

802 11ac 3x3 Dual Band Wireless Ruggedized Outdoor Access

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Internet of Things for Architects - Perry Lea
2018-01-22

Learn to design, implement and secure your IoT infrastructure Key Features Build a complete IoT

system that is the best fit for your organization
Learn about different concepts, technologies,
and tradeoffs in the IoT architectural stack
Understand the theory, concepts, and
implementation of each element that comprises
IoT design—from sensors to the cloud Implement
best practices to ensure the reliability,
scalability, robust communication systems,
security, and data analysis in your IoT
infrastructure Book Description The Internet of
Things (IoT) is the fastest growing technology
market. Industries are embracing IoT
technologies to improve operational expenses,
product life, and people's well-being. An
architectural guide is necessary if you want to
traverse the spectrum of technologies needed to
build a successful IoT system, whether that's a
single device or millions of devices. This book
encompasses the entire spectrum of IoT
solutions, from sensors to the cloud. We start by
examining modern sensor systems and focus on
their power and functionality. After that, we dive

deep into communication theory, paying close
attention to near-range PAN, including the new
Bluetooth® 5.0 specification and mesh
networks. Then, we explore IP-based
communication in LAN and WAN, including
802.11ah, 5G LTE cellular, SigFox, and
LoRaWAN. Next, we cover edge routing and
gateways and their role in fog computing, as
well as the messaging protocols of MQTT and
CoAP. With the data now in internet form, you'll
get an understanding of cloud and fog
architectures, including the OpenFog standards.
We wrap up the analytics portion of the book
with the application of statistical analysis,
complex event processing, and deep learning
models. Finally, we conclude by providing a
holistic view of the IoT security stack and the
anatomical details of IoT exploits while
countering them with software defined
perimeters and blockchains. What you will learn
Understand the role and scope of architecting a
successful IoT deployment, from sensors to the

cloud Scan the landscape of IoT technologies that span everything from sensors to the cloud and everything in between See the trade-offs in choices of protocols and communications in IoT deployments Build a repertoire of skills and the vernacular necessary to work in the IoT space Broaden your skills in multiple engineering domains necessary for the IoT architect Who this book is for This book is for architects, system designers, technologists, and technology managers who want to understand the IoT ecosphere, various technologies, and tradeoffs and develop a 50,000-foot view of IoT architecture.

College Mathematics for the Managerial, Life, and Social Sciences - Soo Tang Tan 2005
In COLLEGE MATHEMATICS FOR THE MANAGERIAL, LIFE, AND SOCIAL SCIENCES, Soo T. Tan provides an accessible yet accurate presentation of mathematics combined with just the right balance of applications, pedagogy, and technology to help students succeed in the

course. The new Sixth Edition includes highly interesting current applications and exercises to help stimulate student motivation. An exciting new array of supplements provides students with extensive learning support so instructors will have more time to focus on teaching core concepts.

Essential Introductory Linguistics - Grover Hudson 2000

This is a new kind of textbook for courses in introductory linguistics. It makes clear what is important or essential, and omits what is not. It is strictly selective, highly structured, focused, to-the-point and informative. It presents material in a way that mirrors the structure of a typical semester of teaching, and integrates many exercises into the text. In doing this it meets the need of the busy student who wants the text book to get straight to the point; and it suits the instructor looking for a textbook which not only identifies key material, but integrates it with numerous exercises, engaging the student in

active learning. The book organises, develops, integrates, and practices topics more thoroughly than other textbooks. Chapters are short, each corresponding, generally, to two typical class periods. They are organised in a very clear way, with numbered and labelled sections. They present information in lists and provide generous illustrative material. Each chapter concludes with an outline, a list of new concepts and terms, and with a set of short, often objective, exercises. Thus the book will serve both as a study guide and as a textbook for beginning students. Essential Introductory Linguistics is supported by an instructor's manual.

