

Gnu Radio Usrp Tutorial Wordpress

Software-Defined Radio for Engineers

Based on the popular Artech House classic, Digital Communication Systems Engineering with Software-Defined Radio, this book provides a practical approach to quickly learning the software-defined radio (SDR) concepts needed for work in the field. This up-to-date volume guides readers on how to quickly prototype wireless designs using SDR for real-world testing and experimentation. This book explores advanced wireless communication techniques such as OFDM, LTE, WLA, and hardware targeting. Readers will gain an understanding of the core concepts behind wireless hardware, such as the radio frequency front-end, analog-to-digital and digital-to-analog converters, as well as various processing technologies. Moreover, this volume includes chapters on timing estimation, matched filtering, frame synchronization message decoding, and source coding. The orthogonal frequency division multiplexing is explained and details about HDL code generation and deployment are provided. The book concludes with coverage of the WLAN toolbox with OFDM beacon reception and the LTE toolbox with downlink reception. Multiple case studies are provided throughout the book. Both MATLAB and Simulink source code are included to assist readers with their projects in the field.

Inside Radio: An Attack and Defense Guide

This book discusses the security issues in a wide range of wireless devices and systems, such as RFID, Bluetooth, ZigBee, GSM, LTE, and GPS. It collects the findings of recent research by the UnicornTeam at 360 Technology, and reviews the state-of-the-art literature on wireless security. The book also offers detailed case studies and theoretical treatments – specifically it lists numerous laboratory procedures, results, plots, commands and screenshots from real-world experiments. It is a valuable reference guide for practitioners and researchers who want to learn more about the advanced research findings and use the off-the-shelf tools to explore the wireless world.

Wireless Communications from the Ground Up

The book starts with a completely fresh perspective on introduction to signals and continues to dealing with complex numbers without any complicated mathematics. The only skills you require are addition, multiplication and knowing what cos and sin are! The topics of discrete domains - both time and frequency - are explained in an intuitive manner such that traveling between the two through Discrete Fourier Transform (DFT) becomes quite natural. Furthermore, the concepts needed to implement modern digital

communication systems such as convolution, filters and multirate signal processing are illustrated through the help of beautiful figures. Next, the book demystifies modulation and demodulation in a way easy to grasp even for a non-technical reader. The focus is on linear modulations, particularly Pulse Amplitude Modulation (PAM), Quadrature Amplitude Modulation (QAM) and Phase Shift Keying (PSK). Matched filtering is clarified in time, frequency and mathematical details in a story-like development. In addition, the topic of pulse shape filtering is covered in a depth and from angles never described anywhere before. The book continues with stethoscopes of a communication system, namely eye diagrams and scatter plots and towards the error rates of various modulation schemes along with the energy scaling factors of respective blocks. Finally, their spectral efficiencies are described taking into account the bandwidth, signal-to-noise ratio and data rates. This text is a simple way for you to enter at the beginner level and make your way up to wireless system design. Mathematics is included at a school level. I rely more on visualizing equations through beautiful figures. Therefore, you will encounter numerous figures throughout the text with logical and intuitive explanations. But you will not encounter any integrals, probability theory and detection/estimation theory. You will not even find any e or j of complex numbers either. The most complicated notation I have used is $\sum$ everything from N_1 to N_2 .

iOS Hacker's Handbook

Discover all the security risks and exploits that can threaten iOS-based mobile devices iOS is Apple's mobile operating system for the iPhone and iPad. With the introduction of iOS5, many security issues have come to light. This book explains and discusses them all. The award-winning author team, experts in Mac and iOS security, examines the vulnerabilities and the internals of iOS to show how attacks can be mitigated. The book explains how the operating system works, its overall security architecture, and the security risks associated with it, as well as exploits, rootkits, and other payloads developed for it. Covers iOS security architecture, vulnerability hunting, exploit writing, and how iOS jailbreaks work. Explores iOS enterprise and encryption, code signing and memory protection, sandboxing, iPhone fuzzing, exploitation, ROP payloads, and baseband attacks. Also examines kernel debugging and exploitation. Companion website includes source code and tools to facilitate your efforts. iOS Hacker's Handbook arms you with the tools needed to identify, understand, and foil iOS attacks.

