

Sirius Computer Solutions Benefits

Modern cars are more computerized than ever. Infotainment and navigation systems, Wi-Fi, automatic software updates, and other innovations aim to make driving more convenient. But vehicle technologies haven't kept pace with today's more hostile security environment, leaving millions vulnerable to attack. The Car Hacker's Handbook will give you a deeper understanding of the computer systems and embedded software in modern vehicles. It begins by examining vulnerabilities and providing detailed explanations of communications over the CAN bus and between devices and systems. Then, once you have an understanding of a vehicle's communication network, you'll learn how to intercept data and perform specific hacks to track vehicles, unlock doors, glitch engines, flood communication, and more. With a focus on low-cost, open source hacking tools such as Metasploit, Wireshark, Kayak, can-utils, and ChipWhisperer, The Car Hacker's Handbook will show you how to:–Build an accurate threat model for your vehicle–Reverse engineer the CAN bus to fake engine signals–Exploit vulnerabilities in diagnostic and data-logging systems–Hack the ECU and other firmware and embedded systems–Feed exploits through infotainment and vehicle-to-vehicle communication systems–Override factory settings with performance tuning techniques–Build physical and virtual test benches to try out exploits safely If you careen about automotive security and have the urge to hack a two-ton computer, make The Car Hacker's Handbook your first stop.

This extraordinary book explains the engine that has catapulted the Internet from hackwater to ubiquity—and reveals that it is sputtering precisely because of its runaway success. With the unwitting help of its users, the generative Internet is on a path to a lockdown, ending its cycle of innovation—and facilitating unsettling new kinds of control. iPods, iPhones, Xboxes, and TiVos represent the first wave of Internet-centered products that can't be easily modified by anyone except their vendors or selected partners. These “tethered appliances” have already been used in remarkable but little-known ways: car GPS systems have been reconfigured at the demand of law enforcement to eavesdrop on the occupants at all times, and digital video recorders have been ordered to self-destruct thanks to a lawsuit against the manufacturer thousands of miles away. New Web 2.0 platforms like Google mash-ups and Facebook are rightly touted—but their applications can be similarly monitored and eliminated from a central source. As tethered appliances and applications eclipse the PC, the very nature of the Internet—is “generativity,” or innovative character—is at risk. The Internet's current trajectory is one of lost opportunity. Its salvation, Zittrain argues, lies in the hands of its millions of users. Drawing on generative technologies like Wikipedia that have so far survived their own successes, this book shows how to develop new technologies and social structures that allow users to work creatively and collaboratively, participate in solutions, and become true “netizens.”

This IBM® Redpaper™ publication gives a broad understanding of a new architecture of the IBM Power System E950 (9040-MR9) server that supports IBM AIX®, and Linux operating systems. The objective of this paper is to introduce the major innovative Power E950 offerings and relevant functions: The IBM POWER9™ processor, which is available at frequencies of 2.8 - 3.4 GHz. Significantly strengthened cores and larger caches. Supports up to 16 TB of memory, which is four times more than the IBM POWER® processor-based IBM Power System E850 server. Integrated I/O subsystem and hot-pluggable Peripheral Component Interconnect Express (PCIe) Gen4 slots, which have double the bandwidth of Gen3 I/O slots. Supports EXP12SX and ESP24SX external disk drawers, which have 12 Gb Serial Attached SCSI (SAS) interfaces and support Active Optical Cables (AOCs) for greater distances and less cable bulk. New IBM EnergyScale™ technology offers new variable processor frequency modes that provide a significant performance boost beyond the static nominal frequency. This publication is for professionals who want to acquire a better understanding of IBM Power Systems™ products. The intended audience includes the following roles: Clients Sales and marketing professionals Technical support professionals IBM Business Partners Independent software vendors (ISVs) This paper expands the current set of Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power E950 server. This paper does not replace the current marketing materials and configuration tools. It is intended as an extra source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

Blown to Bits

The Future of the Internet—And How to Stop It

ERP Demystified

The Money Market Directory of Small Pension Funds

As Compiled by the Chief Administrative Officer from ...