IoT and Edge Computing for Architects -

Perry Lea 2020-03-06

Learn to design, implement, and secure your IoT infrastructure. Revised and expanded for edge computing. Key Features Build a complete IoT system that's the best fit for your organization Learn about different concepts, tech, and trade-

offs in the IoT architectural stack Understand the theory and implementation of each element that comprises IoT design Book Description Industries are embracing IoT technologies to improve operational expenses, product life, and people's well-being. An architectural guide is needed if you want to traverse the spectrum of technologies needed to build a successful IoT system, whether that's a single device or millions of IoT devices. IoT and Edge Computing for Architects, Second Edition encompasses the entire spectrum of IoT solutions, from IoT sensors to the cloud. It examines modern sensor systems, focusing on their power and functionality. It also looks at communication theory, paying close attention to near-range PAN, including the new Bluetooth® 5.0 specification and mesh networks. Then, the book explores IP-based communication in LAN and WAN, including 802.11ah, 5G LTE cellular, Sigfox, and LoRaWAN. It also explains edge computing, routing and gateways, and their role

in fog computing, as well as the messaging protocols of MQTT 5.0 and CoAP. With the data now in internet form, you'll get an understanding of cloud and fog architectures, including the OpenFog standards. The book wraps up the analytics portion with the application of statistical analysis, complex event processing, and deep learning models. The book then concludes by providing a holistic view of IoT security, cryptography, and shell security in addition to software-defined perimeters and blockchains. What you will learn Understand the role and scope of architecting a successful IoT deployment Scan the landscape of IoT technologies, from sensors to the cloud and more See the trade-offs in choices of protocols and communications in IoT deployments Become familiar with the terminology needed to work in the IoT space Broaden your skills in the multiple engineering domains necessary for the IoT architect Implement best practices to ensure reliability, scalability, and security in your IoT

infrastructure Who this book is for This book is for architects, system designers, technologists, and technology managers who want to understand the IoT ecosphere, technologies, and trade-offs, and develop a 50,000-foot view of IoT architecture. An understanding of the architectural side of IoT is necessary.

Pediatric Cardiology - Walter H. Johnson
2014-02-03

Caring for children with heart disease is extremely complex, requiring a different and often tailor-made approach compared with adults with similar cardiac problems. Built on the success of previous editions and brought to you by a stellar author team, Pediatric Cardiology: The Essential Pocket Guide provides a unique, concise and extremely practical overview of heart disease in children. From history-taking, physical examination, ECG, and chest X-ray - the basics that enable clinicians to uncover possible problems and eliminate areas of false concern - it goes on to examine the

range of more complex topics in the diagnosis and treatment/management of childhood cardiovascular disease. New to this edition you'll find: An enhanced section on imaging including recent advances in cardiac MRI and fetal echocardiography. New techniques in genetic testing for heart disease in special populations. Much more emphasis on the importance of echocardiography in understanding the pathophysiology of congenital cardiac malformations. Expanded section on cardiac conditions in the neonate, specifically on prenatal diagnosis and management, neonatal screening for congenital heart disease, and hypoplastic left heart syndrome. Expanded and updated congestive cardiac failure section, including the latest in genetic and metabolic causes of heart failure, and medical/surgical treatment options; discussion of bridging therapies; essentials of transplantation, including common drug treatment regimens, clinical recognition of treatment complications

and rejection, outcomes, morbidity and survival. In addition, every chapter is fully updated with the very latest clinical guidelines and management options from the AHA, ACC and ESC. *Pediatric Cardiology: The Essential Pocket Guide*, 3rd edition, is quite simply a must-have guide for all members of the multidisciplinary team managing children suffering from heart disease.

Power System Stability - Edward Wilson
Kimbark 1983

30 Day Kick Start Plan - Joe Wicks 2020-11-26
Bringing motivation to the nation! Want to cook better, healthier food? Know what you should do, but don't know where to start? This 30-day plan from the nation's favourite PE teacher will help you create new habits, keep on track and feel brilliant inside and out. Food and fitness sensation Joe Wicks, aka the Body Coach, has helped millions of people to keep fit and cook healthy, simple recipes. He's back with his 30

Day Kick Start Plan to make it easier than ever before to make healthy food, lose weight and get more active. Inside are one hundred delicious, sustaining recipes and six brand-new HIIT workouts to help you get in shape. Combined with weekly plans that can help you prep like a boss, this approach is easy to personalize according to your own day-to-day habits and will help everyone kick start a healthier lifestyle without looking back. The man who kept the nation moving during lockdown, Joe has sold more than 3 million books in the UK alone. He has more than 4 million followers on social media, where fans share their journeys towards a leaner, fitter lifestyle. All of his books have been non-fiction number one bestsellers.

