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 11th International Conference on Theory and Application of Soft Computing, Computing with Words and Perceptions and Artificial Intelligence - ICSCCW-2021
 AI in the Wild
 Digitalization and Resource Management
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 Best-Selling House Plans, 4th Edition
 Design Cybernetics
 Retail's Seismic Shift
 The Curious Role of Time in Food and Flavor
 Free Software, the Internet, and Global Communities of Resistance
 The Home of the Future
 Fridge Love
 The Internet of Things for Education
 The Missing Ingredient
 Ultimate Book of Home Plans, Completely Updated & Revised 4th Edition
 The Internet of Things
 Living, Working, and Parenting in the Digital Age
 Marketing Strategies for Engaging the Digital Generation
 Over 360 Dream-Home Plans in Full Color
 Bringing your home to life using Raspberry Pi 3, Arduino, and ESP8266
 A New Actor on the Stage
 Proceedings of the AHFE 2017 International Conference on Human Factors in Communication of Design, July 17–21, 2017, The Westin Bonaventure Hotel, Los Angeles, California, USA
 The Internet in Everything
 Artificial Intelligence and You
 Uber, Airbnb and Other Companies Reshaping the Market
 Organizing Your Refrigerator for a Healthier, Happier Life--With 100 Recipes
 How to Shift Faster, Respond Better, and Win Customer Loyalty
 Hacking the Global
 Technology-enhanced Learning in the Early Years Foundation Stage
 Dynamic Quality Models and Games in Digital Supply Chains
 Guide to Wireless Communications
 Ultimate Book of Home Plans
 Mobile Networks for Biometric Data Analysis

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[IoT Solutions in Microsoft's Azure IoT Suite](#) Yale University Press

This book focuses on the emerging role of human factors in understanding, communicating with and engaging users. It reports on innovative approaches, with a special emphasis to visuals cues, such as new typographies, geometries and graphics for mobile and computer interfaces. The book also cover topics of image and video processing, user-focused data compression, generative visuals, computational photography, and interactive design. Further topics include creative and empathetic design, human touch in digital graphics and experiential graphics. Based on the AHFE 2017 International Conference on Human Factors in Communication of Design, held on July 17-21, 2017, in Los Angeles, California, USA, this book reports on new findings, best-practices and case studies, providing readers with a fresh perspective and novel insights into the applications of human factors for enriching communication of design to users.

The Big Business of Downtime Abrams

The old Internet typically connected personal computers. But a radically new Internet is emerging. Some call it an "Internet of Things" (IoT) or "Internet of Everything" (IoE). The IoT won't just connect people: it'll connect "smart" homes, appliances, cars, aircraft (a.k.a. drones)... offices, factories, cities... the world. By some estimates, the IoE will explode into a \$19 trillion market in just a few years. If that happens... when that

happens... it will transform your life. ¿ You need to know what's coming. But, until now, most guides to the Internet of Everything have been written for technical experts. Now, the world's #1 author of beginning technology books has written the perfect introduction for every consumer and citizen. In *The Internet of Things*, Michael Miller reveals how a new generation of autonomously connected smart devices is emerging, and how it will enable people and devices to do more things, more intelligently, and more rapidly. ¿ Miller demystifies every type of smart device, both current and future. Each chapter ends with a special "...and You" section, offering up-to-the-minute advice for using today's IoE technologies or preparing for tomorrow's. ¿ You'll also discover the potential downsides and risks associated with intelligent, automatic interaction. When all your devices can communicate with each other (and with the companies that sell and monitor them), how private is your private life? Do the benefits outweigh the risks? And what does a connected world do when the connections suddenly go down? Packed with scenarios and insider interviews, *The Internet of Things* makes our future utterly, vividly real.

Routledge

Most people associate artificial intelligence with IBM's Deep Blue playing chess against a world champion or Watson winning a Jeopardy competition, but AI is becoming a part of everyday life. This volume explores the applications of cutting-edge AI technology, incorporating examples particularly relevant to teens. It is used in facial recognition software in social media platforms, digital assistants on mobile devices, and fraud detection related to financial transactions. Autonomous vehicles and smart power grids are in development. The potential drawbacks of artificial intelligence, such as loss of jobs, privacy concerns, and bias in algorithms are also examined.

