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ERDA Energy Research Abstracts - United States. Energy Research and Development Administration. Technical Information Center 1977

Pro WCF 4 - Nishith Pathak 2011-08-28

Pro WCF 4.0: Practical Microsoft SOA Implementation is a complete guide to Windows Communication Foundation from the service-oriented architecture (SOA) perspective, showing you why WCF is important to service-oriented architecture and development. This book provides deep insight into the functionality of WCF, which shipped with .NET 4.0-like service discovery, routing service, simplified configuration, and other advanced features. Included in this title are informative examples that will aid the reader in understanding and implementing these important additions. This book also covers the unified programming model, reliable messaging, security, and the peer-to-peer programming model. You'll also learn how to move your current .NET remoting and web service applications to WCF, and how to integrate those applications with WCF 4. This book offers genuine

insight into solving real enterprise problems using WCF and .NET 4.0.

**Marijuana and Medicine** - Institute of Medicine  
1999-07-10

The medical use of marijuana is surrounded by a cloud of social, political, and religious controversy, which obscures the facts that should be considered in the debate. This book summarizes what we know about marijuana from evidence-based medicine—the harm it may do and the relief it may bring to patients. The book helps the reader understand not only what science has to say about medical marijuana but also the logic behind the scientific conclusions. Marijuana and Medicine addresses the science base and the therapeutic effects of marijuana use for medical conditions such as glaucoma and multiple sclerosis. It covers marijuana's mechanism of action, acute and chronic effects on health and behavior, potential adverse effects, efficacy of different delivery systems, analysis of the data about marijuana as a gateway drug, and the prospects for developing cannabinoid drugs. The book evaluates how

well marijuana meets accepted standards for medicine and considers the conclusions of other blue-ribbon panels. Full of useful facts, this volume will be important to anyone interested in informed debate about the medical use of marijuana: advocates and opponents as well as policymakers, regulators, and health care providers.

**Railway Signaling and Communications** - 1939

.NET Design Patterns - Praseed Pai 2017-01-31

Explore the world of .NET design patterns and bring the benefits that the right patterns can offer to your toolkit today About This Book Dive into the powerful fundamentals of .NET framework for software development The code is explained piece by piece and the application of the pattern is also showcased. This fast-paced guide shows you how to implement the patterns into your existing applications Who This Book Is For This book is for those with familiarity with .NET development who would like to take their skills to the next level and be in the driver's seat when it comes to modern development techniques. Basic object-oriented C# programming experience and an elementary familiarity with the .NET framework library is required. What You Will Learn Put patterns and pattern catalogs into the right perspective Apply patterns for software development under C#/.NET Use GoF and other patterns in real-life development scenarios Be able to enrich your design vocabulary and well articulate your design thoughts Leverage object/functional programming by mixing OOP and FP Understand the reactive programming model using Rx and RxJs Writing compositional code using C# LINQ constructs Be able to implement concurrent/parallel programming techniques using idioms under .NET Avoiding pitfalls when creating compositional, readable, and maintainable

code using imperative, functional, and reactive code. In Detail Knowing about design patterns enables developers to improve their code base, promoting code reuse and making their design more robust. This book focuses on the practical aspects of programming in .NET. You will learn about some of the relevant design patterns (and their application) that are most widely used. We start with classic object-oriented programming (OOP) techniques, evaluate parallel programming and concurrency models, enhance implementations by mixing OOP and functional programming, and finally to the reactive programming model where functional programming and OOP are used in synergy to write better code. Throughout this book, we'll show you how to deal with architecture/design techniques, GoF patterns, relevant patterns from other catalogs, functional programming, and reactive programming techniques. After reading this book, you will be able to convincingly leverage these design patterns (factory pattern, builder pattern, prototype pattern, adapter pattern, facade pattern, decorator pattern, observer pattern and so on) for your programs. You will also be able to write fluid functional code in .NET that would leverage concurrency and parallelism! Style and approach This tutorial-based book takes a step-by-step approach. It covers the major patterns and explains them in a detailed manner along with code examples.