Hacking Exposed Wireless

Secure Your Wireless Networks the Hacking Exposed Way. Defend against the latest pervasive and devastating wireless attacks using the tactical security information contained in this comprehensive volume. Hacking Exposed Wireless reveals how hackers zero in on susceptible networks and peripherals, gain access, and execute debilitating attacks. Find out how to plug security holes in Wi-Fi/802.11 and Bluetooth systems and devices. You'll also learn how to launch wireless exploits from Metasploit, employ bulletproof authentication and encryption, and sidestep insecure wireless hotspots. The

book includes vital details on new, previously unpublished attacks alongside real-world countermeasures. Understand the concepts behind RF electronics, Wi-Fi/802.11, and Bluetooth Find out how hackers use NetStumbler, WiSPY, Kismet, KisMAC, and AiroPeek to target vulnerable wireless networks Defend against WEP key brute-force, aircrack, and traffic injection hacks Crack WEP at new speeds using Field Programmable Gate Arrays or your spare PS3 CPU cycles Prevent rogue AP and certificate authentication attacks Perform packet injection from Linux Launch DoS attacks using device driver-independent tools Exploit wireless device drivers using the Metasploit 3.0 Framework Identify and avoid malicious hotspots Deploy WPA/802.11i authentication and encryption using PEAP, FreeRADIUS, and WPA pre-shared keys

Cognitive Radio Technology

This book gives a thorough knowledge of cognitive radio concepts, principles, standards, spectrum policy issues and product implementation details. In addition to 16 chapters covering all the basics of cognitive radio, this new edition has eight brand-new chapters covering cognitive radio in multiple antenna systems, policy language and policy engine, spectrum sensing, rendezvous techniques, spectrum consumption models, protocols for adaptation, cognitive networking, and information on the latest standards, making it an indispensable resource for the RF and wireless engineer. The new edition of this cutting edge reference, which gives a thorough knowledge of principles, implementation details, standards, policy issues in one volume, enables the RF and wireless engineer to master and apply today's cognitive radio technologies. Bruce Fette, PhD, is Chief Scientist in the Communications Networking Division of General Dynamics C4 Systems in Scottsdale, AZ. He worked with the Software Defined Radio (SDR) Forum from its inception, currently performing the role of Technical Chair, and is a panelist for the IEEE Conference on Acoustics Speech and Signal Processing Industrial Technology Track. He currently heads the General Dynamics Signal Processing Center of Excellence in the Communication Networks Division. Dr. Fette has 36 patents and has been awarded the "Distinguished Innovator Award". * Foreword and a chapter contribution by Joe Mitola, the creator of the field * Discussion of cognitive aids to the user, spectrum owner, network operator * Explanation of capabilities such as time - position awareness, speech and language awareness, multi-objective radio and network optimization, and supporting database infrastructure * Detailed information on product implementation to aid product developers * Thorough descriptions of each cognitive radio component technology provided by leaders of their respective fields, and the latest in high performance analysis - implementation techniques * Explanations of the complex architecture and terminology of the current standards activities * Discussions of market opportunities created by cognitive radio technology

The Hobbyist's Guide to the RTL-SDR

This book is about tips and tutorials that show you how to get the most out of your RTL-SDR dongle. Most projects described in this book are also compatible with other wideband

SDRs such as the HackRF, Airspy and SDRPlay RSP.

Wireless Sensor Networks

This book focuses on the principles of wireless sensor networks (WSNs), their applications, and their analysis tools, with meticulous attention paid to definitions and terminology. This book presents the adopted technologies and their manufacturers in detail, making WSNs tangible for the reader. In introductory computer networking books, chapter sequencing follows the bottom-up or top-down architecture of the 7-layer protocol. This book addresses subsequent steps in this process, both horizontally and vertically, thus fostering a clearer and deeper understanding through chapters that elaborate on WSN concepts and issues. With such depth, this book is intended for a wide audience; it is meant to be a helper and motivator for senior undergraduates, postgraduates, researchers, and practitioners. It lays out important concepts and WSN-related applications; uses appropriate literature to back research and practical issues; and focuses on new trends. Senior undergraduate students can use it to familiarize themselves with conceptual foundations and practical project implementations. For graduate students and researchers, test beds and simulators provide vital insights into analysis methods and tools for WSNs. Lastly, in addition to applications and deployment, practitioners will be able to learn more about WSN manufacturers and components within several platforms and test beds.