How Smart TVs, Smart Cars, Smart Homes, and Smart Cities are Changing the World Stanford University Press

For one hundred years, retail was designed for the car—buildings and malls to travel to. Now it is designed for the mobile smart device—for consumers to travel with. In a world with an overabundance of material goods, consumer values and the drivers of retail success are being radically redefined. The smartphone has created a world of limitless expectation and logistical possibility: What will the retail experience look like in ten, twenty, or even fifty years—and how should all companies be preparing? Industry experts Michael Dart and Robin Lewis identify the major trends in our economy that will shape the future of retail and determine who wins. Imagine a world where entertainment, experience, or values matter more than the product. We are approaching the time in which distribution begins and ends with the consumer, mass markets give way to fragmented markets, and the necessity of entirely new business models is paramount. Amazon, Uber, and AirBnB are just the beginning; new technologies will continue to grow and uproot existing business models. And now, with the emergence of the technology-empowered young consumer culture, retailers will be forced to transform their offerings. In their previous book, *The New Rules of Retail*, Dart and Lewis predicted nearly every defining characteristic of today's marketplace. Here, they do the same for the next era, in which retailers will have to be ready for anything.

The Better Mom Packt Publishing Ltd

Examining the potential benefits and risks of using artificial intelligence to advance global sustainability. Drones with night vision are tracking elephant and rhino poachers in African wildlife parks and sanctuaries; smart submersibles are saving coral from carnivorous starfish on Australia's Great Barrier Reef; recycled cell phones alert Brazilian forest rangers to the sound of illegal logging. The tools of artificial intelligence are being increasingly deployed in the battle for global sustainability. And yet, warns Peter Dauvergne, we should be cautious in declaring AI the planet's savior. In *AI in the Wild*, Dauvergne avoids the AI industry-powered hype and offers a critical view, exploring both the potential benefits and risks of using artificial intelligence to advance global sustainability. Dauvergne finds that corporations and states often use AI in ways that are antithetical to sustainability. The competition to profit from AI is entrenching technocratic management, revving up resource extraction, and turbocharging consumption, as consumers buy new smart devices (and discard their old, less-smart ones). Smart technology is helping farmers grow crops more efficiently, but also empowering the agrifood industry. Moreover, states are weaponizing AI to control citizens, suppress dissent, and aim cyberattacks at rival states. Is there a way to harness the power of AI for environmental and social good? Dauvergne argues for precaution and humility as guiding principles in the deployment of AI.

Advances in Communication of Design Springer

Elvy explores the consumer ramifications of the Internet of Things through the lens of the commercial law of privacy and security.

My Smart Home for Seniors Pearson Education

Readers learn about the most popular wireless data communications technologies in use today as *GUIDE TO WIRELESS COMMUNICATIONS, 4Ed* examines Bluetooth, ZigBee, Wi-Fi, cellular and satellite communications while providing a broad industry perspective. Readers develop a solid base of knowledge in Wireless Personal Area Networks (WPANs), Wireless Local Area Networks (WLANS), Wireless Metropolitan Area Networks (WMANs), and Wireless Wide Area Networks (WWANs) to better understand the most popular wireless communications available today. This book's comprehensive approach to wireless communication technology provides the solid background readers need to prepare for a future career in today's information and communications technology field. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Architecture and the Smart City The Rosen Publishing Group, Inc

This book showcases new and innovative approaches to biometric data capture and analysis, focusing especially on those that are characterized by non-intrusiveness, reliable prediction algorithms, and high user acceptance. It comprises the peer-reviewed papers from the international workshop on the subject that was held in Ancona, Italy, in October 2014 and featured sessions on ICT for health care, biometric data in automotive and home applications, embedded systems for biometric data analysis, biometric data analysis: EMG and ECG, and ICT for gait analysis. The background to the book is the challenge posed by the prevention and treatment of common, widespread chronic diseases in modern, aging societies. Capture of biometric data is a cornerstone for any analysis and treatment strategy. The latest advances in sensor technology allow accurate data measurement in a non-intrusive way, and in many cases it is necessary to provide online monitoring and real-time data capturing to support a patient's prevention plans or to allow medical professionals to access the patient's current status. This book will be of value to all with an interest in this expanding field.

11th International Conference on Theory and Application of Soft Computing, Computing with Words and Perceptions and Artificial Intelligence - ICSCCW-2021 Springer Nature

This book bridges the fields of Supply Chain Management, Digital Transformation, and Dynamic Quality models in order to illustrate how digital transformation affects the work of researchers and managers in Supply Chain Quality problems. It aims to address the gap in scholarship regarding new technologies, updating the established literature to reimagine theoretical models, dynamic games, knowledge management, supply chain coordination solutions, interfaces in circular economies, and other functional spaces for a digital era. Written for researchers, managers, and practitioners, this book offers an accessible approach to the topics through clear, management-oriented chapters, reserving mathematical background for the Appendices. It discusses an array of modern challenges in digitization, including smart device installation, Cloud data accessibility, applications of AI systems, Supply Chain monitoring via Blockchains, using sensors in operations, and digital tool integration within traditional IS frameworks.