The Australian Accountant

Are you stuck in an unsatisfying job or feel like you're in the wrong profession? An industry that just isn't a fit? Don't just settle but succeed in the right career! Get unstuck and land a new career/one you're genuinely passionate about. Switchers helps you realize that dream. Written by celebrated career coach and psychologist Dr. Dawn Graham, the book provides proven strategies that will get you where you want to go. The first step is to recognize that the usual rules and job search tools won't work for you. Resumes and job boards were designed with traditional applicants in mind. As a career switcher, you have to go beyond the basics, using tactics tailor-made to ensure your candidacy stands out. In Switchers, Dr. Graham reveals how to: Understand the concerns of hiring managers Craft a resume that catches their attention within six seconds Spotlight transferable skills that companies covet Rebrand yourself/aligning your professional identity with your new aspirations Reach decision-makers by recruiting (ambassadors!) from within your network Nail interviews by turning tough questions to your advantage Convince skeptical employers to shelve their assumptions and take a chance on you Negotiate a competitive salary and benefits package Packed with psychological insights, practical exercises, and inspiring success stories, Switchers helps you leap over obstacles and into a whole new field. This guide will help you pull off the most daring/and fulfilling/career move of your life!

This publication shares the successes of the International Space Station (ISS) in this second edition of the International Space Station Benefits for Humanity. The ISS is a unique scientific platform that has existed since 1998. The tremendous value of the ISS began through the engineering achievement evolving over a decade. Components were built in various countries around the world—all without the benefit of prior ground testing—allowing us to learn a vast amount about construction and about how humans and spacecraft systems function in orbit. This testament to the international achievement exemplifies cultural harmonization through cooperative teamwork leading to an international partnership that has continued to flourish and foster international cooperation. While each ISS partner has distinct agency goals for research conducted, a unified goal exists to extend the knowledge gleaned to benefit all humankind. In the first edition of the book, released in 2012, the scientific, technological and educational accomplishments of ISS research that have an impact on life on Earth were summarized through a compilation of stories. The many benefits being realized were primarily in the areas of human health, Earth observations and disaster response, and global education. This second edition includes updated statistics on the impacts of those benefits as well as new benefits that have developed since the first publication. In addition, two new sections have been added to the book: Economic Development of Space and Innovative Technology. Economic Development of Space highlights case studies from public-private partnerships that are leading to a new economy in low-Earth orbit (LEO). Businesses provide both transportation to the ISS as well as some research facilities and services. These relationships promote a paradigm shift of government-funded, contractor-provided goods and services to commercially-provided goods purchased by government agencies. Other examples include commercial firms spending their research and development dollars to conduct investigations on ISS and commercial service providers selling services directly to ISS users. This section provides examples of the use of ISS as a testbed for new business relationships and illustrates successful partnerships. The second new section, Innovative Technology, merges technology demonstration and physical science findings that promise to return Earth benefits through continued research. Examples include robotic refueling concepts for life extensions of costly satellites in geo-synchronous orbit that have applications to the robotics industry on Earth, flame behavior experiments that reveal insight into how fuel burns in microgravity leading to the possibility of improving engine efficiency on Earth, and nanostructures and smart fluids examples of materials improvements that are being developed using data from ISS. This publication also expands the benefits of research results in human health, environmental change and disaster response and in education activities developed to capture student imaginations in support of Science, Technology, Engineering and Mathematics, or STEM, education, internationally. Applications to human health of the knowledge gained on ISS continue to grow and improve healthcare technologies and our understanding of human physiology. The ISS is a stepping stone for future space exploration, as the only orbiting multi-disciplinary laboratory of its kind returning research results that develop LEO and improve life on our planet. The goal of this publication is to serve as a source of pride to those who read it and learn of the unique shared laboratory orbiting our planet that provides ground for critical technologies and ways to keep humans healthy in space.

The consumer electronics market has never been as awash with new consumer products as it has over the last couple of years. The devices that have emerged on the scene have led to major changes in the way consumers listen to music, access the Internet, communicate, watch videos, play games, take photos, operate their automobiles—even live. Digital electronics has led to these leaps in product development, enabling easier exchange of media, cheaper and more reliable products, and convenient services. This handbook is a much-needed, comprehensive engineering guide to the dynamic world of today's digital consumer electronics. It provides complete details on key enabling technologies, standards, delivery and reception systems, products, appliances and networking systems. Each chapter follows a logical progression from a general overview of each device, to market dynamics, to the core technologies and components that make up that particular product. The book thoroughly covers all of the key digital consumer product categories: digital TV, digital audio, mobile communications devices, gaming consoles, DVD players, PCs and peripherals, display devices, digital imaging devices, web terminals and pads, PDAs and other handhelds, screenphones/videophones, telematics devices, eBooks and readers, and many other current and future products. To receive a FREE daily newsletter on displays and consumer electronics, go to: http://www.displaydaily.com/ Surveys crucial engineering information for every digital consumer product category, including cell phones, digital TVs, digital cameras, PDAs and many more!the only reference available to do so -Has extremely broad market appeal to embedded systems professionals, including engineers, programmers, engineering managers, marketing and sales personnel! 1,000,000+ potential readers -Helps engineers and managers make the correct design decisions based on real-world data