Multirate Signal Processing For Communication Systems

This Book Provides The Communications Engineer Involved In The Physical Layer Of Communications Systems, The Signal Processing Techniques And Design Tools Needed To Develop Efficient Algorithms For The Design Of Various Systems. These Systems Include Satellite Modems, Cable Modems, Wire-Line Modems, Cell-Phones, Various Radios, Multi-Channel Receivers, Audio Encoders, Surveillance Receivers, Laboratory Instruments, And Various Sonar And Radar Systems. The Emphasis Woven Through The Book Material Is That Of Intuitive Understanding Obtained By The Liberal Use Of Figures And Examples. The Book Contains Examples Of All These Types Of Systems. The Book Also Will Contain Matlab Script Files That Implement The Examples As Well As Design Tools For Filters Similar To The Examples.

Digital Signal Processing in Communications Systems

An engineer's introduction to concepts, algorithms, and advancements in Digital Signal Processing. This lucidly written resource makes extensive use of real-world examples as it covers all the important design and engineering references.

Gray Hat Hacking: The Ethical Hacker's Handbook, Fifth Edition

Cutting-edge techniques for finding and fixing critical security flaws Fortify your network and avert digital catastrophe with proven strategies from a team of security experts. Completely updated and featuring 13 new chapters, Gray Hat Hacking, The Ethical Hacker's Handbook, Fifth Edition explains the enemy's current weapons, skills, and tactics and offers field-tested remedies, case studies, and ready-to-try testing labs. Find out how hackers gain access, overtake network devices, script and inject malicious code, and plunder Web applications and browsers. Android-based exploits, reverse engineering techniques, and cyber law are thoroughly covered in this state-of-the-art resource. And the new topic of exploiting the Internet of things is introduced in this edition.

- Build and launch spoofing exploits with Ettercap
- Induce error conditions and crash software using fuzzers
- Use advanced reverse engineering to exploit Windows and Linux software
- Bypass Windows Access Control and memory protection schemes
- Exploit web applications with Padding Oracle Attacks
- Learn the use-after-free technique used in recent zero days
- Hijack web browsers with advanced XSS attacks
- Understand ransomware and how it takes control of your desktop
- Dissect Android malware with JEB and DAD decompilers
- Find one-day vulnerabilities with binary diffing
- Exploit wireless systems with Software Defined Radios (SDR)
- Exploit Internet of things devices
- Dissect and exploit embedded devices
- Understand bug bounty programs
- Deploy next-generation honeypots
- Dissect ATM malware and analyze common ATM attacks
- Learn the business side of ethical hacking

Galactic Radio Astronomy

'Galactic Radio Astronomy' was chosen as the subject of this Symposium, which was held in conjunction with the IAU General Assembly that took place in Sydney in August 1973, largely because it is a very suitable Southern Hemisphere topic. This results in part from the advantages of a southern location in studying the Galaxy and in part from the long association of Australia with radio astronomy. Following the General Assembly, the Symposium was held at the Surf air Inter national Hotel in Maroochydore, Queensland, from 3 to 7 September, 1973. The conference participants were effectively isolated from the rest of the world during the Symposium, and the excellent spring weather and geographical situation led to the development of an unusually good rapport. The Symposium was sponsored by Commissions 40, 33, and 34. The Organizing Committee was composed of A. H. Barrett (chairman), J. E. Baldwin, D. S. Heeschen, F. J. Kerr, J. Lequeux, S. W. McCuskey, P. G. Mezger, B. Y. Mills, Yu. N. Parijskij, B. J. Robinson, H. van der Laan, and H. F. Weaver. The Local Committee, consisting of B. J. Robinson, N. G. Seddon, and P. J. Kelly, looked after the arrangements in very fine style. The Symposium was supported financially by the IAU, the Australian Academy of Science, the CSIRO Division of Radiophysics, Union Carbide Australia Limited, and the Science Foundation for Physics within the University of Sydney.

Communication System Design Using DSP Algorithms

This new edition provides both theoretical and practical background of security and forensics for mobile phones. The author discusses confidentiality, integrity, and availability threats in mobile telephones to provide background for the rest of the book. Security and secrets of mobile phones are discussed including software and hardware interception, fraud and other malicious techniques used “against” users. The purpose of this book is to raise user awareness in regards to security and privacy threats present in the use of mobile phones while readers will also learn where forensics data reside in the mobile phone and the network and how to conduct a relevant analysis. The information on denial of service attacks has been thoroughly updated for the new edition. Also, a major addition to this edition is a section discussing software defined radio and open source tools for mobile phones.