The Darkroom Cookbook - Steve Anshell
2012-09-10

The art of darkroom developing and printing will never go out of style. Master darkroom specialist Steve Anshell is back to prove it in this long-awaited third edition of his enormously

successful Darkroom Cookbook. Packed with over 200 "recipes," some common and others rare gems, you'll discover something new every time you open this guide, whether you're new to the darkroom or have been making your own prints for years. In addition to the formulas, you'll find tons of useful information on developers, push-processing, where to get darkroom equipment, how to set up your own darkroom, how to work and play in your darkroom safely, and much more. This handy guide will become a constant companion for every darkroom enthusiast creating prints at home or in the studio. In addition to complete updates throughout to reflect changes in the availability of chemicals and equipment, this third edition contains all new information on: *Reversal processing *Enlarged negatives *Pyro formulas *Plus expanded sections on printing, pyro, and toning prints Also included for the first time are special technique contributions as well as stunning black and white imagery by Bruce

Barnbaum, Rod Dresser, Jay Dusard, Patrick Gainer, Richard Garrod, Henry Gilpin, Gordon Hutchings, Sandy King, Les McLean, Saïd Nuseibeh, France Scully Osterman, Mark Osterman, Tim Rudman, Ryuijie, John Sexton, and John Wimberly. Be sure to visit www.darkroomcookbook.com to find useful links, an interactive user forum, and more! Steve Anchell is a photographer and author of The Variable Contrast Printing Manual, and co-author of The Film Developing Cookbook. He has been teaching darkroom and photography workshops since 1979. Steve is a member of the Freestyle Advisory Board of Photographic Professionals. "With its unrivalled collection of photographic formulae and easy to understand explanations of photographic processes, The Darkroom Cookbook has long been a favorite with darkroom workers everywhere. Now, with further additions to its formulary, more topics, and contributions by renowned darkroom experts, this new edition promises to be an

indispensable Aladdin's Cave resource to darkroom enthusiasts of all levels. -Tim Rudman, photographer and author "The Darkroom Cookbook is an essential compendium of photographic information for anyone interested in high-quality darkroom work. -John Sexton, photographer

Mathematical Applications for the Management, Life, and Social Sciences -

Ronald J. Harshbarger 2012-01-01
MATHEMATICAL APPLICATIONS FOR THE MANAGEMENT, LIFE, AND SOCIAL SCIENCES, 10th Edition, is intended for a two-semester applied calculus or combined finite mathematics and applied calculus course. The book's concept-based approach, multiple presentation methods, and interesting and relevant applications keep students who typically take the course--business, economics, life sciences, and social sciences majors--engaged in the material. This edition broadens the book's real-life context by adding a number of environmental science and economic

applications. The use of modeling has been expanded, with modeling problems now clearly labeled in the examples. Also included in the Tenth Edition is a brief review of algebra to prepare students with different backgrounds for the material in later chapters. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Wireless Network Deployments - Rajamani Ganesh 2000-06-30

This work concerns deployment of digital wireless networks. It first includes an overview of systems design and engineering integration. It then addresses deployment of CDMA networks, based on IS-95 standards. It also deals with the deployment of TDMA-based networks and wireless data networks.

Network Safety - EC-Council 2010-04-28

Network Safety is a diverse introductory networking book intended for anyone from the average home computer user to an office

professional to someone looking to develop a career in information security. This book covers topics such as optimizing resource utilization, sharing infrastructure and making the best of technology. Those looking to learn about an economical balance for networked resources, make the most of the internet and add convenience using technology will benefit from this book. Whether a reader wants to learn about secure banking online, safely accessing work through the internet, or using a computer system at home, Network Safety will keep you up-to-date in this networked world. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

802.11ac: A Survival Guide - Matthew S. Gast 2013-07-23

The next frontier for wireless LANs is 802.11ac, a standard that increases throughput beyond one gigabit per second. This concise guide provides in-depth information to help you plan

for 802.11ac, with technical details on design, network operations, deployment, and monitoring. Author Matthew Gast—an industry expert who led the development of 802.11-2012 and security task groups at the Wi-Fi Alliance—explains how 802.11ac will not only increase the speed of your network, but its capacity as well. Whether you need to serve more clients with your current level of throughput, or serve your existing client load with higher throughput, 802.11ac is the solution. This book gets you started. Understand how the 802.11ac protocol works to improve the speed and capacity of a wireless LAN Explore how beamforming increases speed capacity by improving link margin, and lays the foundation for multi-user MIMO Learn how multi-user MIMO increases capacity by enabling an AP to send data to multiple clients simultaneously Plan when and how to upgrade your network to 802.11ac by evaluating client devices, applications, and network connections

