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The Leadership Gap Jun 18 2020 Do people see you as the kind of leader you want to be? Are your strongest leadership qualities getting in the way of your greatness? After decades of advising and inspiring some of the most eminent chief executives in the world, Lolly Daskal has uncovered a startling pattern: within each leader are powerful abilities that are also hidden impediments to greatness. She's witnessed many highly driven, overachieving leaders rise to prominence fueled by well-honed skill sets, only to falter when the shadow sides of the same skills emerge. Now Daskal reveals her proven system, which leaders at any level can apply to dramatically improve their results. It begins with identifying your distinctive leadership archetype and recognizing its shadow: ■ The Rebel, driven by confidence, becomes the Imposter, plagued by self-doubt. ■ The Explorer, fueled by intuition, becomes the Exploiter, master of manipulation. ■ The Truth Teller, who embraces candor, becomes the

Deceiver, who creates suspicion. ■ The Hero, embodying courage, becomes the Bystander, an outright coward. ■ The Inventor, brimming with integrity, becomes the Destroyer, who is morally corrupt. ■ The Navigator, trusts and is trusted, becomes the Fixer, endlessly arrogant. ■ The Knight, for whom loyalty is everything, becomes the Mercenary, who is perpetually self-serving. Using psychology, philosophy, and her own experience, Daskal offers a breakthrough perspective on leadership. She'll take you inside some of the most cloistered boardrooms, let you in on deeply personal conversations with industry leaders, and introduce you to luminaries who've changed the world. Her insights will help you rethink everything you know to become the leader you truly want to be.

Internet of Things, Smart Spaces, and Next Generation

Networks and Systems Jun 11 2022 This book constitutes the joint refereed proceedings of the 14th International Conference on Next Generation Wired/Wireless Advanced Networks and Systems, NEW2AN 2014, and the 7th Conference on Internet of Things and Smart Spaces, ruSMART 2014, held in St. Petersburg, Russia, in August 2014. The total of 67 papers was carefully reviewed and selected for inclusion in this book. The 15 papers selected from ruSMART are organized in topical sections named: smart spaces core technologies, smart spaces for geo-location and e-tourism apps, smart space supporting technologies, and video solutions for smart spaces. The 52 papers from NEW2AN deal with the following topics: advances in wireless networking, ad hoc networks and enhanced services, sensor- and machine-type communication, networking architectures and their modeling, traffic analysis and prediction, analytical methods for performance evaluation, materials for future communications, generation and analysis of signals, business aspects of networking, progress on upper layers and implementations, modeling methods and tools, techniques, algorithms, and control problems, photonics and optics, and signals and their processing.

Internet of Things, Smart Spaces, and Next Generation

Networking Mar 28 2021 This book constitutes the joint refereed proceedings of the 13 International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networking, NEW2AN, and the 6th Conference on Internet of Things and Smart Spaces, ruSMART 2013, held in St. Petersburg, Russia, in August 2013. The total of 38 papers was carefully reviewed and selected for inclusion in this book. The 14 papers selected from ruSMART are organized in topical sections named: internet on things, smart spaces technologies; and smart systems. The 24 papers from NEW2AN deal with the following topics: performance and efficiency analysis, network and transport layer issues; cognitive radio networks; sensor and mesh networks; upper layer protocols and applications; ad-hoc, cellular and satellite networks.

Smart Things Jan 18 2023 The world of smart shoes, appliances, and phones is already here, but the practice of user experience (UX) design for ubiquitous computing is still relatively new. Design companies like IDEO and frogdesign are regularly asked to design products that unify software interaction, device design and service design -- which are all the key components of ubiquitous computing UX -- and practicing designers need a way to tackle practical challenges of design. Theory is not enough for them -- luckily the industry is now mature enough to have tried and tested best practices and case studies from the field. Smart Things presents a problem-solving approach to addressing designers' needs and concentrates on process, rather than technological detail, to keep from being quickly outdated. It pays close attention to the capabilities and limitations of the medium in question and discusses the tradeoffs and challenges of design in a commercial environment. Divided into two sections, frameworks and techniques, the book discusses broad design methods and case studies that reflect key aspects of these approaches. The book then presents a set of techniques highly valuable to a practicing designer. It is intentionally not a comprehensive tutorial of user-centered design'as that is covered in many other books'but it is a handful of techniques useful when designing ubiquitous computing user experiences. In short, Smart Things gives its readers both the "why" of this kind of design and the "how," in well-defined chunks. Tackles design of products in the post-Web world where computers no longer have to be monolithic, expensive general-purpose devices Features broad frameworks and processes, practical advice to help approach specifics, and techniques for the unique design challenges Presents case studies that describe, in detail, how others have solved problems, managed trade-offs, and met successes

Internet of Medical Things for Smart Healthcare Jul 20 2020 This book covers COVID-19 related research works and focuses on recent advances in the Internet of Things (IoT) in smart healthcare technologies. It includes reviews and original works on COVID-19 in terms of e-healthcare, medicine technology, life support systems, fast detection, diagnoses, developed technologies and innovative solutions, bioinformatics, datasets, apps for diagnosis, solutions for monitoring and control of the spread of COVID-19, among other topics. The book covers comprehensive studies from bioelectronics and biomedical engineering, artificial intelligence, and big data with a prime focus on COVID-19 pandemic.

