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iCEER2014-McMaster Digest - Mohamed Bakr
2014-11-18

International Conference on Engineering
Education and Research

Economics of Grids, Clouds, Systems, and
Services - Congduc Pham 2017-10-14

This book constitutes the refereed proceedings of the 14th International Conference on Economics of Grids, Clouds, Systems, and Services, GECON 2017, held in Biarritz, France, in September 2017. The 10 full papers and 10 short papers presented together with 3 invited talks were carefully reviewed and selected from 38 submissions. This volume of the GECON 2017 proceedings has been structured in sections following the sessions that comprised the conference program: Pricing in Cloud and Quality of Service, Work in Progress on Service Management, Work in Progress on Business models and Community Cooperation, Work in Progress on Energy Efficiency and Resource Management, Resource Management, Edge Computing, Cloud Federation; and Work in Progress on Service Selection and Coordination.

Radical Solutions and Learning Analytics -
Daniel Burgos 2020-05-08

Learning Analytics become the key for Personalised Learning and Teaching thanks to the storage, categorisation and smart retrieval of Big Data. Thousands of user data can be tracked online via Learning Management Systems, instant messaging channels, social networks and other ways of communication. Always with the explicit authorisation from the end user, being a student, a teacher, a manager or a persona in a different role, an instructional

designer can design a way to produce a practical dashboard that helps him improve that very user's performance, interaction, motivation or just grading. This book provides a thorough approach on how education, as such, from teaching to learning through management, is improved by a smart analysis of available data, making visible and useful behaviours, predictions and patterns that are hinder to the regular eye without the process of massive data.

**Advances in Internet, Data and Web
Technologies** - Leonard Barolli 2021-03-22

This book presents original contributions to the theories and practices of emerging Internet, data and web technologies and their applicability in businesses, engineering and academia. The Internet has become the most proliferative platform for emerging large-scale computing paradigms. Among these, data and web technologies are two most prominent paradigms, in a variety of forms such as data centers, cloud computing, mobile cloud, mobile web services and so on. These technologies altogether create a digital ecosystem whose cornerstone is the data cycle, from capturing to processing, analysis and visualization. The investigation of various research and development issues in this digital ecosystem is boosted by the ever-increasing needs of real-life applications, which are based on storing and processing large amounts of data. As a key feature, this book addresses advances in the life cycle exploitation of data generated from the digital ecosystem data technologies that create value for the knowledge and businesses toward a collective intelligence approach. Researchers,

software developers, practitioners and students interested in the field of data and web technologies will find this book useful and a reference for their activity.

Model Rules of Professional Conduct -

American Bar Association. House of Delegates 2007

The Model Rules of Professional Conduct provides an up-to-date resource for information on legal ethics. Federal, state and local courts in all jurisdictions look to the Rules for guidance in solving lawyer malpractice cases, disciplinary actions, disqualification issues, sanctions questions and much more. In this volume, black-letter Rules of Professional Conduct are followed by numbered Comments that explain each Rule's purpose and provide suggestions for its practical application. The Rules will help you identify proper conduct in a variety of given situations, review those instances where discretionary action is possible, and define the nature of the relationship between you and your clients, colleagues and the courts.

Smart Cities Policies and Financing - John Vacca 2022-01-19

Smart Cities Policies and Financing: Approaches and Solutions is the definitive professional reference for harnessing the full potential of policy making and financial planning in smart cities. It covers the effective tools for capturing the dynamic relations between people, policies, financing, and environments, and where they are most often useful and effective for all relevant stakeholders. The book examines the key role of science, technology, and innovation (STI) - especially in information and communications technologies - in the design, development, and management of smart cities policies and financing. It identifies the problems and offers practical solutions in implementation of smart infrastructure policies and financing. Smart Cities Policies and Financing is also about how the implementation of smart infrastructure projects (related to the challenges of the lack of financing and the application of suitable policies) underlines the key roles of science, technology and innovation (STI) communities in addressing these challenges and provides key policies and financing that will help guide the design and development of smart cities. Brings together experts from academia, government and

industry to offer state-of-the-art solutions for improving the lives of billions of people in cities around the globe Creates awareness among governments of the various policy tools available, such as output-based contracting, public-private partnerships, procurement policies, long-term contracting, and targeted research funds in order to promote smart infrastructure implementation, and encouraging the use of such tools to shape markets for smart infrastructure and correct market failures Ensures the inclusiveness of smart city projects by adequately addressing the special needs of marginalized sections of society including the elderly, persons with disabilities, and inhabitants of informal settlements and informal sectors Ensures gender considerations in the design of smart cities and infrastructure through the use of data generated by smart systems to make cities safer and more responsive to the needs of women Demonstrate practical implementation through real-life case studies Enhances reader comprehension using learning aids such as hands-on exercises, checklists, chapter summaries, review questions, and an extensive appendix of additional resources

