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Bacnet for Field Technicians-Peter Chipkin 2009-12-01 A complete handbook for BACnet field technicians and the beginners. This guide takes a practical approach to BACnet, discussing issues that affect installation, design and trouble shooting. Emphasis is on BACnet/IP and BACnet/MSTP with some special attention to RS485 issues. Additional articles and useful resources are available at www.chipkin.com

Modbus for Field Technicians-Peter Chipkin 2011-01-19 A complete handbook for Modbus field technicians and the beginners. This guide takes a practical approach to Modbus, discussing issues that affect installation, design and trouble shooting. Emphasis is on Modbus RS232, RS485 and TCP/IP. Additional articles and useful resources are available at www.chipkin.com

Programmer's Guide to Apache Thrift-Randy Abernethy 2019-04-14 Summary Programmer's Guide to Apache Thrift provides comprehensive coverage of the Apache Thrift framework along with a developer's-eye view of modern distributed application architecture. Foreword by Jens Geyer. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Thrift-based distributed software systems are built out of communicating components that use different languages, protocols, and message types. Sitting between them is Thrift, which handles data serialization, transport, and service implementation. Thrift supports many client and server environments and a host of languages ranging from PHP to JavaScript, and from C++ to Go. About the Book Programmer's Guide to Apache Thrift provides comprehensive coverage of distributed application communication using the Thrift framework. Packed with code examples and useful insight, this book presents best practices for multi-language distributed development. You'll take a guided tour through transports, protocols, IDL, and servers as you explore programs in C++, Java, and Python. You'll also learn how to work with platforms ranging from browser-based clients to enterprise servers. What's inside Complete coverage of Thrift's IDL Building and serializing complex user-defined types Plug-in protocols, transports, and data compression Creating cross-language services with RPC and messaging systems About the Reader Readers should be comfortable with a language like Python, Java, or C++ and the basics of service-oriented or microservice architectures. About the Author Randy Abernethy is an Apache Thrift Project Management Committee member and a partner at RX-M. Table of Contents PART 1 - APACHE THRIFT OVERVIEW Introduction to Apache Thrift Apache Thrift architecture Building, testing, and debugging PART 2 - PROGRAMMING APACHE THRIFT Moving bytes with transports Serializing data with protocols Apache Thrift IDL User-defined types Implementing services Handling exceptions Servers PART 3 - APACHE THRIFT LANGUAGES Building clients and servers with C++ Building clients and servers with Java Building C# clients and servers with .NET Core and Windows Building Node.js clients and servers Apache Thrift and JavaScript Scripting Apache Thrift Thrift in the enterprise

Lighting Control-Robert S. Simpson 2003 This is a comprehensive volume on all aspects of lighting control systems. Basic introductory chapters are included for those with little or no knowledge of the basics of electricity and light or electronic components.

Computer Applications for Modeling, Simulation, and Automobile-Tai-hoon Kim 2012-11-07 This book comprises the refereed proceedings of the International Conferences, MAS and ASNT 2012, held in conjunction with GST 2012 on Jeju Island, Korea, in November/December 2012. The papers presented were carefully reviewed and selected from numerous submissions and focus on the various aspects of modeling and simulation, and automotive science and technology.

7th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS'09)-Yves Demazeau 2009-03-08 PAAMS, the International Conference on Practical Applications of Agents and Multi-Agent Systems is an evolution of the International Workshop on Practical Applications of Agents and Multi-Agent Systems. PAAMS is an international yearly tribune to present, to discuss, and to disseminate the latest developments and the most important outcomes related to real-world applications. It provides a unique opportunity to bring multi-disciplinary experts, academics and practitioners together to exchange their experience in the development of Agents and Multi-Agent Systems. This volume presents the papers that have been accepted for the 2009 edition. These articles capture the most innovative results and this year's trends: Assisted Cognition, E-Commerce, Grid Computing, Human Modelling, Information Systems, Knowledge Management, Agent-Based Simulation, Software Development, Transports, Trust and Security. Each paper has been reviewed by three different reviewers, from an international committee composed of 64 members from 20 different countries. From the 92 submissions received, 35 were selected for full presentation at the conference, and 26 were accepted as posters.

Innovations in Digital Research Methods-Peter Halfpenny 2015-05-18 Vast amounts of digital data are now generated daily by people as they go about their lives, yet social researchers are struggling to exploit it. At the same time, the challenges faced by society in the 21st century are growing ever more complex, and demands research that is bigger in scale, more collaborative and multi-disciplinary than ever before. This cutting-edge volume provides an accessible introduction to innovative digital social research tools and methods that harness this 'data deluge' and successfully tackle key research challenges. Contributions from leading international researchers cover topics such as: Qualitative, quantitative and mixed methods research Data management Social media and social network analysis Modeling and simulation Survey methods Visualizing social data Ethics and e-research The future of social research in the digital age This vibrant introduction to innovative digital research methods is essential reading for anyone conducting social research today.

KNX Advanced Course Documentation-K. N. X. Association 2018-06-08 Higher demands placed on the security, flexibility and convenience of electrical installations combined with the need to minimize energy requirements have led to the development of home and building management systems.The KNX technology is the result of the pooling of knowledge and experience gained over the last 24 years with the predecessor technologies to KNX, i.e. the European Installation Bus (EIB), the European Home System (EHS) and BatiBUS.The skilful application of KNX requires sound knowledge of all persons involved. Training measures are therefore required towards:- Selection of bus devices and installation material;- fields of application and main applications of the KNX bus system;- selection of the bus topology in view of the construction of the building and the desired functionalities;- planning of the to be installed bus system;- Installation, thereby taking into account the relevant regulations (e.g. lightning protection, electromagnetic compatibility, etc.);- Commissioning and servicing of KNX installations.The November 2013 edition of the KNX Advanced Course Documentation gives you an in- depth overview of topics such as HVAC Control with KNX, Security, Lighting Control, Interworking... In-depth information about KNX Telegram, KNX Topology... can be found in the document "KNX Basic Course Documentation" which is published separately.This Basic Course Documentation (with successful concluding exam) is the basis for KNX Partnership. Courses are organised by more than 280 certified training centres around the world.

German-Joseph Rosenberg 1967-06-01 Filled with dialogues, grammar and idiom studies, and practical exercises, this is probably the most delightful, useful, and comprehensive elementary book available for learning spoken and written German. In addition, the book features 28 sketches of specific scenes with pertinent items numbered and identified in both German and English. Includes 330 photographs and illustrations.

Laboratory Procedures for Veterinary Technicians-Paul W. Pratt 1997-01-01 From laboratory equipment and record keeping to blood chemistry and function tests, Laboratory Procedures gives veterinary technician practice. Procedures are explained step by step and biological principles are discussed.

Electrical Installation Technology-Michael Neidle 2016-06-24 Electrical Installation Technology, Third Edition covers a wide range of subjects about electrical science, installations, and regulations. The book presents chapters tackling general principles and information about electromagnetism, inductance, static electricity, D.C. and A.C. circuits, and voltage drop and recurrent rating. The book describes distribution, wiring techniques, D.C. generators and motors, A.C. motors, and transformers. The importance of power-factor improvement, earthing and earth-leakage protection, and testing are also considered. The latter part of the book describes communication systems and equipment, such as batteries, cells, call systems, alarms, and electronics. The book concludes with a chapter dealing with important topics under site and office management. This book will serve as a textbook for students taking the Electrical Installation Technicians and Electrical Technicians Courses, and will also benefit electrical engineers.

Electromagnetic Fields and Interactions-Richard Becker 2013-04-26 This classic introduction to electromagnetic fields, thoroughly revised in 1964 and available here in a one-volume edition, includes a self-contained section on quantum theory. Problems with solutions. 148 illustrations.

Boeing Versus Airbus-John Newhouse 2008 The author of The Sporty Game journeys behind the scenes to examine the high-stakes rivalry between the world's two largest aircraft manufacturers--Boeing and Airbus--drawing on interviews with industry insiders to reveal how Boeing lost its edge in the marketplace and what it is doing to reclaim its status. Reprint. 20,000 first printing.

Translation Services. Requirements for Translation Services-British Standards Institute Staff 1915-05-31 Translations, Translation (process), Linguistics, Management, Quality, Quality management, Consumer-supplier relations, Personnel, Technical writing, Project management, Contracts

The Literacy Jigsaw Puzzle-Beverly Tyner 2012 Discover how to identify, assemble, and deliver a comprehensive literacy plan that meets the needs of all learners, regardless of ability, in your classroom.

Computer-integrated Design and Manufacturing-David D. Bedworth 1991 COMPUTER-GENERAL INFORMATION

Dictionary of Insect Morphology-Henrik Steinmann 1999-01-01 The renowned German reference work The Handbuch der Zoologie/Handbook of Zoology was founded in the 1920's by Professor Willi Kükenthal in Berlin and treated the complete animal kingdom from single cell organisms to mammals in eight thematic volumes: Volume I Protozoa, Porifera, Colenteratea, Mesozoa (1925); Volume II Worms (1933/34); Volume III Arthropoda ex. Insecta (1927/1932); Volume IV Arthopoda: Insecta; Volume V Solenogastres, Mollusca, Echinoderma (1925); Volume VI Pisces / Amphibia (1930); Volume VII Reptilia / Aves (1931); Volume VIII Mammalia. The Volumes Insecta (Eds. N.P. Kristensen, R.G. Beutel) and Mammalia (Eds. M.S. Fischer, H. Schliemann) continued publication into the present with the most recent contributions in English language. Covering nearly 100 years of zoological research, the Handbook of Zoology represents a vast store of knowledge. But with the speed of scientific discovery in the past decades, a new edition of the Handbook in a new form is required. Beginning in 2010 the Handbook of Zoology was restructured and offered additionally as a database (Zoology Online) which can be easily searched and rapidly updated. The eight thematic volumes were replaced with smaller and more flexible groupings that reflect the current state of phylogenetic knowledge. Faster publication times through online-prepublication make the Handbook of Zoology highly attractive to both authors and users.

The King Pigeon-American Pigeon Journal 2017-04-24 This special re-print edition of the American Pigeon Journal's edition of the "The King Pigeon" contains all the information a person needs to master the basics of breeding and raising King pigeons for squabs, exhibition or pleasure. Written in 1921, included in this famous booklet are details on raising and breeding this well known breed of pigeon. The text offers a fascinating look at how this famous pigeon breed was bred, raised and exhibited in the old days, as well as insights into its history. The only book of its kind. Note: This edition is a perfect facsimile of the original edition and is not set in a modern typeface. As a result, some type characters and images might suffer from slight imperfections or minor shadows in the page background.

[Miscellaneous Printed Matter]-Bradford Durfee Textile School 2016-05-04 This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work.This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work.As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

CFO Fundamentals-Jae K. Shim 2012-02-14 The thorough reference that goes wherever you go The Complete CFO Reference is the perfect up-to-date reference tool for today's busy CFO, controller, treasurer, and other finance professionals. Written in an easy format and packed with checklists, samples, and worked-out solutions for a wide variety of accounting and finance problems, readers can take this handy reference wherever they go-on a business trip, visiting a client, conducting a conference call, or attending a meeting. Covers all major developments in finance and accounting every CFO needs to know about including IFRS, Web-based planning, and ranging from financial reporting and internal control to financial decision making for shareholder value maximization Includes tables, forms, checklists, questionnaires, practical tips, and sample reports Incorporates Accounting Standards Codification (ASC) throughout the book, as well as coverage of International Financial Reporting Standards (IFRS) and its impact on financial reporting, XBRL reporting, risk management and disaster recovery, Web-based planning and budgeting, Web 2.0, cloud computing, and environmental costing Simplifying day-to-day work in dozens of critical areas, The Complete CFO Reference is the perfect up-to-date reference tool for today's busy chief financial officer (CFO), controller, treasurer, financial director, budgeting director, and other financial professionals in public practice and private industry.

Getting India Back on Track-Ashley J. Tellis 2014-06-09 India has fallen far and fast from the runaway growth rates it enjoyed in the first decade of the twenty-first century. In order to reverse this trend, New Delhi must seriously reflect on its policy choices across a wide range of issue areas. Getting India Back on Track broadly coincides with the 2014 Indian elections to spur a public debate about the program that the next government should pursue in order to return the country to a path of high growth. It convenes some of India's most accomplished analysts to recommend policies in every major sector of the Indian economy. Taken together, these seventeen focused and concise memoranda offer policymakers and the general public alike a clear blueprint for India's future. Contents Foreword Ratan N. Tata (Chairman, Tata Trusts) Introduction Ashley J. Tellis and Reece Trevor (Carnegie Endowment for International Peace) 1. Maintaining Macroeconomic Stability Ila Patnaik (National Institute of Public Finance and Policy) 2. Dismantling the Welfare State Surjit Bhalla (Oxus Investments) 3. Revamping Agriculture and the Public Distribution System Ashok Gulati (Commission for Agriculture Costs and Prices) 4. Revisiting Manufacturing Policy Rajiv Kumar (Centre for Policy Research) 5. Generating Employment Omkar Goswami (Corporate and Economic Research Group) 6. Expanding Education and Skills Laveesh Bhandari (Indicus Analytics) 7. Confronting Health Challenges A. K. Shiva Kumar (National Advisory Council) 8. Accelerating Infrastructure Modernization Rajiv Lall and Ritu Anand (IDFC Limited) 9. Managing Urbanization Somik Lall and Tara Vishwanath (World Bank) 10. Renovating Land Management Barun S. Mitra (Liberty Institute) and Madhumita D. Mitra (consultant) 11. Addressing Water Management Tushaar Shah (International

Water Management Institute) and Shilp Verma (independent researcher) 12. Reforming Energy Policy and Pricing Sunjoy Joshi (Observer Research Foundation) 13. Managing the Environment Ligia Noronha (Energy and Resources Institute) 14. Strengthening Rule of Law Devesh Kapur (University of Pennsylvania) and Milan Vaishnav (Carnegie Endowment for International Peace) 15. Correcting the Administrative Deficit Bibek Debroy (Centre for Policy Research) 16. Building Advanced Technology Capacity for Competitive Arms Acquisition Ravinder Pal Singh (Stockholm International Peace Research Institute) 17. Rejuvenating Foreign Policy C. Raja Mohan (Observer Research Foundation and Carnegie Endowment for International Peace

First, Do No Harm-Lisa Belkin 2021-02-16 "Crammed with provocative insights, raw emotion, and heartbreaking dilemmas," (The New York Times) First, Do No Harm is a powerful examination of how life and death decisions are made at a major metropolitan hospital in Houston, as told through the stories of doctors, patients, families, and hospital administrators facing unthinkable choices. What is life worth? And when is a life worth living? Journalist Lisa Belkin examines how these questions are asked and answered over one dramatic summer at Hermann Hospital in Houston, Texas. In an account that is fascinating, revealing, and almost novelistic in its immediacy, Belkin takes us inside a major hospital and introduces us to the people who must make life and death decisions every day. As we walk through the hallways of the hospital we meet a young pediatrician who must decide whether to perform a risky last-ditch surgery on a teenager who has spent most of his fifteen years in a hospital; we watch as new parents battle with doctors over whether to disconnect their fragile, premature twins from the machine that keeps them breathing; we are in the operating room as a poor immigrant, paralyzed from a gunshot in the neck, is asked by doctors whether or not he wishes to stay alive; we witness the worry of a kidney specialist as he decides whether or not to transfer an uninsured baby to the county hospital down the road. We experience critical moments in the lives of these real people as Belkin explores challenging issues and questions involving medical ethics, human suffering, modern technology, legal liability, and financial reality. As medical technology advances, the choices grow more complicated. How far should we go to save a life? Who decides? And who pays?

Commercial Space Exploration-Jai Galliott 2016-03-09 Not since man set foot on the moon over four decades ago has there been such passion and excitement about space exploration. This enthusiasm and eagerness has been spurred on by the fact that for the first time since the very beginning of the space age, space travel is no longer limited to an elite group of highly trained and well-disciplined military officers and test pilots. Instead, we must understand that the possibility of commercial space travel is already on our horizon and that it comes with a number of significant practical and moral challenges. Our level of scientific development and ability to influence international affairs and policy confers upon us an obligation to study the ethical, legal and social considerations associated with space exploration and understanding the potential consequences from the beginning is critical. This volume provides the first comprehensive and unifying analysis concerning the rise of private space exploration, with a view toward developing policy that may influence real-world decision making. The plethora of questions demanding serious attention - privatisation and commercialisation, the impact on the environment, health futures, risk assessment, responsibility and governance - are directly addressed in this scholarly work.

Basic Methods in Protein Purification and Analysis-Richard J. Simpson 2009 A collection of convenient and easy to use, at the bench protocols for protein purification and further manipulations. Some of the methods describing protein purification are from Proteins and Proteomics and Purifying Proteins for Proteomics manuals, with additional information from Protein–Protein Interactions 2e (Standard Technologies).

Design and Construction of High-performance Homes-Franca Trubiano 2013 Both professionals and students are increasingly committed to achieving high-performance metrics in the design, construction and operation of residential buildings. This book responds to this demand by offering a comprehensive guide which features: architectural innovations in building skin technologies which make lighter more transparent buildings high performing energy-free architectural design principles and advances in building-integrated photovoltaics essential engineering principles, controls and approaches to simulation for achieving net zero the advantages of integrated design in residential construction and the challenges and opportunities it engenders detailed case studies of innovative homes which have incorporated low-energy design solutions, new materials, alternative building assemblies, digital fabrication, integrated engineering systems and operational controls. Divided into four parts, the book discusses the requisite AEC (Architecture, Engineering and Construction) knowledge needed when building a high-performance home. It also communicates this information across four case studies, which provide the reader with a thorough overview of all aspects to be considered in the design and construction of sustainable homes. With contributions from experts in the field, the book provides a well-rounded and multi-faceted approach. This book is essential reading for students and professionals in design, architecture, engineering (civil, mechanical and electrical), construction and energy management.

VAR Models in Macroeconomics-Prof Thomas Fomby 2014-01-03 Vector autoregressive (VAR) models are among the most widely used econometric tools in the fields of macroeconomics and financial economics. Much of what we know about the response of the economy to macroeconomic shocks and about how various shocks have contributed to the evolution of macroeconomic and financial aggregates is based on VAR models. VAR models also have been used successfully for economic and business forecasting, for modeling risk and volatility, and for the construction of forecast scenarios. Since the introduction of VAR models by C.A. Sims in 1980, the VAR methodology has continuously evolved. Even today important extensions and reinterpretations of the VAR framework are being developed. Examples include VAR models for mixed-frequency data, VAR models as approximations to DSGE models, factor-augmented VAR models, new tools for the identification of structural shocks in VAR models, panel VAR approaches, and time-varying parameter VAR models. This volume collects contributions from some of the leading VAR experts in the world on VAR methods and applications. Each paper highlights and synthesizes a new development in this literature in a way that is accessible to practitioners, to graduate students, and to readers in other fields.