Agricultural Internet of Things and Decision Support for

Precision Smart Farming Oct 03 2021 Agricultural Internet of Things and Decision Support for Smart Farming reveals how a set of key enabling technologies (KET) related to agronomic management, remote and proximal sensing, data mining, decision-making and automation can be efficiently integrated in one system. Chapters cover

how KETs enable real-time monitoring of soil conditions, determine real-time, site-specific requirements of crop systems, help develop a decision support system (DSS) aimed at maximizing the efficient use of resources, and provide planning for agronomic inputs differentiated in time and space. This book is ideal for researchers, academics, post-graduate students and practitioners who want to embrace new agricultural technologies. Presents the science behind smart technologies for agricultural management Reveals the power of data science and how to extract meaningful insights from big data on what is most suitable based on individual time and space Proves how advanced technologies used in agriculture practices can become site-specific, locally adaptive, operationally feasible and economically affordable

Making Things Smart Oct 15 2022 Making Things Smart teaches the fundamentals of the powerful ARM microcontroller by walking beginners and experienced users alike through easily assembled projects comprised of inexpensive, hardware-store parts. Current ARM programming books take a bland, textbook approach focused on complex, beginner-unfriendly languages like C or ARM Assembler. Making Things Smart uses Espruno (JavaScript for Hardware), flattening the learning curve.

Smart Internet of Things Projects Aug 21 2020 Discover how to build your own smart Internet of Things projects and bring a new degree of interconnectivity to your world About This Book Learn how to extract and analyse data from physical devices and build smart IoT projects Master the skills of building enticing projects such as a neural network autonomous car, computer vision through a camera, and cloud-based IoT applications This project-based guide leverages revolutionary computing chips such as Raspberry Pi, Arduino, and so on Who This Book Is For If you are hobbyist who is keen on making smart IoT projects, then this book is for you. You should have a basic knowledge of Python. What You Will Learn Implement data science in your IoT projects and build a smart temperature controller Create a simple machine learning application and implement decision system concepts Develop a vision machine using OpenCV Build a robot car with manual and automatic control Implement speech modules with your own voice commands for IoT projects Connect IoT to a cloud-based server In Detail Internet of Things (IoT) is a groundbreaking technology that involves connecting numerous physical devices to the Internet and controlling them. Creating basic IoT projects is common, but imagine building smart IoT projects that can extract data from physical devices, thereby making decisions by themselves. Our book overcomes the challenge of analyzing data from physical devices and accomplishes all that your imagination can dream up by teaching you how to build smart IoT projects. Basic statistics and various applied algorithms in data science and machine learning are introduced to accelerate your knowledge of how to integrate a decision system into a physical device. This book contains IoT projects such as building a smart temperature controller, creating your own vision machine project, building an autonomous mobile robot car, controlling IoT projects through voice commands, building IoT applications utilizing

cloud technology and data science, and many more. We will also leverage a small yet powerful IoT chip, Raspberry Pi with Arduino, in order to integrate a smart decision-making system in the IoT projects. Style and approach The book follows a project-based approach to building smart IoT projects using powerful boards such as the Raspberry Pi, Arduino, and the IoT chip.

Artificial Intelligence of Things for Smart Green Energy Management Apr 16 2020 This book is intended to assist in the development of smart and efficient green energy solutions. It introduces energy systems, power generation, and power demands which able to minimise generation costs, power loss or environmental effects. It proposes cutting-edge solutions and approaches based on recent technologies such as intelligent renewable energy systems (wind and solar). These solutions, applied to different sectors, can provide a solid basis for meeting the needs of both developed and developing countries. The book provides a collection of contributions including new techniques, methods, algorithms, practical solutions and models based on applying artificial intelligence and the Internet of things into green energy management systems. It provides a comprehensive reference for researchers, scholars and industry in the field of green energy and computational intelligence.