OECD Digital Economy Outlook 2015 - OECD 2015-07-15

This book provides an integrated analysis of trends, indicators and policy developments in the expanding digital economy.

Green Services Engineering, Optimization, and Modeling in the Technological Age - Liu, Xiaodong 2015-07-07

Concerns surrounding environmental sustainability have led to an increase of interest in environmentally-friendly systems. In the ICT realm, attention has been largely paid to green aspects of hardware; however, it is equally necessary to address this issue from the software perspective. Green Services Engineering, Optimization, and Modeling in the Technological Age is a valuable reference source of the latest scholarly research on the implementation of green processes into software systems, contributing novel principles, methodologies, and tools to improve software development. Featuring comprehensive and timely coverage on various areas in service strategy and modeling, engineering, and sustainability, this publication is a pivotal

reference source for researchers, practitioners, advanced-level students, and end users in the software development realm.

Web Services: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2018-12-07

Web service technologies are redefining the way that large and small companies are doing business and exchanging information. Due to the critical need for furthering automation, engagement, and efficiency, systems and workflows are becoming increasingly more web-based. Web Services: Concepts, Methodologies, Tools, and Applications is an innovative reference source that examines relevant theoretical frameworks, current practice guidelines, industry standards and standardization, and the latest empirical research findings in web services. Highlighting a range of topics such as cloud computing, quality of service, and semantic web, this multi-volume book is designed for computer engineers, IT specialists, software designers, professionals, researchers, and upper-level students interested in web services architecture, frameworks, and security.

Building the Hyperconnected Society- Internet of Things Research and Innovation Value Chains, Ecosystems and Markets - Ovidiu Vermesan 2022-09-01

This book aims to provide a broad overview of various topics of Internet of Things (IoT), ranging from research, innovation and development priorities to enabling technologies, nanoelectronics, cyber-physical systems, architecture, interoperability and industrial applications. All this is happening in a global context, building towards intelligent, interconnected decision making as an essential driver for new growth and co-competition across a wider set of markets. It is intended to be a standalone book in a series that covers the Internet of Things activities of the IERC - Internet of Things European Research Cluster from research to technological innovation, validation and deployment. The book builds on the ideas put forward by the European Research Cluster on the Internet of Things Strategic Research and Innovation Agenda, and presents global views and state of the art results on the challenges facing the research, innovation,

development and deployment of IoT in future years. The concept of IoT could disrupt consumer and industrial product markets generating new revenues and serving as a growth driver for semiconductor, networking equipment, and service provider end-markets globally. This will create new application and product end-markets, change the value chain of companies that create the IoT technology and deploy it in various end sectors, while impacting the business models of semiconductor, software, device, communication and service provider stakeholders. The proliferation of intelligent devices at the edge of the network with the introduction of embedded software and app-driven hardware into manufactured devices, and the ability, through embedded software/hardware developments, to monetize those device functions and features by offering novel solutions, could generate completely new types of revenue streams. Intelligent and IoT devices leverage software, software licensing, entitlement management, and Internet connectivity in ways that address many of the societal challenges that we will face in the next decade.

Security Designs for the Cloud, IoT, and Social Networking - Dac-Nhuong Le 2019-10-10

Security concerns around the rapid growth and variety of devices that are controlled and managed over the Internet is an immediate potential threat to all who own or use them. This book examines the issues surrounding these problems, vulnerabilities, what can be done to solve the problems, investigating the roots of the problems and how programming and attention to good security practice can combat the threats today that are a result of lax security processes on the Internet of Things, cloud computing and social media.