**Ideas, Concepts, Doctrine** - Robert Frank Futrell 1989 In this first of a two-volume study, Dr. Futrell presents a chronological survey of the development of Air Force doctrine and thinking from the beginnings of powered flight to the onset of the space age. He outlines the struggle of early aviation enthusiasts to gain acceptance of the airplane as a weapon and win

combat-arm status for the Army Air Service (later the Army Air Corps and Army Air Force). He surveys the development of airpower doctrine during the 1930s and World War II and outlines the emergence of the autonomous US Air Force in the postwar period. Futrell brings this first volume to a close with discussions of the changes in Air Force thinking and doctrine necessitated by the emergence of the intercontinental missile, the beginnings of space exploration and weapon systems, and the growing threat of limited conflicts resulting from the Communist challenge of wars of liberation. In volume two, the author traces the new directions that Air Force strategy, policies, and thinking took during the Kennedy administration, the Vietnam War, and the post-Vietnam period. Futrell outlines how the Air Force struggled with President Kennedy's redefinition of national security policy and Robert S. McNamara's managerial style as secretary of defense. He describes how the Air Force argued that airpower should be used during the war in Southeast Asia. He chronicles the evolution of doctrine and organization regarding strategic, tactical, and airlift capabilities and the impact that the aerospace environment and technology had on Air Force thinking and doctrine.

Power System Stability and Control - Leonard L. Grigsby  
2017-12-19

With contributions from worldwide leaders in the field, Power System Stability and Control, Third Edition (part of the five-volume set, The Electric Power Engineering Handbook) updates coverage of recent developments and rapid technological growth in essential aspects of power systems. Edited by L.L. Grigsby, a respected and accomplished authority in power engineering, and section

editors Miroslav Begovic, Prabha Kundur, and Bruce Wollenberg, this reference presents substantially new and revised content. Topics covered include: Power System Protection Power System Dynamics and Stability Power System Operation and Control This book provides a simplified overview of advances in international standards, practices, and technologies, such as small signal stability and power system oscillations, power system stability controls, and dynamic modeling of power systems. This resource will help readers achieve safe, economical, high-quality power delivery in a dynamic and demanding environment. With five new and 10 fully revised chapters, the book supplies a high level of detail and, more importantly, a tutorial style of writing and use of photographs and graphics to help the reader understand the material. New Chapters Cover: Systems Aspects of Large Blackouts Wide-Area Monitoring and Situational Awareness Assessment of Power System Stability and Dynamic Security Performance Wind Power Integration in Power Systems FACTS Devices A volume in the Electric Power Engineering Handbook, Third Edition. Other volumes in the set: K12642 Electric Power Generation, Transmission, and Distribution, Third Edition (ISBN: 9781439856284) K12648 Power Systems, Third Edition (ISBN: 9781439856338) K12650 Electric Power Substations Engineering, Third Edition (9781439856383) K12643 Electric Power Transformer Engineering, Third Edition (9781439856291)

**Scientific Evidence for Musculoskeletal, Bariatric, and Sports Nutrition** - Ingrid Kohlstadt 2006-01-26  
Nutrition has long been the missing ingredient in the treatment of the various musculoskeletal conditions seen daily by the health professionals. The often-stated reason for giving nutrition short shrift is the lack of

evidence. Responding to this need, Scientific Evidence for Musculoskeletal, Bariatric, and Sports Nutrition provides clinicians with

**Microservice by examples using .NET Core** - Pujarini Mohapatra, Biswa 2019-01-24

This book predominately covers Microservices architecture with real-world example which can help professionals with ease of adoption of this technology. Following the trend of modularity in real world, the idea behind Microservice by Examples is to allow developers to build their applications from various independent components which can be easily changed, removed or upgraded. Also, it is relevant now because of enterprises are moving towards DevOps/ Modernization, this book will emphasize on containers and Dockers as well.