If You're So Smart, Why Aren't You Happy? Sep 02 2021 The first book by the creator of COURSERA®'s most popular online course in 2015, "A Life of Happiness and Fulfillment" Could the same traits that drive your career success also be keeping you from being happier? Fifteen years after getting his MBA, Raj Raghunathan spent some time with his old classmates. He noticed that though they'd all done well, there didn't appear to be much correlation between their academic success and career success. What Raj found even more curious was the even smaller correlation between career success and what he calls life success. The greater the career success, the more unhappy, out of shape, harried and distracted his friends were. If intelligence helps with decision-making, smart people should naturally make better life choices. So why are so many of the smartest, brightest, most successful people profoundly unhappy? Raj set out to find an answer to this problem, and extensively researched happiness not just of students and business people, but also stay-at-home-parents, lawyers, and artists, among others. If You're So Smart, Why Aren't You Happy? takes readers on a fun and meaningful tour of the best research available on how some of the very determinants of success may also come to deflate happiness. Raghunathan explores the seven most common inclinations that successful people need to overcome, and the seven habits they should adopt instead. Among his surprising findings... ·The correlation between wealth and happiness is much smaller than you'd expect it to be ·Generosity is not only a key to happiness, but a determining factor of long term success ·Appreciating uncertainty, rather than seeking full control of outcomes, is necessary for happiness If You're So Smart, Why Aren't You Happy? will give you a powerful new perspective on your work, personal goals and relationships, whether you're already successful or just starting out. **Cognitive Internet of Medical Things for Smart Healthcare** Feb

13 2020 This book aims to provide a detailed understanding of IoMT-supported applications while engaging premium smart computing methods and improved algorithms in the field of computer science. It contains thirteen chapters discussing various applications under the umbrella of the Internet of Medical Things. These applications geared towards IoMT cloud analysis, machine learning, computer vision and deep learning have enabled the evaluation of the proposed solutions. **Intelligent Internet of Things** Dec 13 2019 This holistic book is an invaluable reference for addressing various practical challenges in architecting and engineering Intelligent IoT and eHealth solutions for industry practitioners, academic and researchers, as well as for engineers involved in product development. The first part provides a comprehensive guide to fundamentals, applications, challenges, technical and economic benefits, and promises of the Internet of Things using examples of real-world applications. It also addresses all important aspects of designing and engineering cutting-edge IoT solutions using a cross-layer approach from device to fog, and cloud covering standards, protocols, design principles, reference architectures, as well as all the underlying technologies, pillars, and components such as embedded systems, network, cloud computing, data storage, data processing, big data analytics, machine learning, distributed ledger technologies, and security. In addition, it discusses the effects of Intelligent IoT, which are reflected in new business models and digital transformation. The second part provides an insightful guide to the design and deployment of IoT solutions for smart healthcare as one of the most important applications of IoT. Therefore, the second part targets smart healthcare-wearable sensors, body area sensors, advanced pervasive healthcare systems, and big data analytics that are aimed at providing connected health interventions to individuals for healthier lifestyles.

Green Internet of Things for Smart Cities Oct 23 2020 The bright future of green IoT will change our tomorrow environment to become healthier and green, with very high quality of service that is socially, environmentally, and economically sustainable. This book covers the most recent advances in IoT, it discusses Smart City implementation, and offers both quantitative and qualitative research. It focuses on greening things such as green communication and networking, green design and implementations, green IoT services and applications, energy saving strategies, integrated RFIDs and sensor networks, mobility and network management, the cooperation of homogeneous and heterogeneous networks, smart objects, and green localization. This book with its wide range of related topics in IoT and Smart City, will be useful for graduate students, researchers, academicians, institutions, and professionals that are interested in exploring the areas of IoT and Smart City.

Internet of Things and Smart Environments Aug 13 2022 This book is focused on the Internet of Things (IoT) services and smart environments that can be of assistance to the elderly and individuals living with dementia or some sensory impairment. The book outlines the requirements of the systems that aim to furnish some digital sensory or cognitive assistance to the individuals and their caregivers.

Internet of Things and Smart Environments: Assistive Technologies for Disability, Dementia, and Aging covers the important evolutions of the IoT, the sensors, actuators, wireless communication and pervasive computing systems, and other enabling technologies that power up this megatrend infrastructure. The use of the IoT-based systems in improving the conventional assistive technologies and provisions of ambient assisted living are also covered. The book takes an impartial, and yet holistic, view to providing research insights and inspirations for more development works in the areas related to assistive IoT. It will show the potentials of using normally available interactive devices, like smartphones or smart TVs, which can be supplemented with low-cost gadgets or apps to provide assistive capabilities. It aims to accentuate the need for taking a comprehensive and combinatory view of the comprising topics and approaches that are based on the visions and ideas from all stakeholders. The book will examine these points and considerations to conclude with recommendations for future development works and research directions. This book can be of value to a diverse array of audience. The researchers and developers in healthcare and medicine, aged care and disability services, as well as those working in the IoT-related fields, may find many parts of this book useful and stimulating. It can be of great value to postgraduate and research students working in these areas. It can also be adapted for use in upper-level classroom courses relevant to communication and smart technologies, IoT applications, and assistive technologies. Many parts of the book can be of interest to the elderly and individuals living with a disability, as well as their families and caregivers. From an industry perspective, it can be of interest to software, hardware, and particularly app developers working on the IoT applications, smart homes and environments, and assistive technologies for the elderly and people living with disability or dementia.