Decision Management: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2017-01-30

The implementation of effective decision making protocols is crucial in any organizational environment in modern society. Emerging advancements in technology and analytics have optimized uses and applications of decision making systems. **Decision Management: Concepts, Methodologies, Tools, and**

Applications is a compendium of the latest academic material on the control, support, usage, and strategies for implementing efficient decision making systems across a variety of industries and fields. Featuring comprehensive coverage on numerous perspectives, such as data visualization, pattern analysis, and predictive analytics, this multi-volume book is an essential reference source for researchers, academics, professionals, managers, students, and practitioners interested in the maintenance and optimization of decision management processes.

Enhanced Discovering Computers - Misty E. Vermaat 2014-02-15

Based on extensive customer feedback, DISCOVERING COMPUTERS ©2014 has been completely reexamined and revised to reflect the evolving needs of the concepts portion of the Introductory Computing course. This exciting new edition maintains many longstanding hallmarks, but is now highly focused on relevancy to provide students only with what they really need to know to be successful digital citizens in college and beyond. To better reflect the importance of certain topics in today's digital world, coverage of enterprise computing, ethics, Internet research skills, mobile computing, operating systems (other than Windows), browsers, security, and Web 2.0 has been expanded and integrated. New critical thinking and problem solving exercises are included in every feature throughout the text, engaging students in regular practice of higher-order thinking skills. In addition, students have more opportunity for hands-on practice with the completely revised end-of-chapter activities. With these enhancements and more, the new DISCOVERING COMPUTERS is an even more engaging teaching and learning tool for your classroom. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Teachers Discovering Computers: Integrating Technology in a Changing World - Glenda A. Gunter 2014-08-13

TEACHERS DISCOVERING COMPUTERS: INTEGRATING TECHNOLOGY IN A CHANGING WORLD, EIGHTH EDITION introduces future educators to technology and digital media in

order to help them successfully teach the current generation of digital students. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Psychological and Pedagogical Considerations in Digital Textbook Use and Development

- Railean, Elena 2015-04-30

"This book offers balanced coverage of the technological solutions that contribute to the design of digital textbooks and contribute to achieving learning objectives, offering an emphasis on assessment mechanisms and learning theory"--

Mathematics for Machine Learning - Marc Peter Deisenroth 2020-04-23

The fundamental mathematical tools needed to understand machine learning include linear algebra, analytic geometry, matrix decompositions, vector calculus, optimization, probability and statistics. These topics are traditionally taught in disparate courses, making it hard for data science or computer science students, or professionals, to efficiently learn the mathematics. This self-contained textbook bridges the gap between mathematical and machine learning texts, introducing the mathematical concepts with a minimum of prerequisites. It uses these concepts to derive four central machine learning methods: linear regression, principal component analysis, Gaussian mixture models and support vector machines. For students and others with a mathematical background, these derivations provide a starting point to machine learning texts. For those learning the mathematics for the first time, the methods help build intuition and practical experience with applying mathematical concepts. Every chapter includes worked examples and exercises to test understanding. Programming tutorials are offered on the book's web site.

A Comprehensive Guide to 5G Security - Madhusanka Liyanage 2018-03-19

The first comprehensive guide to the design and implementation of security in 5G wireless networks and devices Security models for 3G and 4G networks based on Universal SIM cards worked very well. But they are not fully applicable to the unique security requirements of 5G networks. 5G will face additional

challenges due to increased user privacy concerns, new trust and service models and requirements to support IoT and mission-critical applications. While multiple books already exist on 5G, this is the first to focus exclusively on security for the emerging 5G ecosystem. 5G networks are not only expected to be faster, but provide a backbone for many new services, such as IoT and the Industrial Internet. Those services will provide connectivity for everything from autonomous cars and UAVs to remote health monitoring through body-attached sensors, smart logistics through item tracking to remote diagnostics and preventive maintenance of equipment. Most services will be integrated with Cloud computing and novel concepts, such as mobile edge computing, which will require smooth and transparent communications between user devices, data centers and operator networks. Featuring contributions from an international team of experts at the forefront of 5G system design and security, this book: Provides priceless insights into the current and future threats to mobile networks and mechanisms to protect it Covers critical lifecycle functions and stages of 5G security and how to build an effective security architecture for 5G based mobile networks Addresses mobile network security based on network-centricity, device-centricity, information-centricity and people-centricity views Explores security considerations for all relative stakeholders of mobile networks, including mobile network operators, mobile network virtual operators, mobile users, wireless users, Internet-of things, and cybersecurity experts Providing a comprehensive guide to state-of-the-art in 5G security theory and practice, A Comprehensive Guide to 5G Security is an important working resource for researchers, engineers and business professionals working on 5G development and deployment.