Writing Bids and Funding Applications - Jane Dorner 2004  
Includes practical advice and tips on how to write bids, proposals, and funding applications for both individuals and small businesses. This illustrated guide is divided into two sections providing both information on how to prepare and write bids and proposals, together with useful resources, checklists and worksheets to aid the writer.

**Proceedings of the American Power Conference** - 1988

**Clean Architecture** - Robert C. Martin 2017-09-12  
Practical Software Architecture Solutions from the Legendary Robert C. Martin ("Uncle Bob") By applying universal rules of software architecture, you can dramatically improve developer productivity throughout the life of any software system. Now, building upon the success of his best-selling books Clean Code and The Clean Coder, legendary software craftsman Robert C.

Martin ("Uncle Bob") reveals those rules and helps you apply them. Martin's Clean Architecture doesn't merely present options. Drawing on over a half-century of experience in software environments of every imaginable type, Martin tells you what choices to make and why they are critical to your success. As you've come to expect from Uncle Bob, this book is packed with direct, no-nonsense solutions for the real challenges you'll face—the ones that will make or break your projects. Learn what software architects need to achieve—and core disciplines and practices for achieving it Master essential software design principles for addressing function, component separation, and data management See how programming paradigms impose discipline by restricting what developers can do Understand what's critically important and what's merely a "detail" Implement optimal, high-level structures for web, database, thick-client, console, and embedded applications Define appropriate boundaries and layers, and organize components and services See why designs and architectures go wrong, and how to prevent (or fix) these failures Clean Architecture is essential reading for every current or aspiring software architect, systems analyst, system designer, and software manager—and for every programmer who must execute someone else's designs. Register your product for convenient access to downloads, updates, and/or corrections as they become available.

Managers as Designers in the Public Services - David Wastell 2011-09-07

In Managers as Designers in the Public Services, he draws startling parallels between our expectations of IT solutions in the public sector and the expectations of Melanesian canoe-builders who use bunches of grass to

drive heaviness and slowness out of their boats. He then uses detailed examples and case studies from the UK and USA to show just how misplaced has been our reliance on IT-based 'solutions' to public sector problems. But this book is much more than an informed and devastating critique of the UK's Integrated Children's System, US educational reform and the high-profile failure of the London Ambulance Service. David Wastell goes on to develop and apply the principles of Systems Thinking and Design Thinking to show how we need a 'design revolution' in the public services. Rather than monitoring, measuring and controlling, public sector managers need to see themselves as designers, whose job it is to reshape work systems and the whole workplace. He then uses two further case studies to give concrete examples of Design Thinking in action, with highly positive outcomes from design-based approaches to IT innovation. David Wastell calls our continuing (and unwarranted) faith in imposed, computer-based solutions 'technomagic'.

*MITRE Systems Engineering Guide* - 2012-06-05

Appendices. B, C, and D - United States. Congress. Senate. Committee on Labor and Public Welfare. Subcommittee on Labor 1972

**Entec Directory Of Environmental Technology European Edition** - Kogan Page 1993-05-21

The Entec Directory of Environmental Technology, European Edition is the only comprehensive reference to cover producers and users of goods and services in these areas of environmental concern: Water Air Solid waste Hazardous waste Noise vibration Energy Information, including up-to-date names and addresses, is featured

for more than 20,000 companies from the 20 countries of Western Europe. Thousands of products, processes, and services have been categorized under 865 specific products and service groups. Never before has such a massive reference to European environmental goods and services been compiled. The book will be invaluable to anyone in government, industry, science and education, or the professional arena who would like to utilize European environmental technology.

