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ANGELO IBARRA

**Compl CompT A+ Gd
PC ePub_7** Springer

The open source nature of the platform has not only established a new direction for the industry, but enables a developer or forensic

analyst to understand the device at the most fundamental level. Android Forensics covers an open source mobile device platform based on the Linux 2.6 kernel and managed by the Open Handset Alliance. The Android platform is a major source of digital forensic investigation and analysis. This book provides a thorough review of the Android platform including supported hardware devices, the structure of the Android development project and implementation of core services (wireless communication, data storage and other low-level functions). Finally, it will focus on teaching readers how to apply actual forensic techniques to recover data. Ability to forensically acquire

Android devices using the techniques outlined in the book Detailed information about Android applications needed for forensics investigations Important information about SQLite, a file based structured data storage relevant for both Android and many other platforms.

Fuji X Secrets

Elsevier

The financial crisis is just beginning for retail institutions. Ninety to ninety-five per cent of bank transactions are executed electronically today. The Internet, ATMs, call centres and smartphones have become mainstream for customers. But banks still classify these as alternative channels and maintain an organisation structure where Branch dominates thinking.

Continued technology innovations, Web 2.0, social networking, app phones and mobility are also stretching traditional banking models to the limit. BANK 2.0 reveals why customer behaviour is so rapidly changing, how branches will evolve, why cheques are disappearing, and why your mobile phone will replace your wallet all within the next 10 years.

Inside NAND Flash Memories Elsevier Streamlined Design Solutions Specifically for NoC To solve critical network-on-chip (NoC) architecture and design problems related to structure, performance and modularity, engineers generally rely on guidance from the abundance of literature about better-

understood system-level interconnection networks. However, on-chip networks present several distinct challenges that require novel and specialized solutions not found in the tried-and-true system-level techniques. A Balanced Analysis of NoC Architecture As the first detailed description of the commercial Spidergon STNoC architecture, Design of Cost-Efficient Interconnect Processing Units: Spidergon STNoC examines the highly regarded, cost-cutting technology that is set to replace well-known shared bus architectures, such as STBus, for demanding multiprocessor system-on-chip (SoC) applications. Employing a balanced,

well-organized structure, simple teaching methods, numerous illustrations, and easy-to-understand examples, the authors explain: how the SoC and NoC technology works why developers designed it the way they did the system-level design methodology and tools used to configure the Spidergon STNoC architecture differences in cost structure between NoCs and system-level networks From professionals in computer sciences, electrical engineering, and other related fields, to semiconductor vendors and investors - all readers will appreciate the encyclopedic treatment of background NoC information ranging

from CMPs to the basics of interconnection networks. The text introduces innovative system-level design methodology and tools for efficient design space exploration and topology selection. It also provides a wealth of key theoretical and practical MPSoC and NoC topics, such as technological deep sub-micron effects, homogeneous and heterogeneous processor architectures, multicore SoC, interconnect processing units, generic NoC components, and embeddings of common communication patterns.

Information Societies in Latin America and the Caribbean Springer

Science & Business
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 Trends2-Energy and
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 Distributed Control
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 Bus Trends6-Artificial
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 Computer Networks
 and Security8-Systems
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 Building automation,
 Wireless Technology
 and the InternetIndex
**Essential Issues in
 SOC Design** John
 Wiley & Sons
 This book includes
 papers from the 5th
 International
 Conference on Robot

Intelligence
 Technology and
 Applications held at
 KAIST, Daejeon, Korea
 on December 13–15,
 2017. It covers the
 following areas:
 artificial intelligence,
 autonomous robot
 navigation, intelligent
 robot system design,
 intelligent sensing and
 control, and machine
 vision. The topics
 included in this book
 are deep learning,
 deep neural networks,
 image understanding,
 natural language
 processing,
 speech/voice/text
 recognition, reasoning
 & inference, sensor
 integration/fusion/perc
 eption, multisensor
 data fusion,
 navigation/SLAM/localiz
 ation, distributed
 intelligent algorithms
 and techniques,
 ubiquitous computing,
 digital creatures,

intelligent agents, computer vision, virtual/augmented reality, surveillance, pattern recognition, gesture recognition, fingerprint recognition, animation and virtual characters, and emerging applications. This book is a valuable resource for robotics scientists, computer scientists, artificial intelligence researchers and professionals in universities, research institutes and laboratories.

