Cloudonomics

Here is the first book to specifically and comprehensively address the rapid changes and advances in technology in the planning, management, and marketing of meetings and events. The multigenerational trio of authors, including Joe Goldblatt and two of his former students, Seungwon "Shawn" Lee and Dessislava Boshnakova, cover the most important aspects of using technology for today's meetings and events, such as How to harness the power of social media How to use crowdsourcing effectively How to choose appropriate room layout design software How to manage and use guest-generated content How to measure and evaluate your success How to choose meeting registration software How to promote your meeting with blogs, websites, podcasts, and more How to hold virtual meetings and events How to use search engine optimization to advantage The area of meeting and event technology is a fast-growing component of the meetings, incentives, conventions and exhibition (MICE) industry. With a foreword by Corbin Ball, an internationally renowned speaker, consultant and writer in the meetings and events technology field, The 21st Century Meeting and Event Technologies will be an essential resource for hospitality students and business professionals. Faculty may request an examination copy from info@appleacademicpress.com. Please provide your name and title, course title, course start date, current text, number of students, and your institution address. Use this field guide as you transform your enterprise to combine cloud computing with a microservices

architecture. The recent surge in the popularity of microservices in software development is mainly due to the agility it brings and its readiness for the cloud. The move to a microservices architecture on the cloud involves a gradual evolution in software development. Many enterprises are embarking on this journey, and are now looking for architects who are experienced in building microservices-based applications in the cloud. A master architect should be able to understand the business, identify growth hurdles, break a monolith, design microservices, foresee problems, overcome challenges, change processes, decipher CSP services, strategize cloudification, adopt innovations, secure microservices, prototype solutions, and envision the future. Cloud-Based Microservices provides you with the information you need to be successful in such an endeavor. What You Will Learn Be familiar with the challenges in microservices architecture and how to overcome them Plan for a cloud-based architecture Architect, build, and deploy microservices in the cloud Know how security, operations, and support change in this architecture Who This Book Is For Engineers, architects, and those in DevSecOps attempting to move their enterprise software to take advantage of microservices and the cloud and be more nimble
"This book provide relevant theoretical frameworks covering the latest empirical research findings in the area of grid computing, with a critical perspective bridging the gap between academia and the latest achievements of the computer industry"--Provided by publisher.
Build a comprehensive web portal for your company with

the coverage of full development life cycle with this book and ebook.

Best Practices for Navigating the Future of Enterprise It Digital Disciplines

Cloud Computing For Dummies

The Next Generation of Media Emerges

Computational and Data Grids: Principles, Applications and Design

Principles, Applications and Design

The ultimate guide to assessing and exploiting the customervalue and revenue potential of the Cloud A new business model is sweeping the world—the Cloud. And,as with any new technology, there is a great deal of fear,uncertainty, and doubt surrounding cloud computing.Cloudonomics radically upends the conventional wisdom,clearly explains the underlying principles and illustrates throughunderstandable examples how Cloud computing can create compellingvalue—whether you are a customer, a provider, a strategist,or an investor. Cloudonomics covers everything you need toconsider for the delivery of business solutions, opportunities, andcustomer satisfaction through the Cloud, so you can understandit—and put it to work for your business. Cloudonomicsalso delivers insight into when to avoid the cloud, and why.

Quantifies how customers, users, and cloud providers cancollaborate to create win-wins Reveals how to use the Laws of Cloudonomics to define strategyand guide implementation Explains the probable evolution of cloud businesses andecosystems Demolishes the conventional wisdom on cloud usage, IT spend,community clouds, and the enterprise-provider cloud balance Whether you're ready for it or not, Cloud computing is here tostay. Cloudonomics provides deep insights into the businessvalue of the Cloud for executives, practitioners, and strategistsin virtually any industry—not just technology executives butalso those in the marketing, operations, economics, venturecapital, and financial fields.
The emergence of the cloud as infrastructure: experts from a range of disciplines consider policy issues including reliability, privacy, consumer protection, national security, and copyright.
CloudonomicsThe Business Value of Cloud ComputingJohn Wiley & Sons
Rapidly advancing technology creates an overwhelming demand to remain informed of current research and discoveries. Cases on Emerging Information Technology Research and Applications strategically combines

*the latest studies encompassing the most
current advancements in the IT arenas.
This compilation of cases highlights
relevant information for professionals,
researchers, and students wishing to
remain current with the ever-changing IT
field.
Continued Rise of the Cloud
Social Networking and Computational
Intelligence
Concepts, Technology & Architecture
Principles and Paradigms
CSA Guide to Cloud Computing
Cloud Security*