Housing, Land, and Property Rights in Post-Conflict United Nations and Other Peace Operations - Scott Leckie 2009

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

802.11n: A Survival Guide - Matthew S. Gast
2012-04-02

Wireless has finally come of age. With a significant jump in throughput over previous standards, 802.11n is the first wireless technology that doesn't trade speed for mobility, and users have stormed onto wireless networks with a passion. In this concise guide, Matthew Gast—chair of the IEEE group that produced revision 802.11-2012—shows you why wireless has become the default method of connecting to a network, and provides technical details you need to plan, design, and deploy 802.11n today. Building a network for the multitude of new devices is now a strategic decision for network engineers everywhere. This book gives you an

in-depth look at key parts of 802.11n, and shows you how to achieve an Ethernet-free wireless office. Learn how MIMO's multiple data streams greatly increase wireless speed Discover how 802.11n modifications improve MAC efficiency Examine advanced PHY features such as beamforming and space-time code block Use advanced MAC features to maintain interoperability with older devices Plan an 802.11n network by determining traffic demand, key applications, power requirements, and security Choose the architecture, select hardware, and plan coverage to design and build your network

The Hadley Werewolves - Shawntelle Madison
2013-11-25

Something deadly is coming for the werewolves who live in the desert town of Hadley... BITTEN BY DECEIT Alpha wolf Emma Parker is loyal to a fault, even if it means losing the love of her life when he's ousted from the pack. She's never stopped needing him, and when a black witch

curses the pack, she wonders if she'll even survive. It's a poison of the blood, and with each bite, the virus spreads, leaving the infected rabid and under the control of an evil Alpha. Kyle Benton is starting over. He's a lone wolf, betrayed by the only woman he's ever loved. Until Emma barges back into his life, as gorgeous and determined as ever. He's hell bent on resisting her, or at least making her suffer. But she needs him in a way that touches him to his very soul. Now he has to determine how to set her free, and if he can, how he can ever let her go. BITTEN BY TREACHERY It's not like Charly the witch wanted to betray the Hadley werewolves. Or infiltrate the pack. But it's the only way to save her mother and protect her coven from a dark evil. She's a witch in wolf's clothing - until an unfortunate bite forces her to become the one thing she detests the most. The last time a witch came to Hadley, she almost destroyed Trenton's pack. He won't let it happen again, especially now that this lone wolf is

feeling so drawn to a certain new girl in town. Charly is the most intriguing woman he's ever met, and he wants to know all about her. The passion between Charly and Trenton shocks them both, but can she trust him with her secret...and her heart? One thing is for certain: she has to tell him the truth soon - before it brings about the end of both Trenton and the innocent citizens of Hadley. BITTEN BY VENGEANCE Cursed witch Nevena wants nothing more than to destroy the dark evil that has escaped her coven's compound. She's outgunned and on her own--until a band of werewolves from Hadley join in the fight. Drew is a cop bent on protecting his pack. Hadley has been attacked again, leaving him bitter and determined to do what's right. He will help the witches bring down what drove them to Hadley, but he refuses to get close to them...Until the curse on Nevena sucks him in. Drew discovers what its like to love when Nevena traps both his heart and his soul. But he may lose them both in

order to bring down the dark evil determined to destroy everything in its path.

802.11 Wireless Networks: The Definitive Guide
- Matthew S. Gast 2005-04-25

As we all know by now, wireless networks offer many advantages over fixed (or wired) networks. Foremost on that list is mobility, since going wireless frees you from the tether of an Ethernet cable at a desk. But that's just the tip of the cable-free iceberg. Wireless networks are also more flexible, faster and easier for you to use, and more affordable to deploy and maintain. The de facto standard for wireless networking is the 802.11 protocol, which includes Wi-Fi (the wireless standard known as 802.11b) and its faster cousin, 802.11g. With easy-to-install 802.11 network hardware available everywhere you turn, the choice seems simple, and many people dive into wireless computing with less thought and planning than they'd give to a wired network. But it's wise to be familiar with both the capabilities and risks associated with the

802.11 protocols. And 802.11 Wireless Networks: The Definitive Guide, 2nd Edition is the perfect place to start. This updated edition covers everything you'll ever need to know about wireless technology. Designed with the system administrator or serious home user in mind, it's a no-nonsense guide for setting up 802.11 on Windows and Linux. Among the wide range of topics covered are discussions on: deployment considerations network monitoring and performance tuning wireless security issues how to use and select access points network monitoring essentials wireless card configuration security issues unique to wireless networks With wireless technology, the advantages to its users are indeed plentiful. Companies no longer have to deal with the hassle and expense of wiring buildings, and households with several computers can avoid fights over who's online. And now, with 802.11 Wireless Networks: The Definitive Guide, 2nd Edition, you can integrate wireless technology

into your current infrastructure with the utmost confidence.