Concepts and Implementation

Springer

This book provides a broad overview of the many card systems and solutions that are in practical use today. This new edition adds content on RFIDs, embedded security, attacks and

countermeasures, security evaluation, javacards, banking or payment cards, identity cards and passports, mobile systems security, and security management. A step-by-step approach educates the reader in card types, production, operating systems, commercial applications, new technologies, security design, attacks, application development, deployment and lifecycle management. By the end of the book the reader should be able to play an educated role in a smart card related project, even to programming a card application. This book is designed as a textbook for graduate level students in computer science. It is

also as an invaluable post-graduate level reference for professionals and researchers. This volume offers insight into benefits and pitfalls of diverse industry, government, financial and logistics aspects while providing a sufficient level of technical detail to support technologists, information security specialists, engineers and researchers.

Using Microcontrollers and the MSP430 John Wiley & Sons

This book looks at network security in a new and refreshing way. It guides readers step-by-step through the "stack" -- the seven layers of a network. Each chapter focuses on one layer of the stack along with the attacks, vulnerabilities, and exploits that can

be found at that layer. The book even includes a chapter on the mythical eighth layer: The people layer. This book is designed to offer readers a deeper understanding of many common vulnerabilities and the ways in which attacker's exploit, manipulate, misuse, and abuse protocols and applications. The authors guide the readers through this process by using tools such as Ethereal (sniffer) and Snort (IDS). The sniffer is used to help readers understand how the protocols should work and what the various attacks are doing to break them. IDS is used to demonstrate the format of specific signatures and provide the reader with the skills needed to recognize and detect

attacks when they occur. What makes this book unique is that it presents the material in a layer by layer approach which offers the readers a way to learn about exploits in a manner similar to which they most likely originally learned networking. This methodology makes this book a useful tool to not only security professionals but also for networking professionals, application programmers, and others. All of the primary protocols such as IP, ICMP, TCP are discussed but each from a security perspective. The authors convey the mindset of the attacker by examining how seemingly small flaws are often the catalyst of potential threats.

The book considers the general kinds of things that may be monitored that would have alerted users of an attack. * Remember being a child and wanting to take something apart, like a phone, to see how it worked? This book is for you then as it details how specific hacker tools and techniques accomplish the things they do. * This book will not only give you knowledge of security tools but will provide you the ability to design more robust security solutions * Anyone can tell you what a tool does but this book shows you how the tool works

The Independent Guide to IBM-standard Personal Computing Rocky Nook, Inc.
Illustrates the new

features of Windows 10.

Theory, Design, and Application to Rotating Machinery

CRC Press

Compiling the expertise of nine pioneers of the field, *Magnetic Bearings - Theory, Design, and Application to Rotating Machinery* offers an encyclopedic study of this rapidly emerging field with a balanced blend of commercial and academic perspectives. Every element of the technology is examined in detail, beginning at the component level and proceeding through a thorough exposition of the design and performance of these systems. The book is organized in a logical fashion, starting with an overview of the

technology and a survey of the range of applications. A background chapter then explains the central concepts of active magnetic bearings while avoiding a morass of technical details. From here, the reader continues to a meticulous, state-of-the-art exposition of the component technologies and the manner in which they are assembled to form the AMB/rotor system. These system models and performance objectives are then tied together through extensive discussions of control methods for both rigid and flexible rotors, including consideration of the problem of system dynamics identification. Supporting this, the issues of system

reliability and fault management are discussed from several useful and complementary perspectives. At the end of the book, numerous special concepts and systems, including micro-scale bearings, self-bearing motors, and self-sensing bearings, are put forth as promising directions for new research and development. Newcomers to the field will find the material highly accessible while veteran practitioners will be impressed by the level of technical detail that emerges from a combination of sophisticated analysis and insights gleaned from many collective years of practical experience. An exhaustive, self-contained text on

active magnetic bearing technology, this book should be a core reference for anyone seeking to understand or develop systems using magnetic bearings.