*The recent explosion of digital media, online
networking, and e-commerce has generated
great new opportunities for those Internet-
savvy individuals who see potential in new
technologies and can turn those possibilities
into reality. It is vital for such forward-
thinking innovators to stay abreast of all
the latest technologies. Web-Based Services:
Concepts, Methodologies, Tools, and
Applications provides readers with
comprehensive coverage of some of the latest
tools and technologies in the digital
industry. The chapters in this multi-volume
book describe a diverse range of applications
and methodologies made possible in a world
connected by the global network, providing
researchers, computer scientists, web
developers, and digital experts with the*

*latest knowledge and developments in Internet
technologies.*

*The easy way to understand and implement
cloud computing technology written by a team
of experts Cloud computing can be difficult
to understand at first, but the cost-saving
possibilities are great and many companies
are getting on board. If you've been put in
charge of implementing cloud computing, this
straightforward, plain-English guide clears
up the confusion and helps you get your plan
in place. You'll learn how cloud computing
enables you to run a more green IT
infrastructure, and access technology-enabled
services from the Internet ("in the cloud")
without having to understand, manage, or
invest in the technology infrastructure that
supports them. You'll also find out what you
need to consider when implementing a plan,
how to handle security issues, and more.
Cloud computing is a way for businesses to
take advantage of storage and virtual
services through the Internet, saving money
on infrastructure and support This book
provides a clear definition of cloud
computing from the utility computing
standpoint and also addresses security
concerns Offers practical guidance on
delivering and managing cloud computing
services effectively and efficiently Presents
a proactive and pragmatic approach to
implementing cloud computing in any
organization Helps IT managers and staff
understand the benefits and challenges of*

cloud computing, how to select a service, and what's involved in getting it up and running Highly experienced author team consults and gives presentations on emerging technologies Cloud Computing For Dummies gets straight to the point, providing the practical information you need to know.

This book presents a selection of revised and extended versions of the best papers from the First International Conference on Social Networking and Computational Intelligence (SCI-2018), held in Bhopal, India, from October 5 to 6, 2018. It discusses recent advances in scientific developments and applications in these areas.

CSA Guide to Cloud Computing brings you the most current and comprehensive understanding of cloud security issues and deployment techniques from industry thought leaders at the Cloud Security Alliance (CSA). For many years the CSA has been at the forefront of research and analysis into the most pressing security and privacy related issues associated with cloud computing. CSA Guide to Cloud Computing provides you with a one-stop source for industry-leading content, as well as a roadmap into the future considerations that the cloud presents. The authors of CSA Guide to Cloud Computing provide a wealth of industry expertise you won't find anywhere else. Author Raj Samani is the Chief Technical Officer for McAfee EMEA; author Jim Reavis is the Executive Director of CSA; and author Brian Honan is recognized as an

*industry leader in the ISO27001 standard.
They will walk you through everything you
need to understand to implement a secure
cloud computing structure for your enterprise
or organization. Your one-stop source for
comprehensive understanding of cloud security
from the foremost thought leaders in the
industry Insight into the most current
research on cloud privacy and security,
compiling information from CSA's global
membership Analysis of future security and
privacy issues that will impact any
enterprise that uses cloud computing
The 21st Century Meeting and Event
Technologies
The Business Value of Cloud Computing
The Technology, Business, and Economics of
Streaming Video
Web Experience Factory and the Cloud
Life-Cycle Methods for Developing Scalable
and Reliable Tools
Implementing Cloud Privacy and Security*

*The ultimate guide to assessing and exploiting the customer value and
revenue potential of the Cloud A new business model is sweeping the
world--the Cloud. And, as with any new technology, there is a great
deal of fear, uncertainty, and doubt surrounding cloud computing.
Cloudonomics radically upends the conventional wisdom, clearly
explains the underlying principles and illustrates through
understandable examples how Cloud computing can create compelling
value--whether you are a customer, a provider, a strategist, or an
investor. Cloudonomics covers everything you need to consider for the
delivery of business solutions, opportunities, and customer satisfaction
through the Cloud, so you can understand it--and put it to work for
your business. Cloudonomics also delivers insight into when to avoid*

