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The Indian National Bibliography - B. S. Kesavan 2008

Sustainable Business Models - Lars Moratis 2018-06-28
This book provides a rich overview and takes a closer look at the current state of theory and practice in the field of sustainable business models. The chapters in this book examine and analyze existing and new approaches towards sustainable business models and showcase the implementation of sustainable business through both quantitative and qualitative studies, including several case studies and many practical examples. It approaches these issues from the standpoints of diverse business disciplines to yield new insights and ideas that are relevant from both an academic and professional perspective. In its essence, the book examines how firms' value creation processes can be driven by sustainability and social responsibility and how this impacts business and society. Readers will find a range of sustainable business models that have been employed and are being pioneered in various industries around the globe – which are thoroughly investigated and discussed, and put into a comprehensive conceptual framework.
FUNDAMENTALS OF OPEN SOURCE SOFTWARE - M. N. RAO 2014-09-16
Free Open Source Software have been growing enormously in the field of information technology. Open Source Software (OSS) is a software whose source code is accessible for alteration or enrichment by other programmers. This book gives a detailed analysis of open source software and their fundamentals, and so is meant for the beginners who want to learn and write programs using Open Source Software. It also educates on how to download and instal these open source free software in the system.The topics covered in the book broadly aims to develop familiar Open Source Software (OSS) associated with database, web portal and scientific application development. Software platforms like, Android, MySQL, PHP, Python, PERL, Grid Computing, and Open Source Cloud, and their applications are explained through various examples and programs. The platforms like OSS and Linux are also introduced in the book. Recapitulation given at the end of each chapter enables the readers to take a quick revision of the topics. Numerous examples in the form of programs are given to enable

the students to understand the theoretical concepts and their applicative knowledge. The book is an introductory textbook on Open Source Software (OSS) for the undergraduate students of Computer Science Engineering (CSE) and postgraduate students of Computer Application (MCA). Salient Features The procedure for installing software (Linux, Android, PHP, MySQL, Perl, and Python) both in Linux and Windows operating systems are discussed in the book.• Numerous worked out example programs are introduced.• Inclusion of several questions drawn from previous question papers in chapter-end exercises.

Construction Stakeholder Management - Ezekiel Chinyio 2009-10-22

This book captures best practice in construction stakeholdermanagement using a range of international case studies. Itdemonstrates stakeholder mapping, presents the power/interestmatrix and analyses a model for the timely engagement ofstakeholders. The increased use of partnering and other relational forms ofcontracting have underlined the need for project participants towork together and also to be aware of all those who can affect orbe affected by a project and its associated developments.Stakeholder management enables them to see this wider picture andprovides guidance for managing the diverse views and interests thatcan manifest in the course of a project’s life. All construction projects have the potential for conflicts ofinterest that can result in costly and damaging legal proceedings.This new book advocates an alternative to dispute resolution thatis proactive, practical and global in its application.Construction Stakeholder Management is therefore anessential text for advanced students, lecturers, researchers andpractitioners in the built environment.

Principal Concepts in Applied Evolutionary Computation: Emerging Trends - Hong, Wei-Chiang Samuelson 2012-06-30

Increasingly powerful and diverse computing technologies have the potential to tackle ever greater and more complex problems and dilemmas in engineering and science disciplines. Principal Concepts in Applied Evolutionary Computation: Emerging Trends provides an introduction to the important interdisciplinary discipline of evolutionary computation, an artificial intelligence field that combines the principles of computational intelligence with the mechanisms of the theory of evolution. Academics and practicing field professionals will find this reference useful as they break into the emerging and complex world of evolutionary computation, learning to harness and utilize this exciting new interdisciplinary field.

Fundamentals of Computers - Rajaram J 1996

Proceedings of International Conference on Artificial Intelligence, Smart Grid and Smart City Applications - L. Ashok Kumar 2020-03-12

Due to the complexity, and heterogeneity of the smart grid and the high volume of information to be processed, artificial intelligence techniques and computational intelligence appear to be some of the enabling technologies for its future development and success. The theme of the book is “Making pathway for the grid of future” with the emphasis on trends in Smart Grid, renewable interconnection issues, planning-operation-control and reliability of grid, real time monitoring and protection, market, distributed generation and power distribution issues, power electronics applications, computer-IT and signal

processing applications, power apparatus, power engineering education and industry-institute collaboration. The primary objective of the book is to review the current state of the art of the most relevant artificial intelligence techniques applied to the different issues that arise in the smart grid development.