Fundamentals of Electric Circuits - Charles K. Alexander 2012-12-06

Alexander and Sadiku's fifth edition of *Fundamentals of Electric Circuits* continues in the spirit of its successful previous editions, with the objective of presenting circuit analysis in a manner that is clearer, more interesting, and easier to understand than other, more traditional texts. Students are introduced to the sound, six-step problem solving methodology in chapter one, and are consistently made to apply and practice these steps in practice problems and homework problems throughout the text. A balance of theory, worked examples and extended examples, practice problems, and real-world applications, combined with over 468 new or changed homework problems for the fifth edition and robust media offerings, renders the fifth edition the most comprehensive and student-friendly approach to linear circuit

analysis. This edition retains the Design a Problem feature which helps students develop their design skills by having the student develop the question as well as the solution. There are over 100 Design a Problem exercises integrated into the problem sets in the book.

Complex, Intelligent and Software Intensive Systems - Leonard Barolli 2020-06-10

This book explores three interwoven and challenging areas of research and development for future ICT-enabled applications: software intensive systems, complex systems and intelligent systems. Software intensive systems are systems that extensively interact with other systems, sensors, actuators, devices and users. More and more domains are now employing software intensive systems, e.g. the automotive sector, telecommunication systems, embedded systems in general, industrial automation systems and business applications. Moreover, the outcome of web services offers a new platform for enabling software intensive

systems. Complex systems research is focused on the overall understanding of systems rather than their components. Complex systems are very much characterized by the changing environments in which they operate through their multiple internal and external interactions. They evolve and adapt through (internal and external) dynamic interactions. The development of intelligent systems and agents, which is increasingly characterized by the use of ontologies, can be beneficial for software intensive systems and complex systems alike. Accordingly, recent research in the areas of intelligent systems, robotics, neuroscience, artificial intelligence, and the cognitive sciences is essential to the future development of software intensive and complex systems. *A Mindful Year* - Aria Campbell-Danesh 2019-09-10

From two experts on the psychology of behavior change comes *A Mindful Year*, the first book of its kind to join the age-old wisdom of

mindfulness with cognitive behavioral science—the best-tested set of practices for alleviating stress and anxiety. At a time when there have never been more ways to connect with one another, it has also never been easier to lose track of the people and passions we hold most dear. The demands of the day can leave us feeling exhausted and uninspired, while alerts and notifications constantly tug at our attention. We fall into unhealthy patterns that can be all too difficult to break. Written from friend to friend, one day at a time, *A Mindful Year* invites you to start a new pattern—one that begins with taking just a few quiet moments to reconnect with what is most important, each day. As practical as it is inspirational, *A Mindful Year* marries moments of mindful reflection with calls to action—daily nuggets of wisdom paired with friendly encouragement to live in a way that is grounded, authentic, and compassionate. It's so easy to get caught up in the flood of everyday life, to become disconnected from the things that

really make us us—to get lost. Thankfully, simply being open and attentive to the present moment can help us find a sense of space and ease and get back on the right track. With *A Mindful Year* as your guide, reconnect with what matters most.

Air Fry Everything! - Meredith Laurence
2016-12

Fry With Air is the ultimate cookbook that will take your air fryer to the next level, creating quick food and meals that burst with flavor and color without the added calories and fat. Recipes include Cherry Chipotle Chicken Wings, Asian Glazed Meatballs, including Korean BBQ Pork, Parmesan Chicken Fingers, Fish and "Chips," Coconut Shrimp, Roasted Vegetable Stromboli, Fried Green Beans, Mini Molten Chocolate Cakes and Fried Banana S'mores, plus much more.