Smart People Should Build Things Nov 16 2022 Andrew Yang, the founder of Venture for America, offers a unique solution to our country's economic and social problems—our smart people should be building things. Smart People Should Build Things offers a stark picture of the current culture and a revolutionary model that will redirect a generation of ambitious young people to the critical job of innovating and building new businesses. As the Founder and CEO of Venture for America, Andrew Yang places top college graduates in start-ups for two years in emerging U.S. cities to generate job growth and train the next generation of entrepreneurs. He knows firsthand how our current view of education is broken. Many college graduates aspire to finance, consulting, law school, grad school, or medical school out of a vague desire for additional status and progress rather than from a genuine passion or fit. In Smart People Should Build Things, this self-described “recovering lawyer” and entrepreneur weaves together a compelling narrative of success stories (including his own), offering observations about the flow of talent in the United States and explanations of why current trends are leading to economic distress and cultural decline. He also presents recommendations for both policy makers and job seekers to make entrepreneurship more realistic and achievable.

Enriching Urban Spaces with Ambient Computing, the Internet of Things, and Smart City Design Oct 11 2019 In recent years, the presence of ubiquitous computing has increasingly integrated into the lives of people in modern society. As these technologies become more pervasive, new opportunities open for making citizens' environments more comfortable, convenient, and efficient. Enriching Urban Spaces with Ambient Computing, the Internet of Things, and Smart City Design is a pivotal reference source for the latest scholarly material on the interaction between people and computing systems in contemporary society, showcasing how ubiquitous computing influences and shapes urban environments. Highlighting the impacts of these emerging technologies from an interdisciplinary perspective, this book is ideally designed for professionals, researchers, academicians, and practitioners interested in the influential state of pervasive computing within urban contexts.

Internet of Things and Big Data Analytics for Smart Generation Mar 16 2020 This book discusses emerging technologies in the field of the Internet of Things and big data, an area that will be scaled in next two decades. Written by a team of leading experts, it is the only book focusing on the broad areas of both the Internet of things and big data. The thirteen chapters present real-time experimental methods and theoretical explanations, as well as the implementation of these technologies through various applications. Offering a blend of theory and hands-on practices, the book enables graduate, postgraduate and research students who are involved in real-time project scaling techniques to understand projects and their execution. It is also useful for senior computer students, researchers and industry workers who are involved in experimenting with the Internet of Things and big data technologies, helping them to solve the real-time problem. Moreover, the chapters covering cutting-edge technologies help multidisciplinary researchers who are bridging the gap of two different outset real-time problems.

Internet of Things Based on Smart Objects May 10 2022 The Internet of Things (IoT) usually refers to a world-wide network of interconnected heterogeneous objects (sensors, actuators, smart devices, smart objects, RFID, embedded computers, etc) uniquely addressable, based on standard communication protocols. Beyond such a definition, it is emerging a new definition of IoT seen as a loosely coupled, decentralized system of cooperating smart objects (SOs). A SO is an autonomous, physical digital object augmented with sensing/actuating, processing, storing, and networking capabilities. SOs are able to sense/actuate, store, and interpret information created within themselves and around the neighbouring external world where they are situated, act on their own, cooperate with each other, and exchange information with other kinds of electronic devices and human users. However, such SO-oriented IoT raises many in-the-small and in-the-large issues involving SO programming, IoT system architecture/middleware and methods/methodologies for the development of SO-based applications. This Book will specifically focus on exploring recent advances in architectures, algorithms, and applications for an Internet of Things based on Smart Objects. Topics

appropriate for this Book include, but are not necessarily limited to: - Methods for SO development - IoT Networking - Middleware for SOs - Data Management for SOs - Service-oriented SOs - Agent-oriented SOs - Applications of SOs in Smart Environments: Smart Cities, Smart Health, Smart Buildings, etc. Advanced IoT Projects.

Internet of Things, Smart Spaces, and Next Generation Networks and Systems Jan 26 2021 This book constitutes the joint refereed proceedings of the 21st International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems, NEW2AN 2021, and the 14th Conference on Internet of Things and Smart Spaces, ruSMART 2021. The conference was held virtually due to the COVID-19 pandemic. The 41 revised full papers presented were carefully reviewed and selected from 118 submissions.