Women and Ideas in Engineering - Laura D. Hahn 2018-07-20

The increasing presence of women within engineering programs is one of today's most dramatic developments in higher education. Long before, however, a group of talented and determined women carved out new paths in the College of Engineering at the University of Illinois. Laura D. Hahn and Angela S. Wolters

bring to light the compelling hidden stories of these pioneering figures. When Mary Louisa Page became the College's first female graduate in 1879, she also was the first American woman ever awarded a degree in architecture. Bobbie Johnson's insistence on "a real engineering job" put her on a path to the Apollo and Skylab programs. Grace Wilson, one of the College's first female faculty members, taught and mentored a generation of women. Their stories and many others illuminate the forgotten history of women in engineering. At the same time, the authors offer insights into the experiences of today's women from the College -- a glimpse of a brighter future, one where more women in STEM fields apply their tireless dedication to the innovations that shape a better tomorrow.

Cloud Computing - Sandeep Bhowmik
2017-04-30

Written in a tutorial style, this comprehensive guide follows a structured approach explaining cloud techniques, models and platforms. Popular cloud services such as Amazon, Google and Microsoft Azure are explained in the text. The security risks and challenges of cloud computing are discussed in detail with useful examples. Emerging trends including mobile cloud computing and internet of things are discussed in the book for the benefit of the readers. Numerous review questions, multiple choice exercises and case studies facilitate enhanced understanding. This textbook is ideal for undergraduate and graduate students of computer science engineering, and information technology.

ICAS2014-International Conference on Analytics Driven Solutions - Eduardo Rodriguez
2014-09-10

Cloud Security: Concepts, Methodologies, Tools, and Applications - Management

Association, Information Resources 2019-04-01

Cloud computing has experienced explosive growth and is expected to continue to rise in popularity as new services and applications become available. As with any new technology, security issues continue to be a concern, and developing effective methods to protect sensitive information and data on the cloud is imperative. Cloud Security: Concepts, Methodologies, Tools, and Applications explores the difficulties and

challenges of securing user data and information on cloud platforms. It also examines the current approaches to cloud-based technologies and assesses the possibilities for future advancements in this field. Highlighting a range of topics such as cloud forensics, information privacy, and standardization and security in the cloud, this multi-volume book is ideally designed for IT specialists, web designers, computer engineers, software developers, academicians, researchers, and graduate-level students interested in cloud computing concepts and security.

Machine Learning and Deep Learning Techniques in Wireless and Mobile Networking Systems - K. Suganthi 2021-09-14

This book offers the latest advances and results in the fields of Machine Learning and Deep Learning for Wireless Communication and provides positive and critical discussions on the challenges and prospects. It provides a broad spectrum in understanding the improvements in Machine Learning and Deep Learning that are motivating by the specific constraints posed by wireless networking systems. The book offers an extensive overview on intelligent Wireless Communication systems and its underlying technologies, research challenges, solutions, and case studies. It provides information on intelligent wireless communication systems and its models, algorithms and applications. The book is written as a reference that offers the latest technologies and research results to various industry problems.

Information Technology for Management: New Ideas and Real Solutions - Ewa Ziemia 2017-01-27

This book constitutes revised selected papers from the 14th Conference on Advanced Information Technologies for Management, AITM 2016, and the 11th Conference on Information Systems Management, ISM 2016, held as part of the Federated Conference on Computer Science and Information Systems, FedCSIS, which took place in Gdansk, Poland, in September 2016. The 13 papers presented in this volume were carefully reviewed and selected from 51 submissions. They were organized in topical sections named: information technology and systems for knowledge management; information technology and

systems for business transformation; and implementation and evaluation of information systems.