Commerce Business Daily

Technological, Political, Global, and Creative Perspectives

A Novel

Space Station Systems

The Hidden Brain

Materials Handling News

Sodium bicarbonate happens to be one of our most useful medicines because bicarbonate physiology is fundamental to life and health. We are talking about serious medicine when we talk about sodium bicarbonate.

The hidden brain is the voice in our ear when we make the most important decisions in our lives—but we're never aware of it. The hidden brain decides whom we fall in love with and whom we hate. It tells us to vote for the white candidate and convict the dark-skinned defendant, to hire the thin woman but pay her less than the man doing the same job. It can direct us to safety when disaster strikes and move us to extraordinary acts of altruism. But it can also be manipulated to turn an ordinary person into a suicide terrorist or a group of bystanders into a mob. In a series of compulsively readable narratives, Shankar Vedantam journeys through the latest discoveries in neuroscience, psychology, and behavioral science to uncover the darkest corner of our minds and its decisive impact on the choices we make as individuals and as a society. Filled with fascinating characters, dramatic storytelling, and cutting-edge science, this is an engrossing exploration of the secrets our brains keep from us—and how they are revealed.

Everything you need to know to lead effective and engaging project-based learning! This timely and practical book shows how to implement academically-rich classroom projects that teach the all-important skill of inquiry. Teachers will find: A research-driven case for project-based learning, supported by current findings on brain development and connections with Common Core standards Numerous sample projects for every K-12 grade-level Strategies for integrating project-based learning within all main subject areas, across disciplines, and with current technology and social media Ideas for involving the community through student field research, special guests, and showcasing student work

The Digital Consumer Technology Handbook

How Our Unconscious Minds Elect Presidents, Control Markets, Wage Wars, and Save Our Lives

Business World

A Guide to Personal Finance for Adults with Attention-Deficit Disorder

Principles of Information Systems

North & South America

The Britannica Book of the Year 2010 provides a valuable viewpoint of the people and events that shaped the year and serves as a great reference source for the latest news on the ever changing populations, governments, and economies throughout the world. It is an accurate and comprehensive reference that you will reach for again and again.

Covers receipts and expenditures of appropriations and other funds.

The book serves as a first introduction to computer programming of scientific applications, using the high-level Python language. The exposition is example and problem-oriented, where the applications are taken from mathematics, numerical calculus, statistics, physics, biology and finance. The book teaches "Matlab-style" and procedural programming as well as object-oriented programming. High school mathematics is a required background and it is advantageous to study classical and numerical one-variable calculus in parallel with reading this book. Besides learning how to program computers, the reader will also learn how to solve mathematical problems, arising in various branches of science and engineering, with the aid of numerical methods and programming. By blending programming, mathematics and scientific applications, the book lays a solid foundation for practicing computational science. From the reviews: Langtangen ... does an excellent job of introducing programming as a set of skills in problem solving. He guides the reader into thinking properly about producing program logic and data structures for modeling real-world problems using objects and functions and embracing the object-oriented paradigm. ... Summing Up: Highly recommended. F. H. Wild III, Choice, Vol. 47 (8), April 2010 Those of us who have learned scientific programming in Python 'on the streets' could be a little jealous of students who have the opportunity to take a course out of Langtangen's Primer. " John D. Cook, The Mathematical Association of America, September 2011 This book goes through Python in particular, and programming in general, via tasks that scientists will likely perform. It contains valuable information for students new to scientific computing and would be the perfect bridge between an introduction to programming and an advanced course on numerical methods or computational science. Alex Small, IEEE, CISE Vol. 14 (2), March /April 2012 "This fourth edition is a wonderful, inclusive textbook that covers pretty much everything one needs to know to go from zero to fairly sophisticated scientific programming in Python..." Joan Horvath, Computing Reviews, March 2015