Internet of Things, Smart Computing and Technology: A Roadmap Ahead Feb 24 2021 This book addresses a broad range of topics concerning machine learning, big data, the Internet of things (IoT), and security in the IoT. Its goal is to bring together several innovative studies on these areas, in order to help researchers, engineers, and designers in several interdisciplinary domains pursue related applications. It presents an overview of the various algorithms used, focusing on the advantages and disadvantages of each in the fields of machine learning and big data. It also covers next-generation computing paradigms that are expected to support wireless networking with high data transfer rates and autonomous decision-making capabilities. In turn, the book discusses IoT applications (e.g. healthcare applications) that generate a huge amount of sensor data and imaging data that must be handled correctly for further processing. In the traditional IoT ecosystem, cloud computing offers a solution for the efficient management of huge amounts of data, thanks to its ability to access shared resources and provide a common infrastructure in a ubiquitous manner. Though these new technologies are invaluable, they also reveal serious IoT security challenges. IoT applications are vulnerable to various types of attack such as eavesdropping, spoofing and false data injection, the man-in-the-middle attack, replay attack, denial-of-service attack, jamming attack, flooding attack, etc. These and other security issues in the Internet of things are explored in detail. In addition to highlighting outstanding research and recent advances from around the globe, the book reports on current challenges and future directions in the IoT. Accordingly, it offers engineers, professionals, researchers, and designers an applied-oriented resource to support them in a broad range of interdisciplinary areas.

Emotional Intelligence 2.0 Sep 21 2020 Presents a step-by-step guide for increasing emotional intelligence through four core principles: self-awareness, self-management, social awareness, and relationship management.

Why Smart People Can Be So Stupid Jun 30 2021 “A serious attempt to understand a common phenomenon” from the author of The Nature of Human Intelligence (Psychology Today). One need not look far to find breathtaking acts of stupidity committed by people who are smart, or even brilliant. The behavior of clever individuals—from presidents to

prosecutors to professors—is at times so amazingly stupid as to seem inexplicable. Why do otherwise intelligent people think and behave in ways so stupid that they sometimes destroy their livelihoods or even their lives? This is an investigation of psychological research to see what it can tell us about stupidity in everyday life. The contributors to the volume—scholars in various areas of human intelligence—present examples of people messing up their lives, and offer insights into the reasons for such behavior. From a variety of perspectives, the contributors discuss: The nature and theory of stupidity How stupidity contributes to stupid behavior Whether stupidity is measurable. While many millions of dollars are spent each year on intelligence research and testing to determine who has the ability to succeed, next to nothing is spent to determine who will make use of their intelligence and not squander it by behaving stupidly. The contributors focus on the neglected side of this discussion, reviewing the full range of theory and research on stupid behavior and analyzing what it tells us about how people can avoid stupidity and its devastating consequences. “Marvelous, devilishly clever, and culturally timely book . . . A fascinating exploration.” —Choice “Easily readable and well referenced . . . May provide just enough momentum for change.” —International Journal of Intelligence

Smart Innovation of Web of Things Mar 08 2022 The Web of Things (WoT) is a concept that describes approaches, programming tools and software architectural systems, which interface networks of real-world objects with the World Wide Web. The book is organized into 11 chapters, each focusing on a unique wireless technological aspect of the Web of Things, and it aims to comprehensively cover each of its various applications, including: A strong emphasis on WoT problems and solutions, identifying the main open issues, innovations and latest technologies behind WoT A blend of theoretical and simulation-based problems for better understanding of the concepts behind WoT Various exemplifying applications in which the use of WoT is very attractive and an inspiration for future applications The book will be useful to researchers, software developers and undergraduate and postgraduate students, as well as practitioners.

Artificial Intelligence and Internet of Things Jan 14 2020 This book reveals the applications of AI and IoT in smart healthcare and medical systems. It provides core principles, algorithms, protocols, emerging trends, security problems, and the latest e-healthcare services findings. The book also provides case studies and discusses how AI and IoT applications such as wireless devices, sensors, and deep learning could play a major role in assisting patients, doctors, and pharmaceutical staff. It focuses on how to use AI and IoT to keep patients safe and healthy and, at the same time, empower physicians to deliver superlative care. This book is written for researchers and practitioners working in the information technology, computer science, and medical equipment manufacturing industry for products and services having basic- and high-level AI and IoT applications. The book is also a useful guide for academic researchers and students.

Internet of Things for Smart Cities Jan 06 2022 This book introduces the concept of smart city as the potential solution to the

challenges created by urbanization. The Internet of Things (IoT) offers novel features with minimum human intervention in smart cities. This book describes different components of Internet of Things (IoT) for smart cities including sensor technologies, communication technologies, big data analytics and security.