*Build Your Own Security Lab* - Michael Gregg 2010-08-13

If your job is to design or implement IT security solutions or if you're studying for any security certification, this is the how-to guide you've been looking for. Here's how to assess your needs, gather the tools, and create a controlled environment in which you can experiment, test, and develop the solutions that work. With liberal examples from real-world scenarios, it tells you exactly how to implement a strategy to secure your systems now and in the future. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Risk Based Assessment of Subsynchronous Resonance in AC/DC Systems - Atia Adrees 2016-10-04

This relevant and timely thesis presents the pioneering use of risk-based assessment tools to analyse the interaction between electrical and mechanical systems in mixed AC/DC power networks at subsynchronous frequencies. It also discusses assessing the effect of uncertainties in the mechanical parameters of a turbine generator on SSR in a meshed network with both symmetrical and asymmetrical compensation systems. The research presented has resulted in 12 publications including three top international journal papers (IEEE Transactions on Power Systems) and nine international

conference publications, including two award-winning papers.

Particle Image Velocimetry: Recent Improvements - Michel Stanislas 2011-06-28

The Particle Image Velocimetry (PIV) measurement technique has undergone a strong development in the last 10 years. This book presents the proceedings of an international workshop held in Zaragoza, Spain on March 31st and April 1st, 2003 containing contributions from worldwide leading teams in the development of the PIV method. Most of these papers have been funded by the EC via the European EUROPIV 2 consortium to improve the performances of this measurement technique toward applications in the European Aeronautical industry, including results which are of strong interest for the worldwide community in Fluid Dynamics.

**Rise of the Warrior Cop** - Radley Balko 2021-06-01

This groundbreaking history of how American police forces have been militarized is now revised and updated. Newly added material brings the story through 2020, including analysis of the Ferguson protests, the Obama and Trump administrations, and the George Floyd protests. The last days of colonialism taught America's revolutionaries that soldiers in the streets bring conflict and tyranny. As a result, our country has generally worked to keep the military out of law enforcement. But over the last two centuries, America's cops have increasingly come to resemble ground troops. The consequences have been dire: the home is no longer a place of sanctuary, the Fourth Amendment has been gutted, and police today have been conditioned to see the citizens they serve as enemies. In *Rise of the Warrior Cop*, Balko shows how politicians' ill-considered policies and relentless declarations of war against

vague enemies like crime, drugs, and terror have blurred the distinction between cop and soldier. His fascinating, frightening narrative that spans from America's earliest days through today shows how a creeping battlefield mentality has isolated and alienated American police officers and put them on a collision course with the values of a free society.

*Thyristor-Based FACTS Controllers for Electrical Transmission Systems* - R. Mohan Mathur 2002-02-27

An important new resource for the international utility market Over the past two decades, static reactive power compensators have evolved into a mature technology and become an integral part of modern electrical power systems. They are one of the key devices in flexible AC transmission systems (FACTS). Coordination of static compensators with other controllable FACTS devices promises not only tremendously enhanced power system controllability, but also the extension of power transfer capability of existing transmission corridors to near their thermal capacities, thus delaying or even curtailing the need to invest in new transmission facilities. Offering both an in-depth presentation of theoretical concepts and practical applications pertaining to these power compensators, *Thyristor-Based FACTS Controllers for Electrical Transmission Systems* fills the need for an appropriate text on this emerging technology. Replete with examples and case studies on control design and performance, the book provides an important resource for both students and engineers working in the field.

**Building ERP Solutions with Microsoft Dynamics NAV** - Stefano Demiliani 2017-03-22

Create real-world enterprise solutions with NAV, Cloud, and the Microsoft stack About This Book Integrate NAV

