the industry, such as the new features of LTE in Releases 11 and 12, notably coordinated multipoint transmission and proximity services; the main short- and long-term solutions for LTE voice calls, namely circuit switched fallback and the IP multimedia subsystem; and the evolution and current state of the LTE market. It also extends some of the material from the first edition, such as inter-operation with other technologies such as GSM, UMTS, wireless local area networks and cdma2000; additional features of LTE Advanced, notably heterogeneous networks and traffic offloading; data transport in the evolved packet core; coverage and capacity estimation for LTE; and a more rigorous treatment of modulation, demodulation and OFDMA. The author breaks down the system into logical blocks, by initially introducing the architecture of LTE, explaining the techniques used for radio transmission and reception and the overall operation of the system, and concluding with more specialized topics such

as LTE voice calls and the later releases of the specifications. This methodical approach enables readers to move on to tackle the specifications and the more advanced texts with confidence.

A Practical Guide to Computer Forensics Investigations

A masterpiece ahead of its time, a prescient rendering of a dark future, and the inspiration for the blockbuster film *Blade Runner* By 2021, the World War has killed millions, driving entire species into extinction and sending mankind off-planet. Those who remain covet any living creature, and for people who can't afford one, companies built incredibly realistic simulacra: horses, birds, cats, sheep. They've even built humans. Immigrants to Mars receive androids so sophisticated they are indistinguishable from true men or women. Fearful of the havoc these artificial humans can wreak, the government bans them from Earth. Driven into hiding, unauthorized androids live among human beings, undetected. Rick Deckard, an officially sanctioned bounty hunter, is commissioned to find rogue androids and "retire" them. But when cornered, androids fight back—with lethal force. Praise for Philip K. Dick "The most consistently brilliant science fiction writer in the world."—John Brunner "A kind of pulp-fiction Kafka, a prophet."—The New York Times "[Philip K. Dick] sees all the sparkling—and terrifying—possibilities . . . that other authors shy away from."—Rolling Stone

Mobile Unleashed

Do Androids Dream of Electric Sheep?

Truly revolutionary: now you can write geolocation applications directly in the browser, rather than develop native apps for particular devices. This concise book demonstrates the W3C Geolocation API in action, with code and examples to help you build HTML5 apps using the "write once, deploy everywhere" model. Along the way, you get a crash course in geolocation, browser support, and ways to integrate the API with common geo tools like Google Maps. Ideal for experienced JavaScript developers. Learn how geo information is gathered from different sources, depending on the device Discover how coordinate systems work, including geodetic systems and datums Use the API to collect location information from a user's browser with JavaScript code Place geo information on a map using the Google Maps or ArcGIS JavaScript APIs Save geo data with databases, the Keyhole Markup Language, or the shapefile format Be familiar with several practical uses for geo data, such as geomarketing, geosocial, geotagging, and geo-applications

WiMAX Monthly Newsletter March 2010

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The easy, step-by-step tutorial for developers who want to write rich mobile apps for smartphones and tablets using the new HTML5 standard * *A complete hands-on introduction to mobile HTML5 programming: helps developers master one of tomorrow's most valuable, 'in-demand' new skills. *Teaches practical skills that will be valuable for development on most contemporary mobile platforms, including iPad/iPhone (iOS), Android, and Windows Phone 7. *Especially focused on HTML5 features already supported in today's web browsers. Using HTML5, developers can build rich, robust mobile apps that run on smartphones, tablets, and other devices, and interact with users in powerful new ways. In just 24 lessons of one hour or less, this easy, practical book will help them master modern mobile development with HTML5. Building on what they already know about HTML4, CSS, and JavaScript, it covers all the basics of building web pages with HTML5, shows how to extend those pages with innovative new features, and then walks through building complete apps targeted at diverse mobile devices. Coverage includes: * *Understanding how HTML5 improves mobile development. *Detecting mobile devices and HTML5 support, and upgrading sites to support them. *Styling and building mobile pages with HTML5. *Using the canvas, typography, audio/video, and forms *Adding microformats, drag-and-drop, and other advanced features. *Designing efficient mobile apps. *Using advanced Web Application APIs and web storage. *Integrating geolocation into mobile apps Step-by-step instructions walk readers through key tasks Q and As, Quizzes, and Exercises test their knowledge 'Did You Know?' tips offer insider advice 'Watch Out!' alerts help them avoid problems. By the time

they're finished, readers won't just understand core HTML5 concepts: they'll be comfortable designing and writing their own new mobile apps

SPIN

From the author of the ground-breaking and landmark books e-shock 2000, Strategy in Crisis and Streamlining, comes this breakthrough new work looking at the future of the digital age. It examines how the rapidly developing technology revolution is changing the way business must operate in this unfolding 21st century. It also considers the impact on people and how our daily lives and life styles will change for ever. In particular there's a blueprint and roadmap showing how companies can navigate their way through the rapidly changing environment and still emerge as winners. Everything we are used to is changing. Our computer world of point and click is morphing into Think, Talk and Move, where just thought, voice and simple remote gestures will control 3D holographic displays of data, content and video. Companies will need to reinvent themselves as MCEs, "multi-channel enterprises", in which there is seamless cross-channel interaction with customers and they will also need to change the way their operating systems and processes are organized. The shift of consumer spend to online will see traditional retailing under threat as high street bricks 'n mortar economics are undermined. Expect massive changes among retailers and also the commercial property companies as they restructure their portfolios. New advances in the Cloud will cut

costs and time to market and challenge decades of IT infrastructure. Technology generally is now becoming the key source of enablement and competitive advantage.

Innovation in Information Systems and Technologies to Support Learning Research

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