Smart Marketing With the Internet of Things Aug 01 2021 The internet of things (IoT) enhances customer experience, increases the amount of data gained through connected devices, and widens the scope of analytics. This provides a range of exciting marketing possibilities such as selling existing products and services more effectively, delivering truly personalized customer experiences, and potentially creating new products and services. Smart Marketing With the Internet of Things is an essential reference source that discusses the use of the internet of things in marketing, as well as its importance in enhancing the customer experience. Featuring research on topics such as augmented reality, sensor networks, and wearable technology, this book is ideally designed for business professionals, marketing managers, marketing strategists, academicians, researchers, and graduate-level students seeking coverage on the use of IoT in enhancing customer marketing outcomes.

Smart and Gets Things Done Nov 04 2021 A "good" programmer can outproduce five, ten, and sometimes more run-of-the-mill programmers. The secret to success for any software company then is to hire the good programmers. But how to do that? In Joel on Hiring, Joel Spolsky draws from his experience both at Microsoft and running his own successful software company based in New York City. He writes humorously, but seriously about his methods for sorting resumes, for finding great candidates, and for interviewing, in person and by phone. Joel's methods are not complex, but they do get to the heart of the matter: how to recognize a great developer when you see one.

Big Data and Internet of Things: A Roadmap for Smart Environments Dec 05 2021 This book presents current progress on challenges related to Big Data management by focusing on the particular challenges associated with context-aware data-intensive applications and services. The book is a state-of-the-art reference discussing progress made, as well as prompting future directions on the theories, practices, standards and strategies that are related to the emerging computational technologies and their association with supporting the Internet of Things advanced functioning for organizational settings including both business and e-science. Apart from inter-operable and inter-cooperative aspects, the book deals with a notable opportunity namely, the current trend in which a collectively shared and generated content is emerged from Internet end-users. Specifically, the book presents advances on managing and exploiting the vast size of data generated from within the smart environment (i.e. smart cities) towards an integrated, collective intelligence approach. The book also presents methods and practices to improve large storage infrastructures in response to increasing demands of the data intensive applications. The book contains 19 self-contained chapters that were very carefully selected based on peer review by at least two

expert and independent reviewers and is organized into the three sections reflecting the general themes of interest to the IoT and Big Data communities: Section I: Foundations and Principles Section II: Advanced Models and Architectures Section III: Advanced Applications and Future Trends The book is intended for researchers interested in joining interdisciplinary and transdisciplinary works in the areas of Smart Environments, Internet of Things and various computational technologies for the purpose of an integrated collective computational intelligence approach into the Big Data era.

Internet of Things, Smart Spaces, and Next Generation Networks and Systems Apr 09 2022 This book constitutes the joint refereed proceedings of the 16th International Conference on Next Generation Wired/Wireless Advanced Networks and Systems, NEW2AN 2016, and the 9th Conference on Internet of Things and Smart Spaces, ruSMART 2016, held in St. Petersburg, Russia, in September 2016. The 69 revised full papers were carefully reviewed and selected from 204 submissions. The 12 papers selected for ruSMART are organized in topical sections on new generation of smart services; smart services serving telecommunication networks; role of context for smart services; and smart services in automotive industry. The 57 papers from NEW2AN deal with the following topics: cooperative communications; wireless networks; wireless sensor networks; security issues; IoT and industrial IoT; NoC and positioning; ITS; network issues; SDN; satellite communications; signals and circuits; advanced materials and their properties; and economics and business.

Internet of Things (IoT) for Automated and Smart Applications Dec 25 2020 Internet of Things (IoT) is a recent technology paradigm that creates a global network of machines and devices that are capable of communicating with each other. Security cameras, sensors, vehicles, buildings, and software are examples of devices that can exchange data between each other. IoT is recognized as one of the most important areas of future technologies and is gaining vast recognition in a wide range of applications and fields related to smart homes and cities, military, education, hospitals, homeland security systems, transportation and autonomous connected cars, agriculture, intelligent shopping systems, and other modern technologies. This book explores the most important IoT automated and smart applications to help the reader understand the principle of using IoT in such applications.