with various offerings of the Microsoft stack to create enterprise-ready and service-oriented solutions Use Power BI and Universal Windows Platform for effective data analysis and real-time tracking with NAV Discover the services offered by Microsoft Azure and implement them in different industries using real-world case scenarios Who This Book Is For This book is for NAV developers and solution architects who need to implement real-world enterprise solutions based on Microsoft Dynamics NAV. Knowledge of the NAV programming language (C/AL) and C# language is recommended. Knowledge of ASP.NET and Visual Studio development would help, but is not necessary. What You Will Learn Configure NAV Web Services and create external applications with Visual Studio, .NET, and .NET Core Solve technical architectural problems by implementing enterprise solutions with NAV Develop applications and solutions with Microsoft Dynamics NAV and the Microsoft technology stack Create a Power BI dashboard for rich reporting and NAV data analysis Find out how to transmit your device location from a UWP application to NAV in order to implement a distributed solution for managing couriers in a sales company Make the most of Microsoft Azure and its services Create enterprise solutions with NAV by using Azure App Service Use Azure Service Bus for managing distributed NAV applications In Detail Implementing Microsoft Dynamics NAV in the real world often requires you to integrate the ERP with external applications or solve complex architectural tasks in order to have a final successful project. This book will show you how to extend a Microsoft Dynamics NAV installation to the enterprise world in a practical way. The book starts with an introduction to Microsoft Dynamics NAV architecture and then moves on to advanced

topics related to implementing real-world solutions based on NAV and external applications. You will learn how an enterprise distributed architecture with NAV at the core can be implemented. Through a series of real-world cases on every topic and every industry (sales, retail, manufacturing, distribution, healthcare, and so on), you'll see step by step how to efficiently solve a technical problem. These common problems encountered in a NAV implementation will be solved using the entire technology stack that Microsoft offers. By the end of the book, you will have the knowledge to efficiently solve certain scenarios, you will know which is the best solution architecture to propose to a customer and how to implement it. Style and approach Taking you through a variety of real-world use cases, the book will show you step by step all you need to know to tackle these problems and give you creative ideas to implement in related problems you might come across in the real world.

**Vibrant and Healthy Kids** - National Academies of Sciences, Engineering, and Medicine 2019-12-27 Children are the foundation of the United States, and supporting them is a key component of building a successful future. However, millions of children face health inequities that compromise their development, well-being, and long-term outcomes, despite substantial scientific evidence about how those adversities contribute to poor health. Advancements in neurobiological and socio-behavioral science show that critical biological systems develop in the prenatal through early childhood periods, and neurobiological development is extremely responsive to environmental influences during these stages. Consequently, social, economic, cultural, and environmental factors

significantly affect a child's health ecosystem and ability to thrive throughout adulthood. *Vibrant and Healthy Kids: Aligning Science, Practice, and Policy to Advance Health Equity* builds upon and updates research from *Communities in Action: Pathways to Health Equity* (2017) and *From Neurons to Neighborhoods: The Science of Early Childhood Development* (2000). This report provides a brief overview of stressors that affect childhood development and health, a framework for applying current brain and development science to the real world, a roadmap for implementing tailored interventions, and recommendations about improving systems to better align with our understanding of the significant impact of health equity.

#### **Windows Server 2019 & PowerShell All-in-One For Dummies**

- Sara Perrott 2019-04-11

Your one-stop reference for Windows Server 2019 and PowerShell know-how *Windows Server 2019 & PowerShell All-in-One For Dummies* offers a single reference to help you build and expand your knowledge of all things Windows Server, including the all-important PowerShell framework. Written by an information security pro and professor who trains aspiring system administrators, this book covers the broad range of topics a system administrator needs to know to run Windows Server 2019, including how to install, configure, and secure a system. This book includes coverage of: Installing & Setting Up Windows Server Configuring Windows Server 2019 Administering Windows Server 2019 Configuring Networking Managing Security Working with Windows PowerShell Installing and Administering Hyper-V Installing, Configuring, and Using Containers If you're a budding or experienced system administrator looking to build or expand your knowledge of Windows Server, this

book has you covered.

*Natural Product Biosynthesis* - Christopher T. Walsh  
2017-04-28

This textbook describes the types of natural products, the biosynthetic pathways that enable the production of these molecules, and an update on the discovery of novel products in the post-genomic era.

*Electrical Engineering* - 1956

Vols. for 1931-46 include the preprints of the *Transactions of the American Institute of Electrical Engineers*, ISSN 0096-3860.