Global Perspectives on Issues and Solutions in Urban Education - Petra A. Robinson 2019-03-01

In 2014, The Urban Education Collaborative at the University of North Carolina at Charlotte hosted its first biennial International Conference on Urban Education (ICUE) in Montego Bay, Jamaica. In 2016, the second hosting of the conference took place in San Juan, Puerto Rico. Additionally, in 2018, the third hosting of the conference took place in Nassau, Bahamas. These solution-focused conferences brought together students, teachers, scholars, public sector and business professionals as well as others from around the world to present their research and best practices on various topics pertaining to urban education. With ICUE's inspiration, this book is a response to the growing need to highlight the multifaceted aspects of urban education particularly focusing on common issues and solutions in urban environments (e.g., family and community engagement, student academic achievement, teacher preparation and professional development, targeted instructional and disciplinary interventions, opportunity gaps, culturally-relevant and sustaining practices, etc.). Additionally, with this book, we seek to better understand the challenges facing urban educators and students and to offer progressive initiatives toward resolutions. This unique compilation of work is organized under four major themes all targeted at critically addressing concerns that may inhibit the success of urban learners and providing solutions that have implications for curriculum design, development, and delivery; teacher preparation and teaching diverse populations; career readiness and employment; and even more nuanced issues related to foster care, undocumented students and mental health, sustainable consumption, childhood marriage, food deserts, and marine life and urban communities.

Energy Time Series Forecasting - Lars Dannecker 2015-08-06

Lars Dannecker developed a novel online forecasting process that significantly improves

how forecasts are calculated. It increases forecasting efficiency and accuracy, as well as allowing the process to adapt to different situations and applications. Improving the forecasting efficiency is a key pre-requisite for ensuring stable electricity grids in the face of an increasing amount of renewable energy sources. It is also important to facilitate the move from static day ahead electricity trading towards more dynamic real-time marketplaces. The online forecasting process is realized by a number of approaches on the logical as well as on the physical layer that we introduce in the course of this book. Nominated for the Georg-Helm-Preis 2015 awarded by the Technische Universität Dresden.

Learning and Performance Assessment: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2019-10-11

As teaching strategies continue to change and evolve, and technology use in classrooms continues to increase, it is imperative that their impact on student learning is monitored and assessed. New practices are being developed to enhance students' participation, especially in their own assessment, be it through peer-review, reflective assessment, the introduction of new technologies, or other novel solutions. Educators must remain up-to-date on the latest methods of evaluation and performance measurement techniques to ensure that their students excel.

Learning and Performance Assessment: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines emerging perspectives on the theoretical and practical aspects of learning and performance-based assessment techniques and applications within educational settings.

Highlighting a range of topics such as learning outcomes, assessment design, and peer assessment, this multi-volume book is ideally designed for educators, administrative officials, principals, deans, instructional designers, school boards, academicians, researchers, and education students seeking coverage on an educator's role in evaluation design and analyses of evaluation methods and outcomes.

New Perspectives on Computer Concepts 2014: Comprehensive - June Jamrich Parsons 2013-03-11

Go beyond computing basics with the award-winning *NEW PERSPECTIVES ON COMPUTER CONCEPTS*. Designed to get you up-to-speed on essential computer literacy skills, this market leading text goes deeper, providing technical and practical information relevant to everyday life. *NEW PERSPECTIVES ON COMPUTER CONCEPTS 2014* incorporates significant technology trends that affect computing and everyday life; such as concerns for data security, personal privacy, online safety, controversy over digital rights management, interest in open source software and portable applications, and more. In addition, coverage of Microsoft Windows 8 and Office 2013 will introduce you to the exciting new features of Microsoft's next generation of software. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Advances in Ubiquitous Networking - Essaid Sabir 2016-02-02

This volume publishes new trends and findings in hot topics related to ubiquitous computing/networking. It is the outcome of UNet - a international scientific event that took place on September 08-10, 2015, in the fascinating city of Casablanca, Morocco. UNet'15 is technically sponsored by IEEE Morocco Section and IEEE COMSOC Morocco Chapter.

Evolutionary Computing and Mobile Sustainable Networks - V. Suma 2022

This book mainly reflects the recent research works in evolutionary computation technologies and mobile sustainable networks with a specific focus on computational intelligence and communication technologies that widely ranges from theoretical foundations to practical applications in enhancing the sustainability of mobile networks. Today, network sustainability has become a significant research domain in both academia and industries present across the globe. Also, the network sustainability paradigm has generated a solution for existing optimization challenges in mobile communication networks. Recently, the research advances in evolutionary computing technologies including swarm intelligence algorithms and other evolutionary algorithm paradigms are considered as the widely accepted descriptors for mobile sustainable

networks virtualization, optimization, and automation. To deal with the emerging impacts on mobile communication networks, this book discusses about the state-of-the research works on developing a sustainable design and their implementation in mobile networks. With the advent of evolutionary computation algorithms, this book contributes varied research chapters to develop a new perspective on mobile sustainable networks.