the cloud, and why. Quantifies how customers, users, and cloud providers can collaborate to create win-wins Reveals how to use the Laws of Cloudonomics to define strategy and guide implementation Explains the probable evolution of cloud businesses and ecosystems Demolishes the conventional wisdom on cloud usage, IT spend, community clouds, and the enterprise-provider cloud balance Whether you're ready for it or not, Cloud computing is here to stay. Cloudonomics provides deep insights into the business value of the Cloud for executives, practitioners, and strategists in virtually any industry--not just technology executives but also those in the marketing, operations, economics, venture capital, and financial fields. Note: The ebook version does not provide access to the companion files. Leverage digital technologies to achieve competitive advantage through market-leading processes, products and services, customer relationships, and innovation How does Information Technology enable competitive advantage? Digital Disciplines details four strategies that exploit today's digital technologies to create unparalleled customer value. Using non-technical language, this book describes the blueprints that any company, large or small, can use to gain or retain market leadership, based on insights derived from examining modern digital giants such as Amazon, Netflix, and Uber, established firms such as Burberry, GE, Nike, and Procter & Gamble, and lesser-known innovators such as Alvio, Fruition Sciences, Opower, and Quirky. Companies can develop a competitive edge through four digital disciplines—information excellence, solution leadership, collective intimacy, and accelerated innovation—that exploit cloud computing, big data and analytics, mobile and wireline networks, social media, and the Internet of Things. These four disciplines extend and update the value disciplines of operational excellence, product leadership, and customer intimacy originally defined by Michael Treacy and Fred Wiersema in their bestselling business classic The Discipline of Market Leaders. Operational excellence must now be complemented by information excellence—leveraging automation, information, analytics, and sophisticated algorithms to make processes faster,

better, and more cost-effective, seamlessly fuse digital and physical worlds, and generate new revenue through techniques such as exhaust data monetization Product leadership must be extended to solution leadership—smart digital products and services ranging from wind turbines and wearables to connected healthcare, linked to each other, cloud services, social networks, and partner ecosystems, focused on customer outcomes and creating experiences and transformations Customer intimacy is evolving to collective intimacy—as face-to-face relationships not only go online, but are collectively analyzed to provide individually targeted recommendations and personalized services ranging from books and movies to patient-specific therapies Traditional innovation is no longer enough—accelerated innovation goes beyond open innovation to exploit crowdsourcing, idea markets, innovation networks, challenges, and contest economics to dramatically improve processes, products, and relationships This book provides a strategy framework, empirical data, case studies, deep insights, and pragmatic steps for any enterprise to follow and attain market leadership in today's digital era. It addresses improved execution through techniques such as gamification, and pitfalls to beware, including cybersecurity, privacy, and unintended consequences. Digital Disciplines can be exploited by existing firms or start-ups to disrupt established ways of doing business through innovative, digitally enabled value propositions to win in competitive markets in today's digital era.

This volume contains the technical papers presented in the workshops, which took place at the 6th European Conference on Service-Oriented and Cloud Computing, ESOCC 2017, held in Oslo, Norway, September 2017: First International Workshop on Business Process Management in the Cloud, BPM@Cloud 2017; Third International Workshop on Cloud Adoption and Migration, CloudWays 2017. The 9 full papers were carefully reviewed and selected from 12 submissions. In addition, the volume also contains 8 EU Projects papers, describing projects presented at the European Projects Forum, which took place at ESOCC 2017. The papers focus on specific topics in service-

oriented and cloud computing domains such as limits and/or advantages of existing cloud solutions, future internet technologies, efficient and adaptive deployment and management of service-based applications across multiple clouds, novel cloud service migration practices and solutions, digitization of enterprises in the cloud computing era, federated cloud networking services.
The Cloud Computing and Services Science book comprises a collection of the best papers presented at the International Conference on Cloud Computing and Services Science (CLOSER), which was held in The Netherlands in May 2011. In netting papers from the conference researchers and experts from all over the world explore a wide-ranging variety of the emerging Cloud Computing platforms, models, applications and enabling technologies. Further, in several papers the authors exemplify essential links to Services Science as service development abstraction, service innovation, and service engineering, acknowledging the service-orientation in most current IT-driven structures in the Cloud. The Cloud Computing and Services Science book is organized around important dimensions of technology trends in the domain of cloud computing in relation to a broad scientific understanding of modern services emerging from services science. The papers of this book are inspired by scholarly and practical work on the latest advances related to cloud infrastructure, operations, security, services, and management through the global network. This book includes several features that will be helpful, interesting, and inspirational to students, researchers as well as practitioners. Professionals and decision makers working in this field will also benefit from this book
Cloud Computing
Cloud Computing Economics For Information Technology industry
Turning Big Data into Big Money
Powerful Tools for Better Planning, Marketing, and Evaluation
Design Decisions for Cloud Computing Service Models (SaaS, PaaS, and IaaS)
Advances in Service-Oriented and Cloud Computing