*Cloud Data Design, Orchestration, and Management Using Microsoft Azure* - Francesco Diaz 2018-06-28

Use Microsoft Azure to optimally design your data solutions and save time and money. Scenarios are presented covering analysis, design, integration, monitoring, and derivatives. This book is about data and provides you with a wide range of possibilities to implement a data solution on Azure, from hybrid cloud to PaaS services. Migration from existing solutions is presented in detail. Alternatives and their scope are discussed. Five of six chapters explore PaaS, while one focuses on SQL Server features for cloud and relates to hybrid cloud and IaaS functionalities. What You'll Learn Know the Azure services useful to implement a data solution Match the products/services used to your specific needs Fit relational databases efficiently into data design Understand how to work with any type of data using Azure hybrid and public cloud features Use non-relational alternatives to solve even complex requirements Orchestrate data movement using Azure services Approach analysis and manipulation according to the data life cycle Who This Book Is For Software developers and professionals with a good data design



background and basic development skills who want to learn how to implement a solution using Azure data services

*Briggs* - Barry Briggs 2016-01-07

How do you start? How should you build a plan for cloud migration for your entire portfolio? How will your organization be affected by these changes? This book, based on real-world cloud experiences by enterprise IT teams, seeks to provide the answers to these questions. Here, you'll see what makes the cloud so compelling to enterprises; with which applications you should start your cloud journey; how your organization will change, and how skill sets will evolve; how to measure progress; how to think about security, compliance, and business buy-in; and how to exploit the ever-growing feature set that the cloud offers to gain strategic and competitive advantage.

**Transactions of the American Institute of Electrical Engineers** - 1956

**Designing Distributed Systems** - Brendan Burns 2018-02-20

Without established design patterns to guide them, developers have had to build distributed systems from scratch, and most of these systems are very unique indeed. Today, the increasing use of containers has paved the way for core distributed system patterns and reusable containerized components. This practical guide presents a collection of repeatable, generic patterns to help make the development of reliable distributed systems far more approachable and efficient. Author Brendan Burns—Director of Engineering at Microsoft Azure—demonstrates how you can adapt existing software design patterns for designing and building reliable distributed applications. Systems engineers and

application developers will learn how these long-established patterns provide a common language and framework for dramatically increasing the quality of your system. Understand how patterns and reusable components enable the rapid development of reliable distributed systems Use the side-car, adapter, and ambassador patterns to split your application into a group of containers on a single machine Explore loosely coupled multi-node distributed patterns for replication, scaling, and communication between the components Learn distributed system patterns for large-scale batch data processing covering work-queues, event-based processing, and coordinated workflows

**Dictionary of Computer and Internet Terms** - John C. Rigdon 2016-08-25

This dictionary contains over 32,000 terms that are specific to Computers and the Internet. Each term includes a definition / description. With more than 750 pages, this dictionary is one of the most comprehensive resources available. Terms relate to applications, commands, functions, operating systems, image processing and networking. No other dictionary of computing terms even comes close to the breadth of this one. It is designed to be used by everyone from the novice seeking the most basic information ... to the mainframe systems programmer and MIS professional looking for sophisticated and hard-to-find information that's not available in most reference books. It's all here in one indispensable reference source. \* artificial intelligence. \* computer-integrated manufacturing\* data communication\* databases\* distributed data processing\* fiber optics\* fundamental terms\* local area networks\* multimedia\* office automation\* open systems interconnection\* peripheral equipment\* personal

computing\* processing units\* programming\* system development\* text processing This dictionary is ideal not only for students of computing but for those studying the related fields of Information Technology, mathematics, physics, media communications, electronic engineering, and natural sciences. We also publish a companion volume (Vol.2) of Computer Acronyms and Abbreviations with an additional 4,500 terms. Volume 2 also includes a section on file name extensions showing the most commonly used extensions and their association with various software systems. This dictionary is available in more than 100 languages. See our website for pricing and availability. [http://www.wordsrus.info/catalog/computer\\_dictionary.html](http://www.wordsrus.info/catalog/computer_dictionary.html)