Mastering Windows XP Registry John

Wiley & Sons

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 p.p2 {margin: 0.0px 0.0px 0.0px 0.0px; font: 11.0px Verdana; min-height: 13.0px}
 p.p3 {margin: 0.0px 0.0px 0.0px 0.0px; font: 12.0px Cambria; min-height: 14.0px}
 span.s1 {font: 11.0px Verdana} span.Apple-tab-span {white-space:pre}

In this book, X-Pert Corner columnist and workshop mentor Rico Pfirstinger teaches you all about the capabilities of the Fujifilm X se-

ries lineup of cameras, which he's discovered through years of in-depth research, experience, and experimentation. No matter which X series camera you own—whether it be the X-T3, X-H1, X-T2, X-Pro2, X100F, X-T20, X-E3, GFX, or any other Fuji X series camera—Rico cuts to the chase and provides a plethora of tips and practical instructions not found in user manuals or anywhere else. With this knowledge, you will be able to take full advantage of your X series camera.

The Fujifilm X series boasts amazing features, but some users may require an adjustment period if they are new to these cameras—even photographers who have been lifetime DSLR shooters. This guide will help you

to quickly feel comfortable using your camera so that you can achieve excellent results.

Rico reveals many hidden features, functions, and procedures, so photographers of every level—beginners, enthusiasts, and experienced pros—will learn new and better ways to use their Fuji X series camera to its full potential. Beyond beneficial practices for all X series shooters, Rico also covers advanced concepts, such as the capabilities of Fujifilm's ISO-less sensors with Dual Conversion Gain, and offers solutions for common issues, such as inaccurate focus or RAW conversion artifacts.

Topics covered include:

- Firmware upgrades, lens issues, OIS and IBIS

- Menus shortcuts, Custom Settings, My Menu, Quick Menu, and Fn buttons
- Mirrorless exposure metering
- Maximizing dynamic range
- ISOless photography
- Autofocus settings, challenges, and strategies
- Film simulations, white balance, and JPEG settings
- RAW conversion (internal and external)
- Flash photography
- And much more...

Proceedings of the International Conference on Microelectronics, Computing & Communication Systems John Wiley & Sons

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. **Android Hacker's Handbook** Pearson IT Certification
 Provides step-by-step instructions for more than twenty modifications for digital cameras, including building a remote control, creating car mounts, and making a home light studio. [Smart Phone and Next Generation Mobile Computing](#) CRC Press
 This volume comprises select papers from the International Conference on Microelectronics, Computing & Communication Systems (MCCS 2015). Electrical, Electronics, Computer, Communication and Information Technology and their applications in business, academic,

industry and other allied areas. The main aim of this volume is to bring together content from international scientists, researchers, engineers from both academia and the industry. The contents of this volume will prove useful to researchers, professionals, and students alike.

Magnetic Bearings

"O'Reilly Media, Inc." *Inequality in Education: Comparative and International Perspectives* is a compilation of conceptual chapters and national case studies that includes a series of methods for measuring education inequalities. The book provides up-to-date scholarly research on global trends in the distribution of formal schooling in national

populations. It also offers a strategic comparative and international education policy statement on recent shifts in education inequality, and new approaches to explore, develop and improve comparative education and policy research globally. Contributing authors examine how education as a process interacts with government finance policy to form patterns of access to education services. In addition to case perspectives from 18 countries across six geographic regions, the volume includes six conceptual chapters on topics that influence education inequality, such as gender, disability, language and economics, and a summary chapter that presents new evidence

on the pernicious consequences of inequality in the distribution of education. The book offers (1) a better and more holistic understanding of ways to measure education inequalities; and (2) strategies for facing the challenge of inequality in education in the processes of policy formation, planning and implementation at the local, regional, national and global levels.

How Customer Behaviour and Technology Will Change the Future of Financial Services

McGraw Hill Professional

This introduction to networking on Linux now covers firewalls, including the use of ipchains and Netfilter, masquerading, and

accounting. Other new topics in this second edition include Novell (NCP/IPX) support and INN (news administration).