Along with its interrelated companion volume, The
Content, Impact, and Regulation of Streaming Video,
this book covers the next generation of TV—streaming
online video, with details about its present and a broad
perspective on the future. It reviews the new technical
elements that are emerging, both in hardware and
software, their long-term trend, and the implications. It
discusses the emerging 'media cloud' of video and
infrastructure platforms, and the organizational form of
such TV.

Cloud computing continues to emerge as a subject of
substantial industrial and academic interest. Although
the meaning and scope of "cloud computing" continues
to be debated, the current notion of clouds blurs the
distinctions between grid services, web services, and data
centers, among other areas. Clouds also bring
considerations of lowering the cost for relatively bursty
applications to the fore. Cloud Computing: Principles,
Systems and Applications is an essential reference/guide
that provides thorough and timely examination of the
services, interfaces and types of applications that can be
executed on cloud-based systems. The book identifies
and highlights state-of-the-art techniques and methods
for designing cloud systems, presents mechanisms and
schemes for linking clouds to economic activities, and
offers balanced coverage of all related technologies that
collectively contribute towards the realization of cloud
computing. With an emphasis on the conceptual and
systemic links between cloud computing and other

distributed computing approaches, this text also addresses the practical importance of efficiency, scalability, robustness and security as the four cornerstones of quality of service. Topics and features explores the relationship of cloud computing to other distributed computing paradigms, namely peer-to-peer, grids, high performance computing and web services; presents the principles, techniques, protocols and algorithms that can be adapted from other distributed computing paradigms to the development of successful clouds; includes a Foreword by Professor Mark Baker of the University of Reading, UK; examines current cloud-practical applications and highlights early deployment experiences; elaborates the economic schemes needed for clouds to become viable business models. This book will serve as a comprehensive reference for researchers and students engaged in cloud computing. Professional system architects, technical managers, and IT consultants will also find this unique text a practical guide to the application and delivery of commercial cloud services. Prof. Nick Antonopoulos is Head of the School of Computing, University of Derby, UK. Dr. Lee Gillam is a Lecturer in the Department of Computing at the University of Surrey, UK.

Well-known security experts decipher the most challenging aspect of cloud computing-security Cloud computing allows for both large and small organizations to have the opportunity to use Internet-based services that they can reduce start-up costs, lower capital

expenditures, use services on a pay-as-you-use basis, access applications only as needed, and quickly reduce or increase capacities. However, these benefits are accompanied by a myriad of security issues, and this valuable book tackles the most common security challenges that cloud computing faces. The authors offer you years of unparalleled expertise and knowledg as they discuss the extremely challenging topics of da ownership, privacy protections, data mobility, quality o service and service levels, bandwidth costs, data protection, and support. As the most current and complete guide to helping you find your way through a maze of security minefields, this book is mandatory reading if you are involved in any aspect of cloud computing. Coverage Includes: Cloud Computing Fundamentals Cloud Computing Architecture Cloud Computing Software Security Fundamentals Cloud Computing Risks Issues Cloud Computing Security Challenges Cloud Computing Security Architecture Cloud Computing Life Cycle Issues Useful Next Steps and Approaches

Cloud computing is the most significant technology development of our lifetimes. It has made countless ne businesses possible and presents a massive opportunit for large enterprises to innovate like startups and reti decades of technical debt. But making the most of the cloud requires much more from enterprises than just a technology change. Stephen Orban led Dow Jones's journey toward digital agility as their CIO and now lead

