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Ecological Research Series Courier Corporation

Design an enterprise solution from scratch that allows the migration of a legacy application. Begin with the planning and design phase and be guided through all the stages of selecting the architecture framework that fits your enterprise. Join Microsoft MVP Josh Garverick as he addresses all major areas of design and implementation—application, infrastructure, data, security, and deployment—while leveraging the power and tools of Visual Studio Team Services (VSTS) to bring DevOps to the forefront. With an emphasis on principles and best practices of enterprise design, you will discover how to recognize existing patterns within the legacy platform and to identify potential risks, bottlenecks, and candidates for automation. What You ' ll Learn Accurately and completely capture baseline information about a legacy system Leverage enterprise patterns for constructing next-generation platforms in the cloud Design, plan, and implement deployment pipelines to enable continuous delivery Identify and implement cloud-based platform components to reduce total cost of ownership Understand testing and validation: iterative component authoring, monitoring, deployment, and performance Price and perform capacity planning for cloud-based infrastructure and workloads Who This Book Is For Enterprise architects and IT professionals who are required to keep legacy applications relevant in today ' s cloud-first world

Building Secure Software Xlibris Corporation

The fourth book of a four-part series, *Design Theory and Methods using CAD/CAE* integrates discussion of modern engineering design principles, advanced design tools, and industrial design practices throughout the design process. This is the first book to integrate discussion of computer design tools throughout the design process.

Through this book series, the reader will: Understand basic design principles and all digital modern engineering design paradigms Understand CAD/CAE/CAM tools available for various design related tasks Understand how to put an integrated system together to conduct All Digital Design (ADD) product design using the paradigms and tools Understand industrial practices in employing ADD virtual engineering design and tools for product development The first book to integrate discussion of computer design tools throughout the design process Demonstrates

how to define a meaningful design problem and conduct systematic design using computer-based tools that will lead to a better, improved design Fosters confidence and competency to compete in industry, especially in high-tech companies and design departments

Mathematical Questions and Solutions, from the "Educational Times"
Springer

Provides information on successful software development, covering such topics as customer requirements, task estimates, principles of good design, dealing with source code, system testing, and handling bugs.

Design Theory and Methods using CAD/CAE Apress

This book constitutes the refereed proceedings of the 7th European Conference on Technology Enhanced Learning, EC-TEL 2012, held in Saarbrücken, Germany, in September 2012. The 26 revised full papers presented were carefully reviewed and selected from 130 submissions. The book also includes 12 short papers, 16 demonstration papers, 11 poster papers, and 1 invited paper. Specifically, the programme and organizing structure was formed through the themes: mobile learning and context; serious and educational games; collaborative learning; organisational and workplace learning; learning analytics and retrieval; personalised and adaptive learning; learning environments; academic learning and context; and, learning facilitation by semantic means.

Migrating to Azure John Wiley & Sons

During the last thirty years, a wide range of product companies throughout the Western economies have considered moving into or setting up service businesses. Some have rejected the idea after careful consideration, some have wandered into competitive services without any real idea of what is involved and others have deliberately executed a carefully considered strategic manoeuvre. Included in this debate are some of the most famous business names in the western world: Unisys, Ericsson, Michelin, Nokia and HP. For IBM it was Lou Gerstener ' s ' big bet ' ; at GE it was one of former CEO Jack Welch ' s ' four major strategies ' and, at General Motors, the financial services arm was its most profitable business for many years. Yet very little has been published on this profound transition. As a result, myths and idiocies abound. Some routinely claim that the ' evolution from products through services to solutions ' is inevitable. Others think that manufacturing is being outsourced to China and India while American or European teenagers face a career in hamburger stalls. The truth is much more fascinating. To succeed in a service business, most functions of a product company need to change. Operations, management, recruitment, finance, sales, new product development and marketing must all be adjusted. So the move into service therefore involves huge risk caused by disruptive and radical change. What has pushed realistic business people in such widely different industrial sectors to