The Martian

A Managerial Approach

Event Solutions

Artificial Intelligence, China, Russia, and the Global Order

A Guide for the Penetration Tester

Trademarks

"Artificial intelligence (AI) and big data promise to help reshape the global order. For decades, most political observers believed that liberal democracy offered the only plausible future pathways for big, industrially sophisticated countries to make their citizens rich. Now, by allowing governments to monitor, understand, and control their citizens far more effectively than ever before, AI offers a plausible way for big, economically advanced countries to make their citizens rich while maintaining control over them—the first since the end of the Cold War. That may help fuel and shape renewed international competition between types of political regimes that are all becoming more “digital.” Just as competition between liberal democratic, fascist, and communist social systems defined much of the twentieth century, how may the struggle between digital liberal democracy and digital authoritarianism define and shape the twenty-first? This work highlights several key areas where AI-related technologies have clear implications for globally integrated strategic planning and requirements development”--

Every day, billions of photographs, news stories, songs, X-rays, TV shows, phone calls, and emails are being scattered around the world as sequences of zeroes and ones: bits. We can't escape this explosion of digital information and few of us want to—the benefits are too seductive. The technology has enabled unprecedented innovation, collaboration, entertainment, and democratic participation. But the same engineering marvels are shattering centuries-old assumptions about privacy, identity, free expression, and personal control as more and more details of our lives are captured as digital data. Can you control who sees all that personal information about you? Can email be truly confidential, when nothing seems to be private? Shouldn't the Internet be censored the way radio and TV are? is it really a federal crime to download music? When you use Google or Yahoo! to search for something, how do they decide which sites to show you? Do you still have free speech in the digital world? Do you have a voice in shaping government or corporate policies about any of this? Blown to Bits offers provocative answers to these questions and tells intriguing real-life stories. This book is a wake-up call To The human consequences of the digital explosion.

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Microform, Video, and Electronic Media Librarianship

Assets \$1 - \$25 Million

Proceedings of the ENTER 2021 eTourism Conference, January 19–22, 2021

How Smart Professionals Change Careers - and Seize Success

Switchers

IBM Power System E980: Technical Overview and Introduction

This book presents ARCADIA—a tooled method devoted to systems and architecture engineering, especially for those dealing with strong constraints to be reconciled (cost, performance, safety, security, reuse, consumption, weight). The book describes the detailed reasoning necessary to: understand the real customer need; define and share the product architecture among all engineering stakeholders; early validate its design and justify it; and ease and master integration, validation, verification and qualification (IVQ). Offers a comprehensive examination of system modeling, but rather a journey in systems engineering, enlightening the use of models to support it. Focuses on solitary modeling tasks while also covering prime collaborations between engineering stakeholders Examines modeling techniques to capture and share architecture and to early verify it against need and non-functional constraints Addresses subjects not usually covered by model-based system engineering (MBSE) methods, such as co-engineering with specialties, system/sub-system co-engineering, integration verification and validation Features a portfolio of engineering issues, an introduction to MBSE, a presentation of the method for beginners and a handy reference manual for advanced users

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

Enterprise Resource Planning (ERP) is an enterprise-wide software solution that integrates and automates business functions of an organization. This real-time information integration across the organization's functional areas increases operational efficiencies and helps managers to arrive at better decisions making the organization more competitive.Today having an ERP system is not a luxury, but a necessity. A robust ERP system along with a fully trained workforce is a must for an organization's survival.

Enterprise Resource Planning

Thinking Through Project-Based Learning

International Space Station Benefits for Humanity Np-2015-01-001-jsc

Guiding Deeper Inquiry

Your Life, Liberty, and Happiness After the Digital Explosion

Statement of Disbursements of the House

When you have attention-deficit disorder (ADD), you don't spend money like most other people. Past-due bills and impulsive spending can throw your finances into turmoil, and because these financial pitfalls are directly related to your ADD symptoms, they can seem impossible to overcome. The good news is that it is possible to get ADD-related financial disorganization under control and begin to enjoy a more stable relationship to your money. ADD and Your Money will show you how. This friendly guide, written with your ADD in mind, includes information on everything you need to know about managing your finances and staying in control. With this book as your guide, you will learn to: • Keep track of your bills • Create a budget that works • Get debt under control • Find ADD-friendly bank services • Plan around your splurges • Make time-management a priority If you're ready to start focusing on your future financial success, this book can help you start making lasting changes today.