AWS's Enterprise Strategy function, where he helps
leaders from the largest companies in the world
transform their businesses. As he demonstrates in this
book, enterprises must re-train their people, evolve their
processes, and transform their cultures as they move to
the cloud. By bringing together his experiences and
those of a number of business leaders, Orban shines a
light on what works, what doesn't, and how enterprises
can transform themselves using the cloud.
Cloudonomics, + Website
Cloud Computing for Enterprise Architectures
Beyond the Hype
Policy for Computing Infrastructure
Cloudonomics
Proceedings of SCI-2O18
*Unique insights to implement big data analytics and
reap big returns to your bottom line Focusing on the
business and financial value of big data analytics,
respected technology journalist Frank J. Ohlhorst shares
his insights on the newly emerging field of big data
analytics in Big Data Analytics. This breakthrough book
demonstrates the importance of analytics, defines the
processes, highlights the tangible and intangible values
and discusses how you can turn a business liability into
actionable material that can be used to redefine
markets, improve profits and identify new business
opportunities. Reveals big data analytics as the next
wave for businesses looking for competitive advantage
Takes an in-depth look at the financial value of big data
analytics Offers tools and best practices for working*

with big data Once the domain of large on-line retailers such as eBay and Amazon, big data is now accessible by businesses of all sizes and across industries. From how to mine the data your company collects, to the data that is available on the outside, Big Data Analytics shows how you can leverage big data into a key component in your business's growth strategy. This important text provides a single point of reference for state-of-the-art cloud computing design and implementation techniques. The book examines cloud computing from the perspective of enterprise architecture, asking the question; how do we realize new business potential with our existing enterprises? Topics and features: with a Foreword by Thomas Erl; contains contributions from an international selection of preeminent experts; presents the state-of-the-art in enterprise architecture approaches with respect to cloud computing models, frameworks, technologies, and applications; discusses potential research directions, and technologies to facilitate the realization of emerging business models through enterprise architecture approaches; provides relevant theoretical frameworks, and the latest empirical research findings. Information technology (IT) is an essential core of the economy today. Corporations and governments worldwide rely on it to drive their core strategy and develop and execute business models. Amounting to over 3.7 trillion US dollars of worldwide spending, the growing significance of the IT industry in the global economy is now well established. Hence, it is crucial to understand the marketplace within which it exists, and

this book presents a systematic analysis of the processes, techniques, and methods involved in IT sales and marketing. In Selling IT, the book: Integrates a large IT provider's selling process with the enterprise user's IT buying process to highlight the nuances of selling, marketing, and developing IT solutions that create value for customers. Discusses various key concepts such as value-based IT selling, business case for IT acquisition, vendor evaluation and management, account and customer relationship management, customer segmentation, and techniques for customer acquisition and retention. Analyses the challenges and opportunities involved in selling digital IT and examines the evolution of jobs and careers based on the changed IT landscape. Includes lesson plans, case studies, and chapter-wise practice questions to support teaching and learning. The book boasts a robust theoretical foundation supported by a clear exposition of concepts and management theories. It will be of benefit to professionals using organisation-mandated selling processes. Young executives with a technology background looking for a sales and marketing career in the IT industry can also effectively use this book. It will also be an essential read for scholars and researchers in B2B marketing, IT consulting, technology sales, and digital transformation.

The primary purpose of this book is to capture the state-of-the-art in Cloud Computing technologies and applications. The book will also aim to identify potential research directions and technologies that will facilitate creation a global market-place of cloud computing

services supporting scientific, industrial, business, and consumer applications. We expect the book to serve as a reference for larger audience such as systems architects, practitioners, developers, new researchers and graduate level students. This area of research is relatively recent, and as such has no existing reference book that addresses it. This book will be a timely contribution to a field that is gaining considerable research interest, momentum, and is expected to be of increasing interest to commercial developers. The book is targeted for professional computer science developers and graduate students especially at Masters level. As Cloud Computing is recognized as one of the top five emerging technologies that will have a major impact on the quality of science and society over the next 20 years, its knowledge will help position our readers at the forefront of the field.

Regulating the Cloud

IBM Websphere Portal 8

The Science of Selling, Buying, and Deal-Making

The Business Value of Cloud Computing, + Website

A Comprehensive Guide to Secure Cloud Computing

Techniques, Challenges, and Solutions

"This reference presents a vital compendium of research detailing the latest case studies, architectures, frameworks, methodologies, and research on Grid and Cloud Computing"--