Everything You Need to Develop Custom USB Peripherals McGraw-Hill Education

Digital photography, MP3, digital video, etc. make extensive use of NAND-based Flash cards as storage media. To realize how much NAND Flash memories pervade every aspect of our life, just imagine how our recent habits would change if the NAND memories suddenly disappeared. To take a picture it would be necessary to find a film (as well as a traditional camera...), disks or even magnetic tapes would be used to record a video or to listen a song, and a

cellular phone would return to be a simple mean of communication rather than a multimedia console. The development of NAND Flash memories will not be set down on the mere evolution of personal entertainment systems since a new killer application can trigger a further success: the replacement of Hard Disk Drives (HDDs) with Solid State Drives (SSDs). SSD is made up by a microcontroller and several NANDs. As NAND is the technology driver for IC circuits, Flash designers and technologists have to deal with a lot of challenges. Therefore, SSD (system) developers must understand Flash technology in order to

exploit its benefits and countermeasure its weaknesses. Inside NAND Flash Memories is a comprehensive guide of the NAND world: from circuits design (analog and digital) to Flash reliability (including radiation effects), from testing issues to high-performance (DDR) interface, from error correction codes to NAND applications like Flash cards and SSDs.

Spidergon STNoC

Cengage Learning
The most comprehensive and current computer forensics handbook explains today's leading tools and investigation techniques. Hacking Exposed Computer Forensics, Third Edition reveals how to identify and investigate computer crimes of all

types, and explains how to construct a high-tech forensics lab, collect prosecutable evidence, discover email and system file clues, track wireless activity, and recover obscured documents. You'll learn how to recreate the path of the attacker, access a variety of devices, gather evidence, communicate with attorneys about their investigations, and prepare reports. In addition to a top-down update of the content, the book features several all-new chapters on the topics of cloud forensics, malware analysis, and laws and regulations in the European Union. The Hacking Exposed brand is synonymous with practical get-the-job-done tips for security practitioners.

Threats to information security are more virulent today than ever before—this new edition is an essential read for information security professionals who must successfully troubleshoot the newest, toughest digital forensics cases ever seen. Features three completely new chapters on cloud forensics, malware analysis, and laws and regulations in the European Union with information on data restrictions concerning international investigations Explains how to restore deleted documents, partitions, user activities, and file systems Details techniques for unlocking clues stored in mobile devices Covers how to analyze evidence gathered from Windows, Linux,

and Mac systems
MCCS 2015 Elsevier
 This textbook serves as an introduction to the subject of embedded systems design, using microcontrollers as core components. It develops concepts from the ground up, covering the development of embedded systems technology, architectural and organizational aspects of controllers and systems, processor models, and peripheral devices. Since microprocessor-based embedded systems tightly blend hardware and software components in a single application, the book also introduces the subjects of data representation formats, data operations, and programming styles.

The practical component of the book is tailored around the architecture of a widely used Texas Instrument's microcontroller, the MSP430 and a companion web site offers for download an experimenter's kit and lab manual, along with Powerpoint slides and solutions for instructors.

Feature-Oriented Software Product Lines

United Nations Publications
 This book originated from a workshop held at the DATE 2005 conference, namely Designing Complex SOCs. State-of-the-art in issues related to System-on-Chip (SoC) design by leading experts in the fields, it covers IP development, verification, integration, chip

implementation, testing and software. It contains valuable academic and industrial examples for those involved with the design of complex SOC's.

PC Magazine Springer
Science & Business
Media

Since the publication of the best-selling first edition of *The Satellite Communication Applications Handbook*, the satellite communications industry has experienced explosive growth. Satellite radio, direct-to-home satellite television, satellite telephones, and

satellite guidance for automobiles are now common and popular consumer products. Similarly, business, government, and defense organizations now rely on satellite communications for day-to-day operations. This second edition covers all the latest advances in satellite technology and applications including direct-to-home broadcasting, digital audio and video, and VSAT networks. Engineers get the latest technical insights into operations, architectures, and systems components.