Proceedings of the First International Symposium on Cyclodextrins - J. Szejtli
2013-11-11

Cyclodextrins are gaining industrial interest owing to their particular structure. These cyclic amyloses are commonly composed of 6, 7 or 8 (named α -, β -, γ -CD) glucose units. They undergo complexation with quite a large number of substances by molecular inclusion. Their potential for industrial application is substantiated by their ability to protect fragile substances from oxygen and UV, to delay the evolution of volatiles and to aid the ancillary processing of dangerous or volatile substances in powdered form. Though α -, β - and γ -CD exhibit different inclusion specificity, β -CD has found more attention than the others. This is due to the fact that most of the cyclodextrin producing enzymes known produce predominantly β -CD. Furthermore β -CD is by far the least soluble form, leading to a relatively simple production and purification. Consequently β -CD is already in production on an industrial scale [~] while α - and γ -CD are still more or less regarded as specialties. A further CD-

producing enzyme has been found in the medium of *K. pneumoniae* [1], Since this CGT appeared to produce predominantly α -CD [~], it has been chosen to develop a process for the production of α -CD. MATERIALS AND METHODS Analysis of cyclodextrins: HPLC on Lichrosorb-NH . 10 μ m, with acetonitrile 2 water 65/35 per volume. Test for CGT activity: as described by Landert elsewhere in this Volume. Starch: potato starch as obtained from Blattmann, Wädenswil, Switzerland.

Fly Utah! - Galen L. Hanselman 2007-11-01

Ocean Crossing Wayfarer - Frank Dye
2008-04-16

This classic sea story recounts Frank Dye's intrepid voyages in his open 16ft Wayfarer Dinghy to Iceland and Norway, which must rank among the most hazardous sea adventures of our time. Encountering the gamut of weather, such is Frank Dye's seamanship that he and his crew survived gales of up to force 9, capsizing, and a

broken mast, finally arriving to a safe Scandinavian welcome. It is a hair-raising unforgettable narrative in which we glimpse Frank's gifted boat-handling skills and his instinct for survival.

13th International Conference on Computational Intelligence in Security for Information Systems (CISIS 2020) - 2021

This book contains accepted papers presented at CISIS 2020 held in the beautiful and historic city of Burgos (Spain), in September 2020. The aim of the CISIS 2020 conference is to offer a meeting opportunity for academic and industry-related researchers belonging to the various, vast communities of computational intelligence, information security, and data mining. The need for intelligent, flexible behaviour by large, complex systems, especially in mission-critical domains, is intended to be the catalyst and the aggregation stimulus for the overall event. After a thorough peer-review process, the CISIS 2020 International Program Committee selected 43

papers which are published in these conference proceedings achieving an acceptance rate of 28%. Due to the COVID-19 outbreak, the CISIS 2020 edition was blended, combining on-site and on-line participation. In this relevant edition, a special emphasis was put on the organization of five special sessions related to relevant topics as Fake News Detection and Prevention, Mathematical Methods and Models in Cybersecurity, Measurements for a Dynamic Cyber-Risk Assessment, Cybersecurity in a Hybrid Quantum World, Anomaly/Intrusion Detection, and From the least to the least: cryptographic and data analytics solutions to fulfil least minimum privilege and endorse least minimum effort in information systems. The selection of papers was extremely rigorous in order to maintain the high quality of the conference and we would like to thank the members of the Program Committees for their hard work in the reviewing process. This is a crucial process to the creation of a high

standard conference, and the CISIS conference would not exist without their help.

Teach Me to Love - Denise Brennan-Nelson
2014-08-01

"Rhyming text paired with photos of adult and baby animals demonstrate playful ways parents teach their offspring to hop, fly, run, swim, and more"--

Acoustic Emission - Sotirios J. Vahaviolos 1999
Sixteen papers originally presented at the symposium of the same name held on January 22-23, 1998 explore the use of acoustic emission (AE) for the location and evaluation of materials strengths and faults in a variety of industrial applications. Specific topics include the characterization of focal

Down River - John Hart 2007-10-02
Down River is the winner of the 2008 Edgar Award for Best Novel. Everything that shaped him happened near that river.... Now its banks are filled with lies and greed, shame, and murder.... John Hart's debut, The King of Lies,

was compelling and lyrical, with Janet Maslin of The New York Times declaring, "There hasn't been a thriller as showily literate since Scott Turow came along." Now, in Down River, Hart makes a scorching return to Rowan County, where he drives his characters to the edge, explores the dark side of human nature, and questions the fundamental power of forgiveness. Adam has a violent streak, and not without reason. As a boy, he saw things that no child should see, suffered wounds that cut to the core and scarred thin. The trauma left him passionate and misunderstood--a fighter. After being narrowly acquitted of a murder charge, Adam is hounded out of the only home he's ever known, exiled for a sin he did not commit. For five long years he disappears, fades into the faceless gray of New York City. Now he's back and nobody knows why, not his family or the cops, not the enemies he left behind. But Adam has his reasons. Within hours of his return, he is beaten and accosted, confronted by his family and the