"The ultimate guide to assessing and exploiting the customer value and revenue potential of the CloudA new business model is sweeping the world--the Cloud. And, as with any new technology, there is a great deal of fear,

uncertainty, and doubt surrounding cloud computing. Cloudonomics radically upends the conventional wisdom, clearly explains the underlying principles and illustrates through understandable examples how Cloud computing can create compelling value--whether you are a customer, a provider, a strategist, or an investor. Cloudonomics covers everything you need to consider for the delivery of business solutions, opportunities, and customer satisfaction through the Cloud, so you can understand it--and put it to work for your business. Cloudonomics also delivers insight into when to avoid the cloud, and why. Quantifies how customers, users, and cloud providers can collaborate to create win-wins Reveals how to use the Laws of Cloudonomics to define strategy and guide implementation Explains the probable evolution of cloud businesses and ecosystemsDemolishes the conventional wisdom on cloud usage, IT spend, community clouds, and the enterprise-provider cloud balance Whether you're ready for it or not, Cloud computing is here to stay. Cloudonomics shows how the business model of the Cloud offers insights to executives, practitioners, and strategists in virtually any industry--not just technology executives but also those in the marketing, operations, economics, venture capital, and financial fields"-- This book illustrates the rapid pace of development in intelligent assistive technology in recent years, and highlights some salient examples of using modern IT&C technologies to provide devices, systems and application software for persons with certain motor or cognitive disabilities. The book proposes both theoretical and

practical approaches to intelligent assistive and emergent technologies used in healthcare for the elderly and patients with chronic diseases. Intelligent assistive technology (IAT) is currently being introduced and developed worldwide as an important tool for maintaining independence and high quality of life among community-living people with certain disabilities, and as a key enabler for the aging population. The book offers a valuable resource for students at technical, medical and general universities, but also for specialists working in various fields in which emergent technologies are being used to help people enjoy optimal quality of life.
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.
Recent Advances in Intelligent Assistive Technologies: Paradigms and Applications
Software Project Management for Distributed Computing

Ahead in the Cloud
Concepts, Methodologies, Tools and Applications
Business Trends and Technologies
Cloud Computing: Business Trends and Technologies provides a broad introduction to Cloud computing technologies and their applications to IT and telecommunications businesses (i.e., the network function virtualization, NFV). To this end, the book is expected to serve as a textbook in a graduate course on Cloud computing. The book examines the business cases and then concentrates on the technologies necessary for supporting them. In the process, the book addresses the principles of – as well as the known problems with – the underlying technologies, such as virtualization, data communications, network and operations management, security and identity management. It introduces, through open-source case studies (based on OpenStack), an extensive illustration of lifecycle management. The book also looks at the existing and emerging standards, demonstrating their respective relation to each topic. Overall, this is an authoritative textbook on this emerging and still-developing discipline, which •Guides the reader

through basic concepts, to current practices, to state-of-the-art applications. •Considers technical standards bodies involved in Cloud computing standardization. •Is written by innovation experts in operating systems and data communications, each with over 20 years' experience in business, research, and teaching.

This book constitutes the thoroughly refereed proceedings of the second International Symposium on Intelligent Systems Technologies and Applications (ISTA'16), held on September 21–24, 2016 in Jaipur, India. The 80 revised papers presented were carefully reviewed and selected from 210 initial submissions and are organized in topical sections on image processing and artificial vision, computer networks and distributed systems, intelligent tools and techniques and applications using intelligent techniques.

The complete guide to provisioning and managing cloud-based Infrastructure as a Service (IaaS) data center solutions Could computing will revolutionize the way IT resources are deployed, configured, and managed for years to come. Service providers and customers each stand to realize tremendous value from this paradigm shift-if they can take advantage of it. Cloud Computing brings together the realistic, start-to-finish guidance they need to plan, implement, and manage cloud solution architectures for tomorrow's virtualized data centers. It introduces cloud 'newcomers' to essential concepts, and offers experienced operations professionals detailed

guidance on delivering Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). This book's replicable solutions and fully-tested best practices will help enterprises, services providers, consultants, and Cisco partners meet the challenge of provisioning end-to-end cloud infrastructures. Drawing on extensive experience working with leading cloud vendors and integrators, the authors present detailed operations workflow examples, proven techniques for operating cloud-based network, compute, and storage infrastructure; a comprehensive management reference architecture; and a complete case study demonstrating rapid, lower-cost solutions design. Cloud Computing will be an indispensable resource for all network/IT professionals and managers involved with planning, implementing, or managing the next generation of cloud computing services. • •Review the key concepts needed to successfully deploy and cloud-based services •Transition common enterprise design patterns and use cases to the cloud •Master architectural principles and infrastructure design for 'real-time' managed IT services •Understand the Cisco approach to cloud-related technologies, systems, and services •Develop a cloud management architecture using ITIL, TMF, and ITU-TMN standards •Implement best practices for cloud service provisioning, activation, and management •Automate cloud infrastructure to simplify service delivery, monitoring and assurance •Choose and implement the right billing/chargeback

approaches for your business •Design and build IaaS services, from start to finish •Manage the unique capacity challenges associated with sporadic, real-time demand •Provide a consistent and optimal cloud user experience This book is part of the Networking Technology Series from Cisco Press, which offers networking professionals valuable information for constructing efficient networks, understanding new technologies, and building successful careers.