AI in the Wild Springer Nature

My Smart Home for Seniors Que Publishing

Digitalization and Resource Management John Wiley & Sons

This book presents an in-depth study to show that a sustainable future urban life is possible. To build a safer and more sustainable future, as humankind, we would like to use more renewable energy, increase energy efficiency, reduce our carbon and water footprints in all economic sectors. The increasing population and humans' ever-increasing demand for consumption pose another question whether the world's resources are sufficient

for present and future generations. Fair access to water, energy, and food is the objective for all. In line with the United Nations Sustainable Development Goals, scientists, researchers, engineers, and policymakers worldwide are working hard to achieve these objectives. To answer all these challenges, we would like to introduce the core of Smart Cities of the future, the building block of the future's urban life: Open Digital Innovation Hub (ODIH). ODIH will serve as the 'Home of the Future', a fully digitalised and smart, self-sustaining building that answers all the motivation we highlight here. In ODIH, we introduce a living space that produces its water, energy, and food by minimising carbon and water footprints thanks to the Internet of Things, Artificial Intelligence, and Blockchain technologies. It will also serve as an open innovation environment for start-ups and entrepreneurs who wish to integrate their solutions into the infrastructure of ODIH and test those in real-time. We believe this will be a true open innovation test-bed for new business models.

Innovation and Strategy Fox Chapel Publishing

Winner, Bronze Award, APEX 2018 and 2018 INDIES Book of the Year Honorable Mention/Health This full-color introduction to the smart home has been written from the ground up with one audience in mind: seniors. No ordinary "beginner's book," *My Smart Home for Seniors* approaches every topic from a 50+ person's point of view, using meaningful, realistic examples. Full-color, step-by-step tasks—in legible print—walk you through making your home safer and easier to live in using smart technology. Learn how to: • Control your home's lighting with smart bulbs and switches • Make your home more secure with smart doorbells, door locks, and security cameras • Automatically control your home's temperature with a smart thermostat • Make cooking and cleaning easier with smart appliances • Use voice commands or your smart phone to control your smart devices • Use If This Then That (IFTTT) to make your smart devices interact with each other automatically • Get smart about the security and privacy concerns of smart devices • Set up your smart devices and get them to work with one another • Compare and select the best smart hub for your smart home needs • Learn to use Amazon Alexa™, Google Home™ and other voice-activated devices, as well as Apple's HomeKit™ on the iPhone, to make your smart devices work together

Best-Selling House Plans, 4th Edition Routledge

Imagine you arrive at school and realize you forgot to feed the dog. No problem. Pull out your phone and command the dog dish to dispense a serving of food. That's all there is to it - if you live a smart home. What once sounded like science fiction is now a reality for some families. People use smart phones and other devices to lock doors, turn on lights, close window shades, and check to see how much milk they have in the fridge. Find out how this technology works and what the future holds for smart homes.

Design Cybernetics Cengage Learning

"Brilliant and original . . . From slow feasts to fast food, Linford shows that, no matter what we are cooking, time is of the essence." —Bee Wilson, *The Sunday Times* *The Missing Ingredient* is the first book to consider the intrinsic yet often forgotten role of time in creating the flavors and textures we love. Through a series of encounters with ingredients, producers, cooks, artisans, and chefs, acclaimed author of *The Chef's Library* Jenny Linford shows how, time and again, time itself is the invisible ingredient in our most cherished recipes. Playfully structured through different periods of time, the book examines the fast and slow, from the seconds it takes for sugar to caramelize to the centuries it takes for food heritage to be passed down from our ancestors. From the brevity of blanching and the days required in the crucial process of fermentation, to the months of slow ripening that make a great cheddar and the years needed for certain wines to reach their peak, Linford dissects each segment of time needed to cook—and enjoy—simple and intricate cuisine alike. Including vignettes from the immediacy of taste (seconds), the exactitude of pasta (minutes), and smoking and barbecuing meats (hours), to maturing cheese (weeks), infusing vanilla extract (months), and perfecting parmigiana and port (years), *The Missing Ingredient* is an enlightening and essential volume for foodies, bakers, home cooks, chefs, and anyone who appreciates a perfectly-executed dish. "Something quite remarkable: a treatise on the single most vital and most overlooked element of food and cooking that's as page-turning as a thriller. A glorious, essential addition to every food lover's book shelves." —Marina O'Loughlin, restaurant critic

Retail's Seismic Shift My Smart Home for Seniors

Trends in Personalized Nutrition explores the topic of personalized nutrition from multiple angles, addressing everything from consumer acceptance, to policies and cognitive dissonance. Sections in the book cover epigenetics, nutrigenomics, predicting glycemic response, and metabolomics and the role of bacteria. In addition, the book explores diet, obesity and personalized nutrition for athletes, women, and infants and children, along with a section on the role of modern technology in the promotion of personalized nutrition. Nutritionists, food technologists, food chemists, new product developers, academics, and researchers and physicians working in the field of nutrition will