Exploring BeagleBone - Derek Molloy 2014-12-31

In-depth instruction and practical techniques for building with the BeagleBone embedded Linux platform. Exploring BeagleBone is a hands-on guide to bringing gadgets, gizmos, and robots to life using the popular BeagleBone embedded Linux platform. Comprehensive content and deep detail provide more than just a BeagleBone instruction manual—you'll also learn the underlying engineering techniques that will allow you to create your own projects. The book begins with a foundational primer on essential skills, and then gradually moves into communication, control, and advanced applications using C/C++, allowing you to learn at your own pace. In addition, the book's companion website features instructional videos, source code, discussion forums, and more, to ensure that you have everything you need. The BeagleBone's small size, high performance, low cost, and extreme adaptability have made it a favorite development platform, and the Linux

software base allows for complex yet flexible functionality. The BeagleBone has applications in smart buildings, robot control, environmental sensing, to name a few; and, expansion boards and peripherals dramatically increase the possibilities. Exploring BeagleBone provides a reader-friendly guide to the device, including a crash course in computer engineering. While following step by step, you can: Get up to speed on embedded Linux, electronics, and programming Master interfacing electronic circuits, buses and modules, with practical examples Explore the Internet-connected BeagleBone and the BeagleBone with a display Apply the BeagleBone to sensing applications, including video and sound Explore the BeagleBone's Programmable Real-Time Controllers Hands-on learning helps ensure that your new skills stay with you, allowing you to design with electronics, modules, or peripherals even beyond the BeagleBone. Insightful guidance and online peer support help you transition from beginner to expert as you master the techniques presented in Exploring BeagleBone, the practical handbook for the popular computing platform.

Index of Patents Issued from the United States Patent Office - United States. Patent Office 1964

*Microsoft Azure Essentials - Fundamentals of Azure* - Michael Collier 2015-01-29

Microsoft Azure Essentials from Microsoft Press is a series of free ebooks designed to help you advance your technical skills with Microsoft Azure. The first ebook in the series, Microsoft Azure Essentials: Fundamentals of Azure, introduces developers and IT professionals to the wide range of capabilities in Azure. The authors - both Microsoft MVPs in Azure - present both conceptual

and how-to content for key areas, including: Azure Websites and Azure Cloud Services Azure Virtual Machines Azure Storage Azure Virtual Networks Databases Azure Active Directory Management tools Business scenarios Watch Microsoft Press's blog and Twitter (@MicrosoftPress) to learn about other free ebooks in the "Microsoft Azure Essentials" series.

ASN.1 Complete - John Larmouth 2000

ASN.1 Complete teaches you everything you need to know about ASN.1-whether you're specifying a new protocol or implementing an existing one in a software or hardware development project. Inside, the author begins with an overview of ASN.1's most commonly encountered features, detailing and illustrating standard techniques for using them. He then goes on to apply the same practice-oriented approach to all of the notation's other features, providing you with an easy-to-navigate, truly comprehensive tutorial. The book also includes thorough documentation of both the Basic and the Packed Encoding Rules-indispensable coverage for anyone doing hand-encoding, and a valuable resource for anyone wanting a deeper understanding of how ASN.1 and ASN.1 tools work. The concluding section takes up the history of ASN.1, in terms of both the evolution of the notation itself and the role it has played in hundreds of protocols and thousands of applications developed since its inception. Features Covers all the features-common and not so common-available to you when writing a protocol specification using ASN.1. Teaches you to read, understand, and implement a specification written using ASN.1. Explains how ASN.1 tools work and how to use them. Contains hundreds of detailed examples, all verified using OSS's ASN.1 Tools package. Considers ASN.1 in relation to other protocol specification

standards.