The "Essence" of Network Security: An End-to-End Panorama - Mohuya Chakraborty
2020-11-24

This edited book provides an optimal portrayal of the principles and applications related to network security. The book is thematically divided into five segments: Part A describes the introductory issues related to network security with some concepts of cutting-edge technologies; Part B builds from there and exposes the readers to the digital, cloud and IoT forensics; Part C presents readers with blockchain and cryptography techniques; Part D deals with the role of AI and machine learning in the context of network security. And lastly, Part E is written on different security networking methodologies. This is a great book on network security, which has lucid and well-planned chapters. All the latest security technologies are thoroughly explained with upcoming research issues. Details on Internet architecture, security needs, encryption, cryptography along with the usages of machine learning and artificial intelligence for network security are presented in a single cover. The broad-ranging text/reference comprehensively surveys network security concepts, methods, and practices and covers network security policies and goals in an integrated manner. It is an essential security resource for practitioners in networks and professionals who develop and maintain secure computer networks.

Interoperability and Open-Source Solutions for the Internet of Things - Ivana Podnar Žarko
2015-03-10

This book constitutes the thoroughly refereed post-conference proceedings of the International Workshop on Interoperability and Open-Source Solutions for the Internet of Things, FP7 OpenIoT Project, held in Conjunction with SoftCOM 2014, in Split, Croatia, in September 2014. The 11

revised full papers presented together with the extended abstracts of 2 keynote talks were carefully reviewed and selected from numerous submissions during two rounds of reviewing and improvement. The papers are organized in topical sections on OpenIoT platform, open platforms and standards, and IoT Applications.

Advanced Technological Solutions for E-Health and Dementia Patient Monitoring - Xhafa, Fatos 2015-01-31

Mental health is a growing field, but one still limited by a lack of prior research and challenged by increased demand for new solutions and treatments. Mobile and web-based technologies have the potential to fill some of the gaps. Advanced Technological Solutions for E-Health and Dementia Patient Monitoring provides comprehensive coverage of issues in patient health and support from the perspectives of doctors, nurses, patients, and caregivers. With its focus on challenges and opportunities, as well as future research in the field, this book is a vital reference for researchers, scholars, advanced students, software developers, managers, and stakeholders working at the forefront of e-health systems.

Blockchain-enabled Fog and Edge Computing: Concepts, Architectures and Applications - Muhammad Maaz Rehan
2020-07-27

This comprehensive book unveils the working relationship of blockchain and the fog/edge computing. The contents of the book have been designed in such a way that the reader will not only understand blockchain and fog/edge computing but will also understand their co-existence and their collaborative power to solve a range of versatile problems. The first part of the book covers fundamental concepts and the applications of blockchain-enabled fog and edge computing. These include: Internet of Things, Tactile Internet, Smart City; and E-challan in the Internet of Vehicles. The second part of the book covers security and privacy related issues of blockchain-enabled fog and edge computing. These include, hardware primitive based Physical Unclonable Functions; Secure Management Systems; security of Edge and Cloud in the presence of blockchain; secure storage in fog using blockchain; and using differential privacy for edge-based Smart Grid

over blockchain. This book is written for students, computer scientists, researchers and developers, who wish to work in the domain of blockchain and fog/edge computing. One of the unique features of this book is highlighting the issues, challenges, and future research directions associated with Blockchain-enabled fog and edge computing paradigm. We hope the readers will consider this book a valuable addition in the domain of Blockchain and fog/edge computing.

Internet of Things, for Things, and by Things - Abhik Chaudhuri 2018-08-28

This book explains IoT technology, its potential applications, the security and privacy aspects, the key necessities like governance, risk management, regulatory compliance needs, the philosophical aspects of this technology that are necessary to support an ethical, safe and secure digitally enhanced environment in which people can live smarter. It describes the inherent technology of IoT, the architectural components and the philosophy behind this emerging technology. Then it shows the various potential applications of the Internet of Things that can bring benefits to the human society. Finally, it discusses various necessities to provide a secured and trustworthy IoT service.