Mobile Phone Security and Forensics

Over 80 recipes to master IoT security techniques. About This Book Identify vulnerabilities in IoT device architectures and firmware using software and hardware pentesting techniques Understand radio communication analysis with concepts such as sniffing the air and capturing radio signals A recipe based guide that will teach you to pentest new and unique set of IoT devices. Who This Book Is For This book targets IoT developers, IoT enthusiasts, pentesters, and security professionals who are interested in learning about IoT security. Prior knowledge of basic pentesting would be beneficial. What You Will Learn Set up an IoT pentesting lab Explore various threat modeling concepts Exhibit the ability to analyze and exploit firmware vulnerabilities Demonstrate the automation of application binary analysis for iOS and Android using MobSF Set up a Burp Suite and use it for web app testing Identify UART and JTAG pinouts, solder headers, and hardware debugging Get solutions to common wireless protocols Explore the mobile security and firmware best practices Master various advanced IoT exploitation techniques and security automation In Detail IoT is an upcoming trend in the IT industry today; there are a lot of IoT devices on the market, but there is a minimal understanding of how to safeguard them. If you are a security enthusiast or pentester, this book will help you understand how to exploit and secure IoT devices. This book follows a recipe-based approach, giving you practical experience in securing upcoming smart devices. It starts with practical recipes on how to analyze IoT device architectures and identify vulnerabilities. Then, it focuses on enhancing your pentesting skill set, teaching you how to exploit a vulnerable IoT device, along with identifying vulnerabilities in IoT device firmware. Next, this book teaches you how to secure embedded devices and exploit smart devices with hardware techniques. Moving forward, this book reveals advanced hardware pentesting techniques, along with software-defined, radio-based IoT pentesting with Zigbee and Z-Wave. Finally, this book also covers how to use new and unique pentesting techniques for different IoT devices, along with smart devices connected to the cloud. By the end of this book, you will have a fair understanding of how to use different pentesting techniques to exploit and secure various IoT devices. Style and approach This recipe-based book will teach you how to use

advanced IoT exploitation and security automation.

IoT Penetration Testing Cookbook

A technical manual describing the history, construction, calibration of the NanoVNA. Explains model differences, application and use of the device. 52 illustrations (photos and screenshots), 20 in color.

A Guide to the NanoVNA

Genetic Algorithms in Java Basics is a brief introduction to solving problems using genetic algorithms, with working projects and solutions written in the Java programming language. This brief book will guide you step-by-step through various implementations of genetic algorithms and some of their common applications, with the aim to give you a practical understanding allowing you to solve your own unique, individual problems. After reading this book you will be comfortable with the language specific issues and concepts involved with genetic algorithms and you'll have everything you need to start building your own. Genetic algorithms are frequently used to solve highly complex real world problems and with this book you too can harness their problem solving capabilities. Understanding how to utilize and implement genetic algorithms is an essential tool in any respected software developers toolkit. So step into this intriguing topic and learn how you too can improve your software with genetic algorithms, and see real Java code at work which you can develop further for your own projects and research. Guides you through the theory behind genetic algorithms Explains how genetic algorithms can be used for software developers trying to solve a range of problems Provides a step-by-step guide to implementing genetic algorithms in Java

Genetic Algorithms in Java Basics

Building Wireless Community Networks is about getting people online using wireless network technology. The 802.11b standard (also known as WiFi) makes it possible to network towns, schools, neighborhoods, small business, and almost any kind of organization. All that's required is a willingness to cooperate and share resources. The first edition of this book helped thousands of people engage in community networking activities. At the time, it was impossible to predict how quickly and thoroughly WiFi would penetrate the marketplace. Today, with WiFi-enabled computers almost as common as Ethernet, it makes even more sense to take the next step and network your community using nothing but freely available radio spectrum. This book has showed many people how to make their network available, even from the park bench, how to extend high-speed Internet access into the many areas not served by DSL and cable providers, and how to build working communities and a shared though intangible network. All that's required to create an access point for high-speed Internet connection is a gateway or base station.