Programming Languages: Principles and Practices - Kenneth C. Louden 2011-01-26

Kenneth Louden and Kenneth Lambert's new edition of PROGRAMMING LANGUAGES: PRINCIPLES AND PRACTICE, 3E gives advanced undergraduate students an overview of programming languages through general principles combined with details about many modern languages. Major languages used in this edition include C, C++, Smalltalk, Java, Ada, ML, Haskell, Scheme, and Prolog; many other languages are discussed more briefly. The text also contains extensive coverage of implementation issues, the theoretical foundations of programming languages, and a large number of exercises, making it the perfect bridge to compiler courses and to the theoretical study of programming languages. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Service Orientation in Holonic and Multi-Agent Manufacturing Control - Theodor Borangiu 2012-03-26

Service orientation is emerging nowadays at multiple organizational levels in enterprise business, and it leverages technology in response to the growing need for greater business integration, flexibility and agility of manufacturing enterprises. The Service Oriented Architecture (SOA) analysed throughout the book represents a technical architecture, a business modelling concept, a type of infrastructure, an integration source and a new way of viewing units of automation within the enterprise. The primary goal of SOA is to align the business world with the world of information technology in a way that makes both more effective. The service value creation model at enterprise level consists of using a Service Component Architecture for business process applications, based on entities which handle services. In this view a service is a piece of software encapsulating the business/control logic or resource functionality of an enterprise entity that exhibits an individual competence and responds to a specific request to fulfil a local (operation) or global objective (batch production). The value creation model is based on a 2-stage approach: • Agentification: complex manufacturing processes are split in services provided by informational agents which are discovered, accessed and executed. This leads to a modular, reusable, agile and easy integrate integration. • Holonification: holons link the material flow and physical entities of the manufacturing processes with the informational part (IT services realized by distributed intelligence) facilitating thus traceability the developing of flexible control systems. This book gathers contributions from scientists, researchers and industrialists on concepts, methods, frameworks and implementing issues addressing trends in the service orientation of control technology and management applied to manufacturing enterprise. This book gathers contributions from scientists, researchers and industrialists on concepts, methods, frameworks and implementing issues addressing trends in the service orientation of control technology and management applied to manufacturing enterprise.

High Performance Computing - Julian M. Kunkel 2016-06-14
This book constitutes the refereed proceedings of the 31st International Conference, ISC High Performance 2016 [formerly known as the International Supercomputing Conference] held in Frankfurt, Germany, in June 2016. The 25 revised full papers presented in this book were carefully reviewed and selected from 60 submissions. The papers cover the following topics: Autotuning and Thread Mapping; Data Locality and Decomposition; Scalable Applications; Machine Learning; Datacenters andCloud; Communication Runtime; Intel Xeon Phi; Manycore Architectures; Extreme-scale Computations; and Resilience.
Cloud Computing Bible - Barrie Sosinsky 2010-12-10
The complete reference guide to the hot technology of cloud computing Its potential for lowering IT costs makes cloud computing a major force for both IT vendors and users; it is expected to gain momentum rapidly with the launch of Office Web Apps later this year. Because cloud computing involves various technologies, protocols, platforms, and infrastructure elements, this comprehensive reference is just what you need if you?ll be using or implementing cloud computing. Cloud computing offers significant cost savings by eliminating upfront expenses for hardware and software; its growing popularity is expected to skyrocket when Microsoft introduces Office Web Apps This comprehensive guide helps define what cloud computing is and thoroughly explores the technologies, protocols, platforms and infrastructure that make it so desirable Covers mobile cloud computing, a significant area due to ever-increasing cell phone and smartphone use Focuses on the platforms and technologies essential to cloud computing Anyone involved with planning, implementing, using, or maintaining a cloud computing project will rely on the information in Cloud Computing Bible.
Indian National Bibliography - B. S. Kesavan 2008