Everybody is talking about cloud computing, but are they really saying anything you need to hear? Can the cloud actually help your business become more agile, innovative, and profitable? Is the promise of cloud more hype than substantive? Cloud Computing: Beyond the Hype answers these questions and many more with a no-nonsense, business-savvy tour of the cloud computing landscape. Topics discussed include the pros and cons of cloud computing, making the economic case, developing a cloud strategy, combining private and public cloud resources, and managing and securing your cloud. Full of practical examples and insights from industry experts, Cloud Computing: Beyond the Hype provides a solid launching point to seize new opportunities for both you and your organization.

Intelligent Systems Technologies and Applications 2016

Web-Based Services: Concepts, Methodologies, Tools, and Applications

Going Corporate
Concepts, Methodologies, Tools, and Applications
Cases on Emerging Information Technology
Research and Applications
Attaining Market Leadership via the Cloud, Big Data,
Social, Mobile, and the Internet of Things

Going Corporate: A Geek's Guide shows technology workers how to gain the understanding and skills necessary for becoming an effective, promotable manager or sought-after consultant or freelancer. Technology professionals typically dive deeply into small pieces of technology—like lines of code or the design of a circuit. As a result, they may have trouble seeing the bigger picture and how their work supports an organization's goals. But ignoring or dismissing the business or operational aspects of projects and products can lead to career stagnation. In fact, understanding the larger business environment is essential for those who want a management job, a consulting gig, or to one day start a business. It's also essential for those who have been promoted and find themselves flailing for lack of a business education. Going Corporate: A Geek's Guide to the rescue! This book is designed to help readers gain management skills, insight, and practical understanding of essential business and operational topics. Readers will learn to develop project and program management skills, deliver service efficiently and improve processes, implement governance, analyze financial statements, and much more. After reading this book, technology professionals will understand such things as enterprise architecture, IT operations management, strategic and financial management—and how each relates to the others. Detailed case studies help cement an understanding of how an IT organization and its workers succeed in the 21st century. This book: Illustrates how pieces of the business puzzle fit together to

form a robust enterprise Prepares readers to get promoted into management Explains the key management skills and knowledge required for a successful IT career
This book captures the state of the art in cloud technologies, infrastructures, and service delivery and deployment models. The work provides guidance and case studies on the development of cloud-based services and infrastructures from an international selection of expert researchers and practitioners. Features: presents a focus on security and access control mechanisms for cloud environments, analyses standards and brokerage services, and investigates the role of certification for cloud adoption; evaluates cloud ERP, suggests a framework for implementing "big data" science, and proposes an approach for cloud interoperability; reviews existing elasticity management solutions, discusses the relationship between cloud management and governance, and describes the development of a cloud service capability assessment model; examines cloud applications in higher education, including the use of knowledge-as-a-service in the provision of education, and cloud-based e-learning for students with disabilities.
Explores cloud computing, breaking down the concepts, models, mechanisms, and architectures of this technology while allowing for the financial assessment of resources and how they compare to traditional storage systems.
Cloud Computing, a new prototype of computing infrastructure provision, gives an assurance of fulfilling a dream of optimal utilization of computer utilities for an economical and smooth functioning of businesses. In Cloud Computing, the economic aspect along with cloud offerings is a research topic in itself. This research presents an overview of the economic aspects involved. Cloud architecture brings with it an assurance of a low-cost delivery, speedy implementation, enhanced flexibility and thus has been adopted widely in a very short period of time. Statistics show that there is a possibility of the cloud services