Once that is set up, any computer with a wireless card can log onto the network and share its resources. Rob Flickenger built such a network in northern California, and continues to participate in network-building efforts. His nuts-and-bolts guide covers: Selecting the appropriate equipment Finding antenna sites, and building and installing antennas Protecting your network from inappropriate access New network monitoring tools and techniques (new) Regulations affecting wireless deployment (new) IP network administration, including DNS and IP Tunneling (new) His expertise, as well as his sense of humor and enthusiasm for the topic, makes Building Wireless Community Networks a very useful and readable book for anyone interested in wireless connectivity.

Building Wireless Community Networks

This comprehensive reference updates bistatic and multistatic radar developments since the publication of Nicholas Willis' seminal book Bistatic Radar published in 1991 and revised in 1995. The book is organized into two major sections: Bistatic/ Multistatic Radar Systems and Bistatic Clutter and Signal Processing. New and recently declassified military applications are documented. Civil applications are detailed for the first time, including commercial and scientific systems. Several of the most honored radar engineers of this era provide expertise in each of these applications. Professionals in radar and sonar will find this book a valuable resource

Advances in Bistatic Radar

This book is about the UN's role in housing, land, and property rights in countries after violent conflict.

Housing, Land, and Property Rights in Post-Conflict United Nations and Other Peace Operations

Note: There are two versions of this book, one with full-color illustrations, the other with interior images in black and white. This is the black and white edition. Software Defined Radios are revolutionizing wireless communications, but getting started can be a challenge. Much of the available SDR training veers either towards highly mathematical engineering classes or radio cookbooks with little explanation for the steps taken. Basic Digital Communications steers between these two extremes by leveraging knowledge you already have but didn't know was applicable to radio technology. Through a series of hands-on exercises, you'll learn: the key components of digital transmissions like preambles, payloads and error checking how to build transmitters using OOK and FSK how to build more advanced radios with PSK and QPSK the best techniques for viewing digitally modulated signals how to model noise and other system imperfections When you complete this third volume of our Field Expedient SDR series, you'll know enough to venture into the wild and start exploring the RF spectrum. Many of the online SDR

tutorials and walkthroughs will make much more sense, allowing you to build more advanced radios and perform more advanced activities like reverse engineering and RF security research.

Man-made Radio Noise

"If I had this book 10 years ago, the FBI would never have found me!" -- Kevin Mitnick
This book has something for everyone---from the beginner hobbyist with no electronics or coding experience to the self-proclaimed "gadget geek." Take an ordinary piece of equipment and turn it into a personal work of art. Build upon an existing idea to create something better. Have fun while voiding your warranty! Some of the hardware hacks in this book include: * Don't toss your iPod away when the battery dies! Don't pay Apple the \$99 to replace it! Install a new iPod battery yourself without Apple's "help" * An Apple a day! Modify a standard Apple USB Mouse into a glowing UFO Mouse or build a FireWire terabyte hard drive and custom case * Have you played Atari today? Create an arcade-style Atari 5200 paddle controller for your favorite retro videogames or transform the Atari 2600 joystick into one that can be used by left-handed players * Modern game systems, too! Hack your PlayStation 2 to boot code from the memory card or modify your PlayStation 2 for homebrew game development * Videophiles unite! Design, build, and configure your own Windows- or Linux-based Home Theater PC * Ride the airwaves! Modify a wireless PCMCIA NIC to include an external antenna connector or load Linux onto your Access Point * Stick it to The Man! Remove the proprietary barcode encoding from your CueCat and turn it into a regular barcode reader * Hack your Palm! Upgrade the available RAM on your Palm m505 from 8MB to 16MB · Includes hacks of today's most popular gaming systems like Xbox and PS/2. · Teaches readers to unlock the full entertainment potential of their desktop PC. · Frees iMac owners to enhance the features they love and get rid of the ones they hate.