Mastering Cloud Computing - Rajkumar Buyya 2013-04-05
Mastering Cloud Computing is designed for undergraduate students learning to develop cloud computing applications. Tomorrow's applications won’t live on a single computer but will be deployed from and reside on a virtual server, accessible anywhere, any time. Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming, high-performance computing, and data-intensive systems. The book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating all of these and more, with exercises and labs throughout. Explains how to make design choices and tradeoffs to consider when building applications to run in a virtual cloud environment Real-world case studies include scientific, business, and energy-efficiency considerations
Smart Grid - Janaka B. Ekanayake 2012-02-23
Electric power systems worldwide face radical transformation with the need to decarbonise electricity supply, replace ageing assets and harness new information and communication technologies (ICT). The Smart Grid uses advanced ICT to control next generation power systems reliably and efficiently. This

authoritative guide demonstrates the importance of the Smart Grid and shows how ICT will extend beyond transmission voltages to distribution networks and customer-level operation through Smart Meters and Smart Homes. Smart Grid Technology and Applications: Clearly unravels the evolving Smart Grid concept with extensive illustrations and practical examples. Describes the spectrum of key enabling technologies required for the realisation of the Smart Grid with worked examples to illustrate the applications. Enables readers to engage with the immediate development of the power system and take part in the debate over the future Smart Grid. Introduces the constituent topics from first principles, assuming only a basic knowledge of mathematics, circuits and power systems. Brings together the expertise of a highly experienced and international author team from the UK, Sri Lanka, China and Japan. Electrical, electronics and computer engineering researchers, practitioners and consultants working in inter-disciplinary Smart Grid RD&D will significantly enhance their knowledge through this reference. The tutorial style will greatly benefit final year undergraduate and master's students as the curriculum increasing focuses on the breadth of technologies that contribute to Smart Grid realisation.
Object – Oriented Database Systems : Approaches and Architectures - Prabhu C.s.r.

GRID AND CLUSTER COMPUTING - C. S. R. PRABHU 2008-02-14
Grid Computing and Cluster Computing are advanced topics and latest trends in computer science that find a place in the computer science and information technology curricula of many engineering institutes and universities today. Divided into two parts—Part I, Grid Computing and Part II, Cluster Computing—, this compact and concise text strives to make the concepts of grid computing and cluster computing comprehensible to the students through its fine presentation and accessible style. Part I of the book enables the student not only to understand the concepts involved in grid computing but also to build their own grids for specific applications. Similarly, as today supercomputers are being built using cluster computing architectures, Part II provides an insight into the basic principles involved in cluster computing and equips the readers with the knowledge to build their own clusters in-house. Diagrams are used to illustrate the concepts discussed and to enable the reader to actually construct a grid or a cluster himself. The book is intended as a text for undergraduate and postgraduate students of computer science and engineering, information technology (B.Tech./M.Tech. Computer Science and Engineering/IT), and post-graduate students of computer science/information technology (M.Sc. Computer Science and M.Sc. IT). Besides, practising engineers and computer science professionals should find the text very useful.
Distributed Systems - George Coulouris 1994
The new edition of this bestselling title on Distributed Systems has been thoroughly revised throughout to reflect the state of the art in this rapidly developing field. It emphasizes the principles used in the design and construction of distributed computer systems based on networks of workstations and server computers.
Fog Computing, Deep Learning and Big Data Analytics-Research Directions - C.S.R. Prabhu 2019-01-04

This book provides a comprehensive picture of fog computing technology, including of fog architectures, latency aware application management issues with real time requirements, security and privacy issues and fog analytics, in wide ranging application scenarios such as M2M device communication, smart homes, smart vehicles, augmented reality and transportation management. This book explores the research issues involved in the application of traditional shallow machine learning and deep learning techniques to big data analytics. It surveys global research advances in extending the conventional unsupervised or clustering algorithms, extending supervised and semi-supervised algorithms and association rule mining algorithms to big data Scenarios. Further it discusses the deep learning applications of big data analytics to fields of computer vision and speech processing, and describes applications such as semantic indexing and data tagging. Lastly it identifies 25 unsolved research problems and research directions in fog computing, as well as in the context of applying deep learning techniques to big data analytics, such as dimensionality reduction in high-dimensional data and improved formulation of data abstractions along with possible directions for their solutions.