This open access book is the proceedings of the International Federation for IT and Travel & Tourism (IFFIT)'s 28th Annual International eTourism Conference, which assembles the latest research presented at the ENTER21@yourplace virtual conference January 19-22, 2021. This book advances the current knowledge base of information and communication technologies and tourism in the areas of social media and sharing economy, technology including AI-driven technologies, research related to destination management and innovations, COVID-19 repercussions, and others. Readers will find a wealth of state-of-the-art insights, ideas, and case studies on how information and communication technologies can be applied in travel and tourism as we encounter new opportunities and challenges in an unpredictable world.

This IBM® Redpaper™ publication provides a broad understanding of a new architecture of the IBM Power System E980 (9080-M95) server that supports IBM AIX®, IBM i, and Linux operating systems (OSes). The objective of this paper is to introduce the major innovative Power E980 offerings and relevant functions: The IBM POWER8™ processor, which is available at frequencies of 3.55 - 4.0 GHz. Significantly strengthened cores and larger caches. Supports up to 64 TB memory. Integrated I/O subsystem and hot-pluggable Peripheral Component Interconnect Express (PCIe) Gen4 slots, double the bandwidth of Gen3 I/O slots. Supports EXP12SX and ESP24SX external disk drawers, which have 12 GB SAS interfaces and double the existing EXP24S drawer bandwidth. New IBM EnergyScale™ technology offers new variable processor frequency modes that provide a significant performance boost beyond the static nominal frequency. This publication is for professionals who want to acquire a better understanding of IBM Power Systems™ products. The intended audience includes the following roles: Clients Sales and marketing professionals Technical support professionals IBM Business Partners Independent software vendors (ISVs) This paper expands the current set of IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power E980 server. This paper does not replace the current marketing materials and configuration tools. It is intended as an extra source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

A Comprehensive Guide to Devices, Standards, Future Directions, and Programmable Logic Solutions

Forbes

A Primer on Scientific Programming with Python

City of Fiends

Computerworld

Who Owns Whom

The revised and updated edition includes the latest developments in the field of ERP, information technology and new technologies that are changing the ERP landscape. Divided into eight sections, the book covers ERP Basics, ERP and Technology, ERP Implementation, Operation and Maintenance of the ERP system, Business Modules of ERP, ERP Market, Present and Future of ERP, ERP Resources, Case studies, Career guidance, Manufacturing perspective, etc.

Introduction to Business covers the scope and sequence of most introductory business courses. The book provides detailed explanations in the context of core themes such as customer satisfaction, ethics, entrepreneurship, global business, and managing change. Introduction to Business includes hundreds of current business examples from a range of industries and geographic locations, which feature a variety of individuals. The outcome is a balanced approach to the theory and application of business concepts, with attention to the knowledge and skills necessary for student success in this course and beyond.

The city gates are closed: the killer is within the walls... England, 1327. Sir Baldwin and his friend Bailiff Simon Puttock have a major problem. The deposed King Edward II, imprisoned under their guard, has escaped. They must ride hard to Exeter to inform the sheriff. But the sheriff has problems of his own. Overnight, the body of a young maid has been discovered in a dirty alleyway. The city's gates had been shut against the lawlessness outside, so the perpetrator must still be in the town. He tasks Baldwin with uncovering the truth behind this murder. But, with England in tumult, his task will be far from easy... The thirty-first instalment in the Last Templar Mysteries series, perfect for fans of Bernard Cornwell and Philippa Gregory.

Sodium Bicarbonate

Official Gazette of the United States Patent and Trademark Office

For the Successful Event Professional

The Car Hacker's Handbook

Information and Communication Technologies in Tourism 2021

ADD and Your Money

Nominated as one of America's best-loved novels by PBS's The Great American Read Six days ago, astronaut Mark Watney became one of the first people to walk on Mars. Now, he's sure he'll be the first person to die there. After a dust storm nearly kills him and forces his crew to evacuate while thinking him dead, Mark finds himself stranded and completely alone with no way to even signal Earth that he's alive—and even if he could get word out, his supplies would be gone long before a rescue could arrive. Chances are, though, he won't have time to starve to death. The damaged machinery, unforgiving environment, or plain-old "human error" are much more likely to kill him first. But Mark isn't ready to give up yet. Drawing on his ingenuity, his engineering skills—and a relentless, dogged refusal to quit—he steadfastly confronts one seemingly insurmountable obstacle after the next. Will his resourcefulness be enough to overcome the impossible odds against him?

Model-based System and Architecture Engineering with the Arcadia Method

Statement of Disbursements of the House as Compiled by the Chief Administrative Officer from ...

Britannica Book of the Year 2010

IBM Power System E950: Technical Overview and Introduction

Introduction to Business

Supplement