women he still holds dear. No one knows what to make of Adam's return, but when bodies start turning up, the small town rises against him and Adam again finds himself embroiled in the fight of his life, not just to prove his own innocence, but to reclaim the only life he's ever wanted. Bestselling author John Hart holds nothing back as he strips his characters bare. Secrets explode, emotions tear, and more than one person crosses the brink into deadly behavior as he examines the lengths to which people will go for money, family, and revenge. A powerful, heart-pounding thriller, *Down River* will haunt your thoughts long after the last page is turned. Praise for John Hart and *The King of Lies* "Treat yourself to something new and truly out of the ordinary." ---Rocky Mountain News "A top-notch debut. Hart's prose is like Raymond Chandler's, angular and hard." --Entertainment Weekly (grade A) "A gripping performance." ---People magazine "A marriage of carefully crafted prose alongside have-to-keep-reading suspense." ---The

Denver Post "A masterful piece of writing." ---The News & Observer (Raleigh, NC) "A gripping mystery/thriller and a fully fleshed, thoughtful work of literature." --Winston-Salem Journal "The King of Lies moves and reads like a book on fire." ---Pat Conroy "John Hart's debut . . . is that most engrossing of rarities, a well-plotted mystery novel that is written in a beautifully poetic style." ---Mark Childress, author of *Crazy in Alabama* "Grisham-style intrigue and Turow-style brooding." ---The New York Times Now with an excerpt from John Hart's next book *The Hush*, available in February 2018.

Unstoppable - Yanni Raz 2016-06-09

Unstoppable is a word defined as "difficult or impossible to preclude or stop." As a human quality, it is something that we associate with people such as sports superstars, those who do whatever it takes to inspire others and lead teams to the greatest of victories. Sometimes, an idea or person can become unstoppable. Unstoppable, like Charles Lindbergh crossing

the Atlantic in a solo flight when no one had thought it was possible, or track star Roger Bannister breaking the four-minute mile barrier. Not everyone can be an explorer or a great athlete, but anyone can be unstoppable in their chosen endeavors in life. If you are willing to possess an unwavering determination to succeed and a consistent willingness to learn and evolve, you can become unstoppable and triumph too. This book is about a personal struggle, one in which the author awoke from a coma after a terrible accident and faced a life of permanent paralysis. A long battle of driven determination resulted in Yanni Raz regaining his health and becoming a self-made millionaire after migrating from his native Israel to the United States. Through careers as a musician, a Starbucks barista, a salesman, a real estate whiz, a professional poker player and a hard money lender, Yanni learned reliable principles and the skills necessary for success. Unstoppable covers many topics including controlling your life,

making the best decisions, creating new opportunities, properly assessing signals, expertly negotiating, and succeeding by storytelling across the media landscape. You'll learn about integrity in business, asset diversification, and many other life tips that thousands of people learn from Yanni on a daily basis. It is time to become fearless and lead a powerful life. With Yanni's new book *Unstoppable*, you can do just that.

Optimizing Network Traffic - Microsoft Corporation 1998-10

Optimizing Network Traffic is a valuable technical resource that outlines the best practices for managing enterprise-scale network traffic on a Microsoft Windows NT Server 4.0 network. Based on the real-world experiences and projects of Microsoft Consulting Services (MCS), this guide helps IT professionals plan, increase, and manage network communications systemwide. Referring to *Optimizing Network Traffic* is like having an MCS consultant right

there to help you determine the best approach to your network traffic needs. You'll learn how other organizations have wrestled with and resolved similar issues in capturing, benchmarking, and analyzing network traffic data to resolve systemwide problems and scalability issues.