Field Expedient SDR: Basic Digital Communications (black and White Version)

The Latest Linux Security Solutions This authoritative guide will help you secure your Linux network--whether you use Linux as a desktop OS, for Internet services, for telecommunications, or for wireless services. Completely rewritten the ISECOM way, Hacking Exposed Linux, Third Edition provides the most up-to-date coverage available from a large team of topic-focused experts. The book is based on the latest ISECOM security research and shows you, in full detail, how to lock out intruders and defend your Linux systems against catastrophic attacks. Secure Linux by using attacks and countermeasures from the latest OSSTMM research Follow attack techniques of PSTN, ISDN, and PSDN over Linux Harden VoIP, Bluetooth, RF, RFID, and IR devices on Linux Block Linux signal jamming, cloning, and eavesdropping attacks Apply Trusted Computing and cryptography tools for your best defense Fix vulnerabilities in DNS, SMTP, and Web 2.0 services Prevent SPAM, Trojan, phishing, DoS, and DDoS exploits Find and repair

errors in C code with static analysis and Hoare Logic

Hardware Hacking

This book provides a new perspective on modeling cyber-physical systems (CPS), using a data-driven approach. The authors cover the use of state-of-the-art machine learning and artificial intelligence algorithms for modeling various aspect of the CPS. This book provides insight on how a data-driven modeling approach can be utilized to take advantage of the relation between the cyber and the physical domain of the CPS to aid the first-principle approach in capturing the stochastic phenomena affecting the CPS. The authors provide practical use cases of the data-driven modeling approach for securing the CPS, presenting novel attack models, building and maintaining the digital twin of the physical system. The book also presents novel, data-driven algorithms to handle non- Euclidean data. In summary, this book presents a novel perspective for modeling the CPS.

Hacking Exposed Linux

Precise and accurate localization is one of the fundamental scientific and engineering technologies needed for the applications enabling the emergence of the Smart World and the Internet of Things (IoT). Popularity of localization technology began when the GPS became open for commercial applications in early 1990's. Since most commercial localization applications are for indoors and GPS does not work indoors, the discovery of opportunistic indoor geolocation technologies began in mid-1990's. Because of complexity and diversity of science and technology involved in indoor Geolocation, this area has emerged as its own discipline over the past two decades. At the time of this writing, received signal strength (RSS) based Wi-Fi localization is dominating the commercial market complementing cell tower localization and GPS technologies using the time of arrival (TOA) technology. Wi-Fi localization technology takes advantage of the random deployment of Wi-Fi devices worldwide to support indoor and urban area localization for hundreds of thousands of applications on smart devices. Public safety and military applications demand more precise localization for first responders and military applications deploy specialized infrastructure for more precise indoor geolocation. To enhance the performance both industries are examining hybrid localization techniques. Hybrid algorithms use a variety of sensors to measure the speed and direction of movement and integrate them with the absolute radio frequency localization. Indoor Geolocation Science and Technology is a multidisciplinary book that presents the fundamentals of opportunistic localization and navigation science and technology used in different platforms such as: smart devices, unmanned ground and flying vehicles, and existing cars operating as a part of intelligent transportation systems. Material presented in the book are beneficial for the Electrical and Computer Engineering, Computer Science, Robotics Engineering, Biomedical Engineering or other disciplines who are interested in integration of navigation into their multi-disciplinary projects. The book provides examples with supporting MATLAB codes and hands-on projects throughout to improve the ability of the readers to understand and implement variety of algorithms. It can be used for both

academic education, as a textbook with problem sets and projects, and the industrial training, as a practical reference book for professionals involved in design and performance evaluation. The author of this book has pioneering research experience and industrial exposure in design and performance evaluation of indoor geolocation based on empirical measurement and modeling of the behavior of the radio propagation in indoor areas and inside the human body. The presentation of the material is based on examples of research and development that his students have performed in his laboratory, his teaching experiences as a professor, and his experiences as a technical consultant to successful startup companies.

Data-Driven Modeling of Cyber-Physical Systems using Side-Channel Analysis

As more and more vulnerabilities are found in the Mac OS X (Leopard) operating system, security researchers are realizing the importance of developing proof-of-concept exploits for those vulnerabilities. This unique tome is the first book to uncover the flaws in the Mac OS X operating system—and how to deal with them. Written by two white hat hackers, this book is aimed at making vital information known so that you can find ways to secure your Mac OS X systems, and examines the sorts of attacks that are prevented by Leopard's security defenses, what attacks aren't, and how to best handle those weaknesses.

Indoor Geolocation Science and Technology

This easy-to-use, fast-moving tutorial introduces you to functional programming with Haskell. You'll learn how to use Haskell in a variety of practical ways, from short scripts to large and demanding applications. Real World Haskell takes you through the basics of functional programming at a brisk pace, and then helps you increase your understanding of Haskell in real-world issues like I/O, performance, dealing with data, concurrency, and more as you move through each chapter.