From Internet of Things to Smart Cities Jul 12 2022 From Internet of Things to Smart Cities: Enabling Technologies explores the information and communication technologies (ICT) needed to enable real-time responses to current environmental, technological, societal, and economic challenges. ICT technologies can be utilized to help with reducing carbon emissions, improving resource utilization efficiency, promoting active engagement of citizens, and more. This book aims to introduce the latest ICT technologies and to promote international collaborations across the scientific community, and eventually, the general public. It consists of three tightly coupled parts. The first part explores the involvement of enabling technologies from basic machine-to-machine communications to Internet of Things technologies. The second part of the book focuses on state of the art data analytics and

security techniques, and the last part of the book discusses the design of human-machine interfaces, including smart home and cities. Features Provides an extended literature review of relevant technologies, in addition to detailed comparison diagrams, making new readers be easier to grasp fundamental and wide knowledge Contains the most recent research results in the field of communications, signal processing and computing sciences for facilitating smart homes, buildings, and cities Includes future research directions in Internet of Things, smart homes, smart buildings, smart grid, and smart cities Presents real examples of applying these enabling technologies to smart homes, transportation systems and cities With contributions from leading experts, the book follows an easy structure that not only presents timely research topics in-depth, but also integrates them into real world applications to help readers to better understand them.

Things That Make Us Smart Feb 19 2023 In Things That Make Us Smart, Donald A. Norman explores the complex interaction between human thought and the technology it creates, arguing for the development of machines that fit our minds, rather than minds that must conform to the machine. Humans have always worked with objects to extend our cognitive powers, from counting on our fingers to designing massive supercomputers. But advanced technology does more than merely assist with thought and memory—the machines we create begin to shape how we think and, at times, even what we value. Norman, in exploring this complex relationship between humans and machines, gives us the first steps towards demanding a person-centered redesign of the machines that surround our lives.

The Internet of Things Feb 07 2022 How the Internet of Things will change your life: all you need to know, in plain English! The Internet of Things (IoT) won't just connect people: It will connect "smart" homes, appliances, cars, offices, factories, cities... the world. You need to know what's coming: It might just transform your life. Now, the world's #1 author of beginning technology books has written the perfect introduction to IoT for everyone. Michael Miller shows how connected smart devices will help people do more, do it smarter, do it faster. He also reveals the potential risks—to your privacy, your freedom, and maybe your life. Make no mistake: IoT is coming quickly. Miller explains why you care, helps you use what's already here, and prepares you for the world that's hurtling toward you. --What is IoT? How does it work? How will it affect me? --What's realistic, and what's just hype? --How smart is my "smart TV" really? (And, is it watching me?) --Can smart IoT devices make me healthier? --Will smart appliances ever be useful? --How much energy could I save with a smart home? --What's the future of wearable tech? --When will I have a self-driving car? --When will I have a nearly self-driving car? (Hint: Surprisingly soon.) --Is IoT already changing the way I shop? --What's the future of drones, at war and in my neighborhood? --Could smart cities lower my taxes? --Who gets the data my devices are collecting? --How can I profit from the Internet of Things? --What happens when the whole world is connected? --Will I have any privacy left at all?

Internet of Things, Smart Spaces, and Next Generation

Networking Apr 28 2021 This book constitutes the joint refereed proceedings of the 12 International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networking, NEW2AN, and the 5th Conference on Internet of Things and Smart Spaces, ruSMART 2012, held in St. Petersburg, Russia, in August 2012. The total of 42 papers was carefully reviewed and selected for inclusion in this book. The 14 papers selected from ruSMART are organized in topical sections named: defining an internet-of-things ecosystem; future services; and smart space governing through service mashups. The 28 papers from NEW2AN deal with the following topics: wireless cellular networks; ad-hoc, mesh, and delay-tolerant networks; scalability, cognition, and self-organization; traffic and internet applications; and wireless sensor networks. They also contain 4 selected papers from the NEW2AN 2012 winter session.

Internet of Things for Smart Cities May 18 2020 This book introduces the concept of smart city as the potential solution to the challenges created by urbanization. The Internet of Things (IoT) offers novel features with minimum human intervention in smart cities. This book describes different components of Internet of Things (IoT) for smart cities including sensor technologies, communication technologies, big data analytics and security.

The 7 Best Things Smart Teens Do Nov 23 2020 In , therapists John and Linda Friel gave parents an easy-to-understand guide to overcome the seven worst mistakes even good parents make while raising children. Now they've written a book for teens based on the same formula: it includes the seven worst things even smart—and outwardly successful—teens do, and shows teens how they can change these behaviors and assure their success in life as they grow towards adulthood. This book was written expressly for teenagers as a unique roadmap into adulthood. It was designed to stimulate the brain as well as the heart because teenagers who listen to both can eventually negotiate adolescence successfully. It will appeal to teenagers who like to think, wonder, question and challenge, as well as to teenagers who feel that they haven't quite figured out this "life" thing. The Friels show teens the seven things they need to do in order to overcome common roadblocks they face or will face. These are: Become competent—don't expect to have self-esteem without becoming competent Master your feelings—don't let your feelings run the show Break the silence—don't silently scream instead of making yourself known Get healthy power—don't avoid learning about power Face the serious stuff—don't hide the really important things you're experiencing Find an identity—don't avoid the struggle to find yourself Learn to stake out the extremes—don't live only in the extremes. Written in clear, straightforward language and including many interesting and colorful story interludes, this book is an easy-to-use, powerful tool for all teens.