Your Library Is the Answer: Demonstrating Relevance to Tech-Savvy Learners - Christina T. Russo 2015-01-22

Today's tech-savvy and digitally connected students present a new challenge for today's school librarians. This book offers the 21st-century tools and know-how necessary for educators to appeal to and challenge students to learn—and to want to learn. • Includes innovative, practical lesson plans designed to promote problem solving skills, flexible thinking, and metacognition as well as an extensive bibliography of additional resources • Addresses how to analyze quantitative and qualitative data to perform the assessment necessary to improve learning outcomes • Provides essential information and guidance for K-12 librarians, technology integration teachers, and educators as well as school administrators • Addresses key aspects of learning such as critical thinking, inquiry, learning spaces, blended learning, engagement, motivation, and Common Core State Standards (CCSS)

Handbook of Research on Modern Cryptographic Solutions for Computer and Cyber Security - Gupta, Brij 2016-05-16

Internet usage has become a facet of everyday life, especially as more technological advances have made it easier to connect to the web from virtually anywhere in the developed world. However, with this increased usage comes heightened threats to security within digital environments. The Handbook of Research on Modern Cryptographic Solutions for Computer and Cyber Security identifies emergent research and techniques being utilized in the field of cryptology and cyber threat prevention. Featuring theoretical perspectives, best practices, and future research directions, this handbook of research is a vital resource for professionals, researchers, faculty members, scientists, graduate students, scholars, and software developers interested in threat identification and prevention.

Algorithms and Solutions Based on Computer Technology - Carlos Jahn 2022

This book is a collection of papers compiled from the conference "Algorithms and Computer-Based Solutions" held on June 8-9, 2021 at Peter the Great St. Petersburg Polytechnic University (SPbPU), St. Petersburg, Russia. The authors of the book are leading scientists from Russia, Germany, Netherlands, Greece, Hungary, Kazakhstan, Portugal, and Poland. The reader finds in the book information from experts on the most interesting trends in digitalization - issues of development and implementation of algorithms, IT and digital solutions for various areas of economy and science, prospects for supercomputers and exo-intelligent platforms; applied computer technologies in digital production, healthcare and biomedical systems, digital medicine, logistics and management; digital technologies for visualization and prototyping of physical objects. The book helps the reader to increase his or her expertise in the field of computer technologies discussed

New Perspectives on Computer Concepts 2014: Brief - June Jamrich Parsons 2013-03-05

Go beyond computing basics with the award-winning NEW PERSPECTIVES ON COMPUTER CONCEPTS. Designed to get you up-to-speed on essential computer literacy skills, this market leading text goes deeper, providing technical

and practical information relevant to everyday life. NEW PERSPECTIVES ON COMPUTER CONCEPTS 2014 incorporates significant technology trends that affect computing and everyday life; such as concerns for data security, personal privacy, online safety, controversy over digital rights management, interest in open source software and portable applications, and more. In addition, coverage of Microsoft Windows 8 and Office 2013 will introduce you to the exciting new features of Microsoft's next generation of software. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Radical Solutions and eLearning - Daniel Burgos
2020-05-22

Educational Technology is the right couple to a radical innovation. Thanks to the appropriate technology in the right context with the best fit to the target audience, education can be drastically improved, meaning a better performance, competence achievement, match with the user's expectations and with the market needs. Serious games, Virtual reality, Augmented reality, Remote labs, Online learning, Blockchain, Mobile learning and many

other key technologies allow for a better explanation of so many subjects, and even more: for a complete student involvement and a full teacher engagement into the educational system. Technology gives another angle to the same content, provides the user with a personalised experience and pushes the limits of knowledge a little further, every time. This book presents a number of radical innovations through technology, from experienced cases studies, to be replicated and inspired by; a powerful resource handbook for cutting-edge education.

Government and Not-for-Profit Accounting - Michael H. Granof 2016-08-22

This text is an unbound, three hole punched version. *Government and Not-for-Profit Accounting, 7th Edition* by Michael Granof, Saleha Khumawala, Thad Calabrese, and Daniel Smith makes students aware of the dynamism of government and not-for-profit accounting and of the intellectual challenges that it presents. Not only does the 7th edition keep students informed of current accounting and reporting standards and practices, but it also ensures that they are aware of the reasons behind them, their strengths and limitations, and possible alternatives.