The Mac Hacker's Handbook

Most startups fail. But many of those failures are preventable. The Lean Startup is a new approach being adopted across the globe, changing the way companies are built and new products are launched. Eric Ries defines a startup as an organization dedicated to creating something new under conditions of extreme uncertainty. This is just as true for one person in a garage or a group of seasoned professionals in a Fortune 500 boardroom. What they have in common is a mission to penetrate that fog of uncertainty to discover a successful path to a sustainable business. The Lean Startup approach fosters companies that are both more capital efficient and that leverage human creativity more effectively. Inspired by lessons from lean manufacturing, it relies on “validated learning,” rapid scientific experimentation, as well as a number of counter-intuitive practices that shorten product

development cycles, measure actual progress without resorting to vanity metrics, and learn what customers really want. It enables a company to shift directions with agility, altering plans inch by inch, minute by minute. Rather than wasting time creating elaborate business plans, *The Lean Startup* offers entrepreneurs—in companies of all sizes—a way to test their vision continuously, to adapt and adjust before it's too late. Ries provides a scientific approach to creating and managing successful startups in a age when companies need to innovate more than ever.

Real World Haskell

This book explores the many engineering and architectural aspects of submarine design and how they relate to each other and the operational performance required of the vessel. Concepts of hydrodynamics, structure, powering and dynamics are explained, in addition to architectural considerations which bear on the submarine design process. The interplay between these aspects of design is given particular attention, and a final chapter is devoted to the generation of the concept design for the submarine as a whole. Submarine design makes extensive use of computer aids, and examples of algorithms used in concept design are given. The emphasis in the book is on providing engineering insight as well as an understanding of the intricacies of the submarine design process. It will serve as a text for students and as a reference manual for practising engineers and designers.

The Lean Startup

This book constitutes the refereed proceedings of the International Conference Eco-friendly Computing and Communication Systems, ICECCS 2012, held in Kochi, Kerala, India, in August 2012. The 50 revised full papers presented were carefully reviewed and selected from 133 submissions. The papers are organized in topical sections on energy efficient software system and applications; wireless communication systems; green energy technologies; image and signal processing; bioinformatics and emerging technologies; secure and reliable systems; mathematical modeling and scientific computing; pervasive computing and applications.

Concepts in Submarine Design

This book provides both the first comprehensive description of the phonology and phonetics of Standard Mongolian and the first account in any language of the historical phonology of the Mongolian group of languages.

Eco-friendly Computing and Communication Systems

Have you ever wanted to know how modern digital communications systems work? Find out with this step-by-step guide to building a complete digital radio that includes every element of a typical, real-world communication system. Chapter by chapter, you will create a MATLAB realization of the various pieces of the system, exploring the key ideas along the way, as well as analyzing and assessing the performance of each component. Then, in the final chapters, you will discover how all the parts fit together and interact as you build the complete receiver. In addition to coverage of crucial issues, such as timing, carrier recovery and equalization, the text contains over 400 practical exercises, providing invaluable preparation for industry, where wireless communications and software radio are becoming increasingly important. A variety of extra resources are also provided online, including lecture slides and a solutions manual for instructors.

The Phonology of Mongolian

The ways in which Internet traffic is managed have direct consequences on Internet users' rights as well as on their capability to compete on a level playing field. Network neutrality mandates to treat Internet traffic in a non-discriminatory fashion in order to maximise end users' freedom and safeguard an open Internet. This book is the result of a collective work aimed at providing deeper insight into what is network neutrality, how does it relates to human rights and free competition and how to properly frame this key issue through sustainable policies and regulations. The Net Neutrality Compendium stems from three years of discussions nurtured by the members of the Dynamic Coalition on Network Neutrality (DCNN), an open and multi-stakeholder group, established under the aegis of the United Nations Internet Governance Forum (IGF).