Why Smart People Do Stupid Things Dec 17 2022 Why Smart People Do Stupid Things addresses a question that's frequently on our minds. When Bill Clinton's affair with Monica Lewinsky was exposed many people were utterly astounded. How could he? Most of us were asking. Answers aren't easy to come by because we have spent

considerable time building on our strengths to the neglect of our dark side. We aren't only puzzled when we see friends, co-workers, or public leaders engage in stupid, unseemly, unexplainable acts, we are personally threatened by it. If them, why not still others or perhaps ourselves. This book looks at numerous examples of apparently unexplainable stupidities with particular focus upon Richard Nixon and Bill Clinton. Every mindless act doesn't turn out wrong. There are occasions when the outcome greatly benefits us. On the other hand, there are many times when the result goes against us to our disadvantage if not to the point of tragedy. Why? This book addresses the complex issues involved in making rational decisions, including excusable error. Analyses are offered in a readily understandable style. Potential solutions are described. The topic is of vital interest to us individually as well as to the nation.

The Dumb Things Smart People Do with Their Money Sep 14 2022 You're smart. So don't be dumb about money. Pinpoint your biggest money blind spots and take control of your finances with these tools from CBS News Business Analyst and host of the nationally syndicated radio show Jill on Money, Jill Schlesinger. "A must-read . . . This straightforward and pleasingly opinionated book may persuade more of us to think about financial planning."—Financial Times Hey you . . . you saw the title. You get the deal. You're smart. You've made a few dollars. You've done what the financial books and websites tell you to do. So why isn't it working? Maybe emotions and expectations are getting in the way of good sense—or you're paying attention to the wrong people. If you've started counting your lattes, for god's sake, just stop. Read this book instead. After decades of working as a Wall Street trader, investment adviser, and money expert for CBS News, Jill Schlesinger reveals thirteen costly mistakes you may be making right now with your money. Drawing on personal stories and a hefty dose of humor, Schlesinger argues that even the brightest people can behave like financial dumb asses because of emotional blind spots. So if you've saved for college for your kids before saving for retirement, or you've avoided drafting a will, this is the book for you. By following Schlesinger's rules about retirement, college financing, insurance, real estate, and more, you can save money and avoid countless sleepless nights. It could be the smartest investment you make all year. Praise for The Dumb Things Smart People Do with Their Money "Common sense is not always common, especially when it comes to managing your money. Consider Jill Schlesinger's book your guide to all the things you should know about money but were never taught. After reading it, you'll be smarter, wiser, and maybe even wealthier."—Chris Guillebeau, author of Side Hustle and The \$100 Startup "A must-read, whether you're digging yourself out of a financial hole or stacking up savings for the future, The Dumb Things Smart People Do with Their Money is a personal finance gold mine loaded with smart financial nuggets delivered in Schlesinger's straight-talking, judgment-free style."—Beth Kobliner, author of Make Your Kid a Money Genius (Even If You're Not) and Get a Financial Life What Smart People Do when Dumb Things Happen at Work Nov 11 2019 Charles E. Watson, Ph.D., describes a variety of problems that

can occur at work and tells you how "smart people" deal with them effectively. By smart, he means "good," his point being that good is smart. He organizes his management-oriented scenarios according to a series of themes that highlight the best policies to adopt, such as sticking to your principles, accurately weighing your options and seeking to do what's right, not what's popular. The book mixes behavioral tips with solutions to problems, emphasizing the need to be trustworthy and responsible and to follow the path of morality and

integrity. Sometimes the book seems scattered, since the author distances the solutions from the dilemmas by dropping tips in between them, but the point and purpose survive this wrinkle. Since getabstract.com - like most of you - finds it pretty easy to advocate goodness, truth and fair dealing, we liked Watson's approach. Funny how doing the right thing turns out to be practical. [Why Smart People Do Dumb Things](#) May 30 2021 Culled from business

headlines and corporate files, [Why Smart People Do Dumb Things](#) is an in-depth examination of the ultimate in boardroom breakdown--a postmortem of the mega-mistakes made by highly regarded leaders in business and public life. From the "New Coke" debacle to the poor subscription showing of the Olympic Triplecast to the swirling controversy of Whitewater, Feinberg describes how strong minds can misuse their power, and why bright people often seize upon--and advocate brilliantly--ideas that others recognize as ridiculous.