**market reaching a level of 160 billion dollars by the year 2020. Although cloud computing technology is being widely accepted, the research is still in the beginning stage. This research attempts to bring out the viability of adoption of this technology based on suitability index and uses further, parameters like number of servers, geographical coverage, extent of data to be migrated, size of operations of the companies and the various financial parameters like ROI (Return on Investment), Payback period, NPV (Net Present Value). However there is more in-depth research that requires to go into the details of company business and gaining further insight into cloud adoption. Here, the study encompasses 35 companies with a view to provide different available variations in terms of all the above mentioned parameters in an attempt to aid the decision making regarding adoption of cloud architecture. The research highlights the reasons for the adoption of cloud architecture by different companies from the chosen 35 companies. The researcher is optimistic that this research will definitely prove helpful in taking the correct decision and will help more number of companies to implement the cloud technology and reap the benefits of the same. Keywords: Cloud Computing, Architecture, Suitability, ROI, Adoption of cloud or Migration.
A Geek's Guide
Selling IT
Automating the Virtualized Data Center
Advances and Trends in Cloud Computing
Architecting the Cloud
Cloud-Based Microservices**

An expert guide to selecting the right cloud service model for your business Cloud computing is all the rage, allowing for the delivery of computing and storage capacity to a diverse community of end-recipients. However,

before you can decide on a cloud model, you need to determine what the ideal cloud service model is for your business. Helping you cut through all the haze, Architecting the Cloud is vendor neutral and guides you in making one of the most critical technology decisions that you will face: selecting the right cloud service model(s) based on a combination of both business and technology requirements. Guides corporations through key cloud design considerations Discusses the pros and cons of each cloud service model Highlights major design considerations in areas such as security, data privacy, logging, data storage, SLA monitoring, and more Clearly defines the services cloud providers offer for each service model and the cloud services IT must provide Arming you with the information you need to choose the right cloud service provider, Architecting the Cloud is a comprehensive guide covering everything you need to be aware of in selecting the right cloud service model for you. This unique volume explores cutting-edge management approaches to developing complex software that is efficient, scalable, sustainable, and suitable for distributed environments. Practical insights are offered by an international selection of pre-eminent authorities, including case studies, best practices, and balanced

corporate analyses. Emphasis is placed on the use of the latest software technologies and frameworks for life-cycle methods, including the design, implementation and testing stages of software development. Topics and features: · Reviews approaches for reusability, cost and time estimation, and for functional size measurement of distributed software applications · Discusses the core characteristics of a large-scale defense system, and the design of software project management (SPM) as a service · Introduces the 3PR framework, research on crowdsourcing software development, and an innovative approach to modeling large-scale multi-agent software systems · Examines a system architecture for ambient assisted living, and an approach to cloud migration and management assessment · Describes a software error proneness mechanism, a novel Scrum process for use in the defense domain, and an ontology annotation for SPM in distributed environments · Investigates the benefits of agile project management for higher education institutions, and SPM that combines software and data engineering This important text/reference is essential reading for project managers and software engineers involved in developing software for distributed computing environments. Students and researchers

interested in SPM technologies and frameworks will also find the work to be an invaluable resource. Prof. Zaigham Mahmood is a Senior Technology Consultant at Debesis Education UK and an Associate Lecturer (Research) at the University of Derby, UK. He also holds positions as Foreign Professor at NUST and IIU in Islamabad, Pakistan, and Professor Extraordinaire at the North West University Potchefstroom, South Africa.

The ultimate guide to assessing and exploiting the customer value and revenue potential of the Cloud A new business model is sweeping the world—the Cloud. And, as with any new technology, there is a great deal of fear, uncertainty, and doubt surrounding cloud computing. Cloudonomics radically upends the conventional wisdom, clearly explains the underlying principles and illustrates through understandable examples how Cloud computing can create compelling value—whether you are a customer, a provider, a strategist, or an investor. Cloudonomics covers everything you need to consider for the delivery of business solutions, opportunities, and customer satisfaction through the Cloud, so you can understand it—and put it to work for your business. Cloudonomics also delivers insight into when to avoid the cloud, and why. Quantifies how customers, users, and

cloud providers can collaborate to create win-wins Reveals how to use the Laws of Cloudonomics to define strategy and guide implementation Explains the probable evolution of cloud businesses and ecosystems Demolishes the conventional wisdom on cloud usage, IT spend, community clouds, and the enterprise-provider cloud balance Whether you're ready for it or not, Cloud computing is here to stay. Cloudonomics provides deep insights into the business value of the Cloud for executives, practitioners, and strategists in virtually any industry—not just technology executives but also those in the marketing, operations, economics, venture capital, and financial fields.
Cloud Computing Bible
Principles, Systems and Applications
Grid and Cloud Computing: Concepts, Methodologies, Tools and Applications
Workshops of ESOCC 2017, Oslo, Norway, September 27-29, 2017, Revised Selected Papers
Big Data Analytics
Cloud Computing and Services Science