Software Receiver Design

Crusading Texas lawyer Mitchell Dutton is running for the U.S. Congress--and is a virtual shoo-in come November. But his opponent has different plans. The opposition nominee, Shakespeare Shakes McCann, is an almost total unknown--a dark horse candidate with no past and no principles who has come out of nowhere to challenge Mitch Dutton. There is no weakness McCann will not exploit, no secret he cannot expose. He will lie to reporters and newscasters, alter photographs and circulate fraudulent documents., If all else fails, he will resort to violence. And no one is safe--not Duttons friend, his colleagues, his beautiful, vulnerable wife. . .not even the leaders of McCanns own party. There is nothing the dark horse wont do to get elected. Now front-runner Dutton is running scared. Because Shakespeare McCann would kill to be congressman. . .

Net Neutrality Compendium

It started with fireballs raining down from the sky and crashing into the oceans deeps. Then ships began sinking mysteriously and later sea tanks emerged from the deeps to claim people . . . For journalists Mike and Phyllis Watson, what at first appears to be a curiosity becomes a global calamity. Helpless, they watch as humanity struggles to survive now that water - one of the compounds upon which life depends is turned against them. Finally, sea levels begin their inexorable rise . . . The Kraken Wakes is a brilliant novel of how humankind responds to the threat of its own extinction and, ultimately, asks what we are prepared to do in order to survive.

Chronyk

Scripted GUI Testing with Ruby is a practical, quick-moving tutorial based on real life, and real-world GUI applications. Right out of the gate you'll start working with code to drive a desktop GUI. You'll discover the kinds of gotchas and edge cases that don't exist in simple, toy programs. As you add more tests, you'll learn how to organize your test code and write lucid examples. The result is a series of "smoke tests" team will run on Continuous Integration servers. Next, we'll explore a variety of different testing tips and tricks. You'll employ a series of increasingly random and punishing test monkeys to try to crash programs. Table-driven techniques will show you how to check dozens of different input combinations. See how to use longer acceptance tests (in the form of stories) to represent the way a typical customer would use your program. The book uses examples from Windows, OS X, and cross-platform Java desktop programs as well as Web applications. You'll develop test scripts in Ruby; you don't need to be a Ruby expert, but basic comfort with the language will be helpful.

Dark Horse

As the sophistication of cyber-attacks increases, understanding how to defend critical infrastructure systems—energy production, water, gas, and other vital systems—becomes more important, and heavily mandated. Industrial Network Security, Second Edition arms you with the knowledge you need to understand the vulnerabilities of these distributed supervisory and control systems. The book examines the unique protocols and applications that are the foundation of industrial control systems, and provides clear guidelines for their protection. This how-to guide gives you thorough understanding of the unique challenges facing critical infrastructures, new guidelines and security measures for critical infrastructure protection, knowledge of new and evolving security tools, and pointers on SCADA protocols and security implementation. All-new real-world examples of attacks against control systems, and more diagrams of systems Expanded coverage of protocols such as 61850, Ethernet/IP, CIP, ISA-99, and the evolution to IEC62443 Expanded coverage of Smart Grid security New coverage of signature-based detection, exploit-based vs. vulnerability-based detection, and signature reverse engineering

The Kraken Wakes

Scripted GUI Testing with Ruby

https://uk.fulldoc.me/science/160926/332E9143G2/honda__eb-3500-service-manual.pdf
https://uk.fulldoc.me/pub/7680D0A/160926/did-senator_larry__campbell-reveal-the_true-sentiment-of_rcmp_about_missing_and-murdered-in_british-columbia.pdf
https://uk.fulldoc.me/lib/lc/25643CL846260916/microprocessor_8086-by_b-ram.pdf
https://uk.fulldoc.me/journal/ec/64C9E77987260916/lELY_240-optimo_parts-manual.pdf
https://uk.fulldoc.me/book/1321Z8C/8169Z0C573/the_rise-and_fall_of_the-horror_film.pdf
https://uk.fulldoc.me/journal/224939/L852X37/samsung_ps-42q7hd_plasma_tv_service_manual_download.pdf
https://uk.fulldoc.me/ref/224939/927DY85591/john_deere-2650_tractor-service-manual.pdf
https://uk.fulldoc.me/ppt/70G2D04/160926/honda_trx400ex_fourtrax__service_repair_manual_1999-2002.pdf
https://uk.fulldoc.me/pdf/98SL296128/83SL078/parent-child_relations_context_research_and_application_3rd_edition.pdf
https://uk.fulldoc.me/short/224939/H3404S7332/soviet_psychology_history_theory-and-content.pdf