Attacking Network Protocols - James Forshaw 2018-01-02  
Attacking Network Protocols is a deep dive into network protocol security from James Forshaw, one of the world's leading bug hunters. This comprehensive guide looks at networking from an attacker's perspective to help you discover, exploit, and ultimately protect vulnerabilities. You'll start with a rundown of networking basics and protocol traffic capture before moving on to static and dynamic protocol analysis, common protocol structures, cryptography, and protocol security. Then you'll turn your focus to finding and exploiting vulnerabilities, with an overview of common bug classes, fuzzing, debugging, and exhaustion attacks. Learn how to: - Capture, manipulate, and replay packets - Develop tools to dissect traffic and reverse engineer code to understand the inner workings of a network protocol - Discover and exploit vulnerabilities such as memory corruptions, authentication bypasses, and denials of service - Use capture and analysis tools like Wireshark and develop your own custom network proxies to manipulate network traffic Attacking Network Protocols is a must-have for any penetration tester, bug hunter, or developer looking to understand and discover network vulnerabilities.

*ERDA Energy Research Abstracts* - United States. Energy Research and Development Administration 1977

Air Force System Safety Handbook - Costs, Objectives, Policy and Process, Risk Assessment, Flight Mishaps, Analysis Techniques, Contractors, Nuclear and Explosive Hazards, Biomedical Safety - U. S. Military 2017-04-25  
The Air Force System Safety Handbook was prepared as a resource document for program office system safety

managers and system safety engineers. It is not designed to answer every question on the topic of system safety nor is it a cookbook that guarantees success. The handbook provides considerable insight to the general principles, objectives, and requirements of applying system safety concepts to the Air Force system acquisition and logistical support processes. Programs vary greatly in their scope and complexity, requiring a tailored system safety effort. Assigned to this difficult task are military and government personnel with varied education and experience backgrounds. These system safety practitioners need a comprehensive understanding of the system safety process and the complexities of applying it to a given program. This handbook will assist in providing much of the necessary information but additional, more detailed guidance will be required from the program office and their higher headquarters system safety experts. The ultimate objective of any organization within the Air Force is maximizing combat capability. One element in this maximizing process is protecting and conserving combat weapon systems and their support equipment. Preventing mishaps and reducing system losses is one important aspect of conserving these resources. System safety contributes to mishap prevention by minimizing system risks due to hazards consistent with other cost, schedule, and design requirements. The fundamental objective of system safety is to identify, eliminate or control, and document system hazards. 1.0 Introduction To System Safety \* 2.0 System Safety Policy And Process

\* 3.0 Risk Assessment \* 4.0 System Safety Program \* 5.0 System Safety Program Plan (Sspp) \* 6.0 Other Management Tasks (Ref 30) \* 7.0 Design And Integration Tasks \* 8.0 Design Evaluation, Compliance, And Verification \* 9.0 Analysis Techniques \* 10.0 System Safety Life-Cycle Activities \* 11.0 Program Office System Safety \* 12.0 Contracting For System Safety \* 13.0 Evaluating Contractor System Safety \* 14.0 Facilities System Safety \* 15.0 Supplementary Requirements \* 16.0 Nuclear Safety \* 17.0 Explosives Safety \* 18.0 System Safety In Logistics \* 20.0 Test And Evaluation Safety  
*Official Gazette of the United States Patent and Trademark Office - 1994*

Subsynchronous Resonance in Power Systems - Paul M. Anderson 1999-02-02

Mathematical calculations for subsynchronous system modeling Subsynchronous Resonance in Power Systems provides in-depth guidance toward the parameters, modeling, and analysis of this complex subclass of power systems. Emphasizing field testing to determine the data required, this book facilitates thorough and efficient oscillation and damping modeling using eigenvalues of a system's linear model. Expert discussion provides step-by-step instruction for generator, network, and turbine-generator shaft models, followed by detailed tutorials for model testing and analysis based on IEEE, CORPALS, and SSR eigenvalue analysis. Comprehensive in scope and practical in focus, this book is an invaluable resource for anyone working with frequencies below 60 Hz.