Grid Computing Security - Anirban Chakrabarti 2007-05-26

Based on research and industry experience, this book structures the issues pertaining to grid computing security into three main categories: architecture-related, infrastructure-related, and management-related issues. It discusses all three categories in detail, presents existing solutions, standards, and products, and pinpoints their shortcomings and open questions. Together with a brief introduction into grid computing in general and underlying security technologies, this book offers the first concise and detailed introduction to this important area, targeting professionals in the grid industry as well as students.

Numerical Computations with GPUs - Volodymyr Kindratenko 2014-07-03

This book brings together research on numerical methods adapted for Graphics Processing Units (GPUs). It explains recent efforts to adapt classic numerical methods, including solution of linear equations and FFT, for massively parallel GPU architectures. This volume consolidates recent research and adaptations, covering widely used methods that are at the core of many scientific and engineering computations. Each chapter is written by authors working on a specific group of methods; these leading experts provide mathematical background, parallel algorithms and implementation details leading to reusable, adaptable and scalable code fragments. This book also serves as a GPU implementation manual for many numerical algorithms, sharing tips on GPUs that can increase application efficiency. The valuable insights into parallelization strategies for GPUs are supplemented by ready-to-use code fragments. Numerical Computations with GPUs targets professionals and researchers working in high performance computing and GPU programming. Advanced-level students focused on computer science and mathematics will also find this book useful as secondary text book or reference.

E-GOVERNANCE - C.S.R. PRABHU 2013-03-05

This comprehensive text, now in its Second Edition, continues to provide the entire spectrum of e-governance—from definition of e-governance to its history, evaluation, e-governance models, infrastructure and manpower facilities, data

warehousing possibilities in implementation of e-government projects, and strategies of success of such projects. The text covers 22 case studies—18 Indian case studies and four International case studies. The Indian case studies include Bhoomi, a project of Karnataka Government, CARD (Computer-aided Administration of Registration Department), Smart Nagarpalika (Computerization of Urban Local Bodies or Municipalities), IT in judiciary, Sachivalaya Vahini (e-governance at Secretariat), e-Khazana (Computerization of Treasury Department), and e-Panchayat (Electronic Knowledge-based Panchayat). The international case studies are culled from USA, China, Brazil and Sri Lanka. This book would be of great interest to students of computer science, IT courses, management and public administration. In addition, government departments—both at the centre and in various states—and administrators should find the book highly useful. NEW TO THIS EDITION : Provides two Appendices—one on Eucalyptus cloud to remotely provision e-governance application and another on Revisiting NeGP: eBharath 2020: the proposed future NeGP.

High Performance Cluster Computing: Architectures and Systems, Vol. 1 - Buyya

Cybersecurity for Industry 4.0 - Lane Thames 2017-04-03

This book introduces readers to cybersecurity and its impact on the realization of the Industry 4.0 vision. It covers the technological foundations of cybersecurity within the scope of the Industry 4.0 landscape and details the existing cybersecurity threats faced by Industry 4.0, as well as state-of-the-art solutions with regard to both academic research and practical implementations. Industry 4.0 and its associated technologies, such as the Industrial Internet of Things and cloud-based design and manufacturing systems are examined, along with their disruptive innovations. Further, the book analyzes how these phenomena capitalize on the economies of scale provided by the Internet. The book offers a valuable resource for practicing engineers and decision makers in industry, as well as researchers in the design and manufacturing communities and all those interested in Industry 4.0 and cybersecurity.

Rising to the Challenge - National Research Council 2012-08-06

America's position as the source of much of the world's global innovation has been the foundation of its economic vitality and military power in the post-war. No longer is U.S. pre-eminence assured as a place to turn laboratory discoveries into new commercial products, companies, industries, and high-paying jobs. As the pillars of the U.S. innovation system erode through wavering financial and policy support, the rest of the world is racing to improve its capacity to generate new technologies and products, attract and grow existing industries, and build positions in the high technology industries of tomorrow. Rising to the Challenge: U.S. Innovation Policy for Global Economy emphasizes the importance of sustaining global leadership in the commercialization of innovation which is vital to America's security, its role as a world power, and the welfare of its people. The second decade of the 21st century is witnessing the rise of a global competition that is based on innovative advantage. To this end, both advanced as well as emerging nations are developing and pursuing policies and programs that are in many cases less constrained by ideological limitations on the role of government and the

concept of free market economics. The rapid transformation of the global innovation landscape presents tremendous challenges as well as important opportunities for the United States. This report argues that far more vigorous attention be paid to capturing the outputs of innovation - the commercial products, the industries, and particularly high-quality jobs to restore full employment. America's economic and national security future depends on our succeeding in this endeavor.