Superman by Mark Millar - Mark Millar
2018-06-05

Before his groundbreaking work on such legendary titles as Superman: Red Son, The Authority, Civil War and Wolverine: Old Man Logan, and his hit original titles Kick-Ass, Wanted and Kingsman: The Secret Service, the New York Times best-selling writer Mark Millar tackled one of DC's greatest heroes: Superman! This collection brings together timeless tales of the Man of Steel, from Superman's good-bye to Earth to Lois Lane's personal account of a life forever changed by the Big Blue Boy Scout. Explore the heart of Superman, and the root of Lex Luthor's obsession with him, in stories from

Millar's Eisner-nominated run on Superman Adventures. Plus, reimagine the Man of Tomorrow, in a world where Detective Harvey Dent undergoes a metamorphosis from man to Superman. Superman by Mark Millar features art by Aluir Amancio (The Spirit), Georges Jeanty (Buffy the Vampire Slayer: Season Eight), Jackson Guice (Superman: The Death of Superman), Mike Manley (Batman), Sean Phillips (Sleeper), Mike Wieringo (The Flash) and more. Collects the greatest of Millar's earliest work on Superman: Team Superman #1, Tangent Comics: The Superman #1, Superman Adventures #19, #25-27, #30, #31, #36, #52 and stories from Superman 80-Page Giant #2 and DC One Million 80-Page Giant #1,000,000.

[Cylons in America](#) - Tiffany Potter 2008-01-01
With its fourth season due to air in January 2008, the award-winning Battlestar Galactica continues to be exceptionally popular for non-network television, combining the familiar features of science fiction with direct

commentary on life in mainstream America. *Cylons in America* is the first collection of critical studies of *Battlestar Galactica* (its 2003 miniseries, and the ongoing 2004 television series), examining its place within popular culture and its engagement with contemporary American society. *Battlestar Galactica* depicts the remnants of the human race fleeing across space from a robotic enemy called the Cylons. The fleet is protected by a single warship, the *Battlestar*, and is searching for a "lost colony" that settled on the legendary planet "Earth." Originally a television series in the 1970s, the current series maintains the mythic sense established with the earlier quest narrative, but adds elements of hard science and aggressive engagement with post-9/11 American politics. *Cylons In America* casts a critical eye on the revived series and is sure to appeal to fans of the show, as well as to scholars and researchers of contemporary television.

Differential and Integral Calculus - Virgil Snyder

2009-04

Many of the earliest books, particularly those dating back to the 1900s and before, are now extremely scarce and increasingly expensive. We are republishing these classic works in affordable, high quality, modern editions, using the original text and artwork.

[Thailand Chic](#) - Chami Jotisalikor 2008

[IPv6 Deployment Guide](#) - 6net 2008

IPv6 is replacing IPv4 to dominate the networking world. This deployment guide will enable you to fully harness the power of IPv6. A "Must have" reference for IT/Networking professionals and students!

[Schaum's Outline of Theory and Problems of Basic Circuit Analysis](#) - John O'Malley 1982
Confusing Textbooks? Missed Lectures? Not Enough Time?. . Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams.

Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. . . This Schaum's Outline gives you. . Practice problems with full explanations that reinforce knowledge. Coverage of the most up-to-date developments in your course field. In-depth review of practices and applications. . . Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores!. . Schaum's Outlines-Problem Solved.. . .

Complex, Intelligent and Software Intensive Systems - Leonard Barolli 2021-06-30

This book includes the proceedings of the 15th International Conference on Complex, Intelligent, and Software Intensive Systems, which took place in Asan, Korea, on July 1-3, 2021. Software intensive systems are systems,

which heavily interact with other systems, sensors, actuators, devices, and other software systems and users. More and more domains are involved with software intensive systems, e.g., automotive, telecommunication systems, embedded systems in general, industrial automation systems, and business applications. Moreover, the outcome of web services delivers a new platform for enabling software intensive systems. Complex systems research is focused on the overall understanding of systems rather than its components. Complex systems are very much characterized by the changing environments in which they act by their multiple internal and external interactions. They evolve and adapt through internal and external dynamic interactions. The development of intelligent systems and agents, which is each time more characterized by the use of ontologies and their logical foundations build a fruitful impulse for both software intensive systems and complex systems. Recent research in the field of

intelligent systems, robotics, neuroscience, artificial intelligence, and cognitive sciences is very important factor for the future development and innovation of software intensive and complex systems. The aim of the book is to deliver a platform of scientific interaction between the three interwoven challenging areas of research and development of future ICT-enabled applications: Software intensive systems, complex systems, and intelligent

systems.

Low Complexity MIMO Detection - Lin Bai

2012-01-07

Low Complexity MIMO Detection introduces the principle of MIMO systems and signal detection via MIMO channels. This book systematically introduces the symbol detection in MIMO systems. Includes the fundamental knowledge of MIMO detection and recent research outcomes for low complexity MIMO detection.