take so large a risk? Does their experience contain lessons or warnings for others? Is the trend likely to continue and affect other parts of the world as their economies develop? Will India, China or other developing economies need to learn how to export service once their manufacturing industries mature? Written by a successful businessman who has been at the heart of these changes in several companies and, with case studies from companies like IBM, Unilever, BT, Michelin, Ericsson and Nokia, this book explores the experience of those who have made the transition; and some who have resisted it. It covers in depth subjects such as: strategic focus, change management, service operations, branding a service business, service sales and service marketing. It is the first major work on this subject. "This book is a 'must read' for those considering the plunge into service growth and innovation. Even those companies that have already taken the plunge will gain fresh perspective" —Jim Spohrer, Director, IBM Almaden Research Centre, USA "Laurie Young details in very practical ways the reasons and methodologies for change ... I would recommend this book to every one of my customers." —Douglas Morse, Managing Principal for the Services Transformation and Innovation Group LLC "I am thrilled with the publication of this much needed book. In my work with businesses around the globe, I find that grappling with the challenge of transforming a company from products to services is a compelling priority for increasing numbers of firms." —Stephen W. Brown, PhD, Carson Chair, Professor and Executive Director, Center for Services Leadership, W. P. Carey School of Business, Arizona State University [Transactions of the Royal Society of Edinburgh](#) Academic Press

Most organizations have a firewall, antivirus software, and intrusion detection systems, all of which are intended to keep attackers out. So why is computer security a bigger problem today than ever before? The answer is simple--bad software lies at the heart of all computer security problems. Traditional solutions simply treat the symptoms, not the problem, and usually do so in a reactive way. This book teaches you how to take a proactive approach to computer security. Building Secure Software cuts to the heart of computer security to help you get security right the first time. If you are serious about computer security, you need to read this book, which includes essential lessons for both security professionals who have come to realize that software is the problem, and software developers who intend to make their code behave. Written for anyone involved in software development and use—from managers to coders—this book is your first step toward building more secure software. Building Secure Software provides expert perspectives and techniques to help you ensure the security of essential software. If you consider threats and vulnerabilities early in the development cycle you can build security into your system. With this book you will learn how to determine an acceptable level of risk, develop security tests, and plug security holes before software is even shipped. Inside you'll find the ten guiding principles for software security, as well as detailed coverage of: Software risk management for security Selecting technologies to make your code more secure Security implications of open source and proprietary software How to audit software The dreaded buffer overflow Access control and password authentication Random number generation Applying cryptography Trust management and input Client-side security Dealing with firewalls Only by building secure software can you defend yourself against security breaches and gain the confidence that comes with knowing you won't have to play the "penetrate and patch" game anymore. Get it right the first time. Let these expert authors show you how to properly design your system; save time, money, and credibility; and preserve your customers' trust.

Journal of the American Chemical Society Springer Science & Business Media

Gary Bronson's A FIRST BOOK OF C++, 4e, International Edition takes a hands-on, applied approach to the first programming language course for students studying computer science. The book begins with procedural programming in C, and then gradually introduces object-oriented programming features and the C++ language syntax that enables first-time programmers to use them. 21st Century Learning for 21st Century Skills "O'Reilly Media, Inc."

The first guide to tackle security architecture at the softwareengineering level Computer security has become a critical business concern, and, as such, the responsibility of all IT professionals. In this groundbreaking book, a security expert with AT&T Business's renowned Network Services organization explores system security architecture from a software engineering perspective. He explains why strong security must be a guiding principle of the development process and identifies a

common set of features found in most security products, explaining how they can and should impact the development cycle. The book also offers in-depth discussions of security technologies, cryptography, database security, application and operating system security, and more.

First for Women Smart Solutions Springer

This book constitutes the refereed proceedings of the 17th Australasian Conference on Information Security and Privacy, ACISP 2012, held in Wollongong, Australia, in July 2012. The 30 revised full papers presented together with 5 short papers were carefully reviewed and selected from 89 submissions. The papers are organized in topical sections on fundamentals; cryptanalysis; message authentication codes and hash functions; public key cryptography; digital signatures; identity-based and attribute-based cryptography; lattice-based cryptography; lightweight cryptography.

[The British Chess Magazine](#) John Wiley & Sons

Learn how to use R to turn raw data into insight, knowledge, and understanding. This book introduces you to R, RStudio, and the tidyverse, a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience, R for Data Science is designed to get you doing data science as quickly as possible. Authors Hadley Wickham and Garrett Grolemund guide you through the steps of importing, wrangling, exploring, and modeling your data and communicating the results. You'll get a complete, big-picture understanding of the data science cycle, along with basic tools you need to manage the details. Each section of the book is paired with exercises to help you practice what you've learned along the way. You'll learn how to: Wrangle—transform your datasets into a form convenient for analysis Program—learn powerful R tools for solving data problems with greater clarity and ease Explore—examine your data, generate hypotheses, and quickly test them Model—provide a low-dimensional summary that captures true "signals" in your dataset Communicate—learn R Markdown for integrating prose, code, and results

[Embedded Firmware Solutions](#) Wilfrid Laurier Univ. Press

Hamilton-Jacobi equations and other types of partial differential equations of the first order are dealt with in many branches of mathematics, mechanics, and physics. These equations are usually nonlinear, and functions vital for the considered problems are not smooth enough to satisfy these equations in the classical sense. An example of such a situation can be provided by the value function of a differential game or an optimal control problem. It is known that at the points of differentiability this function satisfies the corresponding Hamilton-Jacobi-Isaacs-Bellman equation. On the other hand, it is well known that the value function is as a rule not everywhere differentiable and therefore is not a classical global solution. Thus in this case, as in many others where first-order PDE's are used, there arises necessity to introduce a notion of generalized solution and to develop theory and methods for constructing these solutions. In the 50s-70s, problems that involve nonsmooth solutions of first order PDE's were considered by Bakhvalov, Evans, Fleming, Gel'fand, Godunov, Hopf, Kuznetsov, Ladyzhenskaya, Lax, Oleinik, Rozhdestven ski¹, Samarskii, Tikhonov, and other mathematicians. Among the investigations of this period we should mention the results of S.N. Kruzhkov, which were obtained for Hamilton-Jacobi equation with convex Hamiltonian. A review of the investigations of this period is beyond the limits of the present book. A sufficiently complete bibliography can be found in [58, 126, 128, 141].

[Mathematics](#) AAPC Publishing

This book is dedicated to metaheuristics as applied to vehicle routing problems. Several implementations are given as illustrative examples, along with applications to several typical vehicle routing problems. As a first step, a general presentation intends to make the reader more familiar with the related field of logistics and combinatorial optimization. This preamble is completed with a

description of significant heuristic methods classically used to provide feasible solutions quickly, and local improvement moves widely used to search for enhanced solutions. The overview of these fundamentals allows appreciating the core of the work devoted to an analysis of metaheuristic methods for vehicle routing problems. Those methods are exposed according to their feature of working either on a sequence of single solutions, or on a set of solutions, or even by hybridizing metaheuristic approaches with others kind of methods.

Catechism of Modern Elementary Chemistry Or Solutions of the Questions Set at the London University Matriculation Examinations 1844-82 Penguin

Is trading stocks, bonds, commodities, real estate a form of investing? Precisely, is trading a security a form of investing? This book strives to let you answer this question. Not only that, it actually takes you through the rudimentary processes of trading them. It attempts to resolve the ambiguities surrounding trading and investing which discourages people from engaging in the act. It uses practical examples to show you how the money market and the capital markets can work to your advantage. The term “ day-trading ” is seen as precarious. But is it really? What if there were terms like “ week-trading, ” “ month-trading ” or even “ year-trading ” or more so, “ decade-trading. ” Then seemly precarious nature of trading will be removed. As a result the definitions of trading and investing begin to converge. Investing is the act of committing resources, especially, money to a venture to generate profits. The time element of investing can be as short as nano-seconds or as long as centuries or millenniums. Going by this, the infinitesimal timeline in trading securities should not make that venture any less than investing. So trading as this book considers transcends daily or hourly momentum: it also delves into far longer periods-decades and centuries. Whenever an investment product is bought and sold, it had been essentially “ traded ” irrespective of the time lapse.

Designing Solutions for Your Business Problems Springer

Long-Term Solutions for a Short-Term World demonstrates the complexity of the challenges that poor countries face and introduces the readers to the concept and impact of participatory research for development. Participatory research requires researchers to work with communities, governments, and other relevant actors to deal with common problems. Finding solutions requires participants to reflect critically on the cultural, economic, historical, political, and social contexts within which the issue under investigation exists. The book contains a collection of essays from development researchers and professionals, each of whom is an activist who has made significant contributions to the struggles of the poor in their own societies. Essays are presented as case studies and, in each, the contributor explains the specific development problem, the paths followed to solve the problem, lessons learned as a result of the research, and the development challenges on the horizon in his field of research. Together, these essays present a fascinating picture of how some of today ’ s most pressing development issues are being dealt with through research, demonstrating how interdisciplinary and alternative approaches can be implemented in new and innovative ways.

Head First Software Development John Wiley & Sons

This book provides cutting-edge results on the existence of multiple positive periodic solutions of first-order functional differential equations. It demonstrates how the Leggett-Williams fixed-point theorem can be applied to study the existence of two or three positive periodic solutions of functional differential equations with real-world applications, particularly with regard to the Lasota-Ważewska model, the Hematopoiesis model, the Nicholson's Blowflies model, and some models with Allee effects. Many interesting sufficient conditions are given for the dynamics that include nonlinear characteristics exhibited by population models. The last chapter provides results related to the global appeal of solutions to the models considered in the earlier chapters. The techniques used in this book

can be easily understood by anyone with a basic knowledge of analysis. This book offers a valuable reference guide for students and researchers in the field of differential equations with applications to biology, ecology, and the environment.

Publications of the Lick Observatory of the University of California "O'Reilly Media, Inc."

Designing Solutions for Your Business Problems is an essential resource for managers and consultants who help organizations resolve ambiguous problems and develop new opportunities. Taking a hands-on, practical approach, Betty Vandebosch—a leading management consultant and educator—outlines the details on how to conduct a proven process for designing solutions. Designing Solutions for Your Business Problems will teach you how to curtail investigation and generate and justify ideas without sacrificing thoroughness, creativity, persuasiveness, and fit. You will be able to capitalize on more opportunities, and your problem-solving skills will become more efficient and your solutions more compelling. This book will help you design better solutions and design them faster. Betty Vandebosch offers a variety of useful techniques such as the "scooping diagram," which provides a framework for action, and the "logic diagram," which tests the validity of a potential solution. In addition, the book contains illustrative real-life examples of the Designing Solutions approach from a variety of organizations.

Long-Term Solutions for a Short-Term World Apress

- New York Times bestseller
- The 100 most substantive solutions to reverse global warming, based on meticulous research by leading scientists and policymakers around the world “ At this point in time, the Drawdown book is exactly what is needed; a credible, conservative solution-by-solution narrative that we can do it. Reading it is an effective inoculation against the widespread perception of doom that humanity cannot and will not solve the climate crisis. Reported by-effects include increased determination and a sense of grounded hope. ” —Per Espen Stoknes, Author, What We Think About When We Try Not To Think About Global Warming “ There ’ s been no real way for ordinary people to get an understanding of what they can do and what impact it can have. There remains no single, comprehensive, reliable compendium of carbon-reduction solutions across sectors. At least until now. . . . The public is hungry for this kind of practical wisdom. ” —David Roberts, Vox “ This is the ideal environmental sciences textbook—only it is too interesting and inspiring to be called a textbook. ” —Peter Kareiva, Director of the Institute of the Environment and Sustainability, UCLA In the face of widespread fear and apathy, an international coalition of researchers, professionals, and scientists have come together to offer a set of realistic and bold solutions to climate change. One hundred techniques and practices are described here—some are well known; some you may have never heard of. They range from clean energy to educating girls in lower-income countries to land use practices that pull carbon out of the air. The solutions exist, are economically viable, and communities throughout the world are currently enacting them with skill and determination. If deployed collectively on a global scale over the next thirty years, they represent a credible path forward, not just to slow the earth ’ s warming but to reach drawdown, that point in time when greenhouse gases in the atmosphere peak and begin to decline. These measures promise cascading benefits to human health, security, prosperity, and well-being—giving us every reason to see this planetary crisis as an opportunity to create a just and livable world.

Mathematical Questions and Solutions, from the "Educational Times." Pearson Education

Major survey offers comprehensive, coherent discussions of analytic geometry, algebra, differential equations, calculus of variations, functions of a complex variable, prime numbers, linear and non-Euclidean geometry, topology, functional analysis, more. 1963 edition.

A First Book of C++ Compute

This two-volume set LNCS 7902 and 7903 constitutes the refereed proceedings of the 12th International Work-Conference on Artificial Neural Networks, IWANN 2013, held in Puerto de la Cruz, Tenerife, Spain, in June 2013. The 116 revised papers were carefully reviewed and selected from numerous submissions for presentation in two volumes. The papers explore sections on mathematical and theoretical methods in computational intelligence, neurocomputational formulations, learning and adaptation emulation of cognitive functions, bio-inspired systems and neuro-engineering, advanced topics in computational intelligence and applications.

Generalized Solutions of First Order PDEs John Wiley & Sons

Embedded Firmware Solutions is the perfect introduction and daily-use field guide--for the thousands of firmware designers, hardware engineers, architects, managers, and developers--to Intel ' s new firmware direction (including Quark coverage), showing how to integrate Intel® Architecture designs into their plans. Featuring hands-on examples and exercises using Open Source codebases, like Coreboot and EFI Development Kit (tianocore) and Chromebook, this is the first book that combines a timely and thorough overview of firmware solutions for the rapidly evolving embedded ecosystem with in-depth coverage of requirements and optimization.