Big Data - Hassan A. Karimi 2014-02-18

Big data has always been a major challenge in geoinformatics as geospatial data come in various types and formats, new geospatial data are acquired very fast, and geospatial databases are inherently very large. And while there have been advances in hardware and software for handling big data, they often fall short of handling geospatial big data ef

Corporate Reputation - Stuart Roper 2012

Why should and how can organisations manage their reputations? All organisations, the executives who direct them, the employees who create value and their stakeholders who influence them, interact and can impact on corporate reputation. In a 24/7 media environment, where even a tweet can shape impressions, the importance of reputation management has never been higher. Every single move, decision taken and each isolated event that involves a company or public figure, is scrutinised, documented and publicised globally, compounding the task of reputation managers. Just ask BP, Toyota or Tiger Woods. Corporate Reputation, Brand and Communication: defines what is meant by corporate reputation discusses the rise in importance and complexity of managing corporate reputation considers the nature and characteristics of corporate brands stresses the importance of employees in the development of strong corporate brands explores how corporate communication can influence branding, image and reputation. Key features Chapter objectives - each chapter opens with a brief commentary on the broad issues that will be addressed, to help signal the primary topics that are covered in the chapter and so guide the learning experience. Viewpoints - these examples demonstrate how a particular aspect of corporate reputation has been used by an organisation in a particular context. They feature companies such as Ryanair, MTV, Google, Disney and Médecins Sans Frontières. Summaries and minicases - chapter summaries, followed by discussion questions, enable you to consolidate and test your understanding of the content of each chapter. Mini case studies help readers consider some of the issues explored within each Part of the book. Online resources - students have access to further materials on the accompanying website, including short video presentations by the authors explaining the main concepts outlined in each chapter, and annotated weblinks. For lecturers there is an Instructor's Manual and customisable PowerPoint slides. Go to www.pearsoned.co.uk/roperfill This is the essential companion for undergraduate and postgraduate students studying corporate reputation, branding, corporate communication and public relations. It is also an invaluable resource for students studying for professional marketing qualifications, most notably the 'Managing Corporate Reputation' module on the Professional Postgraduate Diploma offered by The Chartered Institute of Marketing. About the authors Dr Stuart Roper is Senior Lecturer in Marketing at Manchester Business School (MBS), UK. His main

teaching interests focus on branding and communications, corporate reputation, marketing strategy and services marketing. He teaches undergraduate, Masters and MBA classes at the school as well as being involved in executive education with senior managers at a large number of blue chip organisations. He is the Programme Director of MBS's Corporate Communications and Reputation Management Masters programme. Chris Fill is the founder and Managing Director of Fillassociates. He has authored several books, including his internationally recognised Marketing Communications. Formerly a Principal Lecturer at the University of Portsmouth, Chris is a Visiting Professor at the Grenoble Graduate School of Business and is a Fellow of The Chartered Institute of Marketing. He was the Senior Examiner responsible for the development of the CIM's Professional Postgraduate Diploma module, 'Managing Corporate Reputation'.

Design and Analysis of Reliable and Fault-Tolerant Computer Systems - Mostafa Abd-El-Barr 2006-12-15

Covering both the theoretical and practical aspects of fault-tolerant mobile systems, and fault tolerance and analysis, this book tackles the current issues of reliability-based optimization of computer networks, fault-tolerant mobile systems, and fault tolerance and reliability of high speed and hierarchical networks. The book is divided into six parts to facilitate coverage of the material by course instructors and computer systems professionals. The sequence of chapters in each part ensures the gradual coverage of issues from the basics to the most recent developments. A useful set of references, including electronic sources, is listed at the end of each chapter. Contents:Fundamental Concepts in Fault Tolerance and Reliability AnalysisFault Modeling, Simulation and DiagnosisError Control and Self-Checking CircuitsFault Tolerance in Multiprocessor SystemsFault-Tolerant Routing in Multi-Computer NetworksFault Tolerance and Reliability in Hierarchical Interconnection NetworksFault Tolerance and Reliability of Computer NetworksFault Tolerance in High Speed Switching NetworksFault Tolerance in Distributed and Mobile Computing SystemsFault Tolerance in Mobile NetworksReliability and Yield Enhancement of VLSI/WSI CircuitsDesign of fault-tolerant Processor ArraysAlgorithm-Based Fault ToleranceSystem Level Diagnosis ISystem Level Diagnosis IIFault Tolerance and Reliability of RAID SystemsHigh Availability in Computer Systems Readership: Computer engineers, computer scientists, information scientists, graduate and senior undergraduate students in information science and computer engineering. Keywords:Fault Tolerance;Reliability;Availability;Fault Modeling;Fault Diagnosis;Network ReliabilityKey Features:Comprehensive coverage of issues in fault tolerance and reliability analysisSimple treatment of difficult issues via examples with figures, tables and graphs

Sustainability Assessment Tools in Higher Education Institutions - Sandra Caeiro 2013-11-19

This book contributes to debates on current sustainability practices, with a focus on assessment tools as applied in higher education institutions. These institutions are challenged to carry out management, research, and teaching, and to create settings that allow developing new competencies to address the complex global environmental, social, cultural, and economic pressures with which current and future generations are confronted. The first chapters discuss

issues of sustainability in higher education, namely the role of universities in promoting sustainability and the emergent fields of sustainability science and education for sustainable development and how to integrate and motivate sustainability into the university. Subsequent chapters present examples of sustainability assessment tools specifically developed for higher education institutions, such as the AISHE – Auditing Instrument for Sustainability in Higher Education, the GASU – Graphical Assessment of Sustainability in Universities too, the STAUNCH – Sustainability tool for Auditing Universities Curricula in Higher Education. The use of other integrated tools are also presented. The papers have adopted a pragmatic approach, characterized by conceptual descriptions, including sustainability assessment and reorienting the curricula, on the one hand, and practical experiences on the other, with good practices from different edges of the world. Sustainability Assessment Tools in Higher Education Institutions will be of interest to graduate student, lecturers, researchers, and those setting university policy.

Futuristic Communication and Network Technologies - A. Sivasubramanian 2021-10-11

This book presents select proceedings of the International Conference on Futuristic Communication and Network Technologies (CFCNT 2020) conducted at Vellore Institute of Technology, Chennai. It covers various domains in communication engineering and networking technologies. This volume comprises of recent research in areas like optical communication, optical networks, optics and optical computing, emerging trends in photonics, MEMS and sensors, active and passive RF components and devices, antenna systems and applications, RF devices and antennas for microwave emerging technologies, wireless communication for future networks, signal and image processing, machine learning/AI for networks, internet of intelligent things, network security and blockchain technologies. This book will be useful for researchers, professionals, and engineers working in the core areas of electronics and communication.

Bibliography of Publications - George Washington University. Human Resources Research Office 1960

Scheduling in Distributed Computing Systems - Deo Prakash Vidyarthi 2008-10-20

This book intends to inculcate the innovative ideas for the scheduling aspect in distributed computing systems. Although the models in this book have been designed for distributed systems, the same information is applicable for any type of system. The book will dramatically improve the design and management of the processes for industry professionals. It deals exclusively with the scheduling aspect, which finds little space in other distributed operating system books. Structured for a professional audience composed of researchers and practitioners in industry, this book is also suitable as a reference for graduate-level students.

In Search of Clusters - Gregory F. Pfister 1998

A hardcore guide to parallel computing with clusters (groups of computers linked together to boost performance), this reference is by a leading expert in the field. Revised and updated to cover the latest architectures, the book features a light and approachable writing style described by a reviewer as

"what would happen if "Dilbert" creator Scott Adams wrote a book on computer architecture".

Sun Cluster Environment - Enrique Vargas 2001

Fundamentals of Investments focuses on students as investment managers, giving them information to act on by placing theory and research in the proper context. The text offers strong, consistent pedagogy, including a balanced, unified treatment of the four main types of financial investments: stocks, bonds, options, and futures. Topics are organized in a way that makes them easy to apply—whether to a portfolio simulation or to real life—and supported with hands-on activities.

Big Data Analytics: Systems, Algorithms, Applications - C.S.R. Prabhu 2019-10-14

This book provides a comprehensive survey of techniques, technologies and applications of Big Data and its analysis. The Big Data phenomenon is increasingly impacting all sectors of business and industry, producing an emerging new information ecosystem. On the applications front, the book offers detailed descriptions of various application areas for Big Data Analytics in the important domains of Social Semantic Web Mining, Banking and Financial Services, Capital Markets, Insurance, Advertisement, Recommendation Systems, Bio-Informatics, the IoT and Fog Computing, before delving into issues of security and privacy. With regard to machine learning techniques, the book presents all the standard algorithms for learning – including supervised, semi-supervised and unsupervised techniques such as clustering and reinforcement learning techniques to perform collective Deep Learning. Multi-layered and nonlinear learning for Big Data are also covered. In turn, the book highlights real-life case studies on successful implementations of Big Data Analytics at large IT companies such as Google, Facebook, LinkedIn and Microsoft. Multi-sectorial case studies on domain-based companies such as Deutsche Bank, the power provider Opower, Delta Airlines and a Chinese City Transportation application represent a valuable addition. Given its comprehensive coverage of Big Data Analytics, the book offers a unique resource for undergraduate and graduate students, researchers, educators and IT professionals alike.

Sustainability in a Digital World - Thomas Osburg 2017-05-17

This book offers a comprehensive introduction to the different emerging concepts in the innovative area of sustainability and digital technology. More than 20 leading thinkers from the fields of digitalization, strategic management, sustainability and organizational development share clearly structured insights on the latest developments, advances and remaining challenges concerning the role of sustainability in an increasingly digital world. The authors not only introduce a profound and unique analysis on the state-of-the art of sustainability and digital transformation, but also provide business leaders with practical advice on how to apply the latest management thinking to their daily business decisions. Further, a number of significant case studies exemplify the issues discussed and serve as valuable blueprints for decision makers.

High Performance Linux Clusters with OSCAR, Rocks, OpenMosix, and MPI - Joseph Sloan 2005

The author teaches at Wofford College.

Applications and Developments in Grid, Cloud, and High Performance Computing - Udoh, Emmanuel 2012-09-30
"This book provides insight into the current trends and emerging issues by investigating grid and cloud evolution, workflow management, and the impact new computing systems have on the education fields as well as the industries"-- Provided by publisher.
Digital Government - Hsinchun Chen 2007-11-22
At last, a right up-to-the-minute volume on a topic of huge national and international importance. As governments around the world battle voter apathy, the need for new and modernized methods of involvement in the polity is becoming acute. This work provides information on advanced research and case studies that survey the field of digital government. Successful applications in a variety of government settings are delineated, while the authors also analyse the implications for current and future policy-making. Each chapter has been prepared and carefully edited within a structured format by a known expert on the individual topic.
Handbook of Research on High Performance and Cloud Computing in Scientific Research and Education - Despotovi?-Zraki?, Marijana 2014-03-31
As information systems used for research and educational purposes have become more complex, there has been an increase in the need for new computing architecture. High performance and cloud computing provide reliable and cost-effective information technology infrastructure that enhances research and educational processes. Handbook of Research on High Performance and Cloud Computing in Scientific Research and Education presents the applications of cloud computing in various settings, such as scientific research, education, e-learning, ubiquitous learning, and social computing. Providing various examples, practical solutions, and applications of high performance and cloud computing; this book is a useful reference for professionals and researchers discovering the applications of information and communication technologies in science and education, as well as scholars seeking insight on how modern technologies support scientific research.
Advances in Signal Processing and Intelligent Recognition Systems - Sabu M. Thampi 2019-01-06
This book constitutes the refereed proceedings of the 4th International Symposium on Advances in Signal Processing and Intelligent Recognition Systems, SIRS 2018, held in Bangalore, India, in September 2018. The 28 revised full papers and 11 revised short papers presented were carefully reviewed and selected from 92 submissions. The papers cover wide research fields including information retrieval, human-computer interaction (HCI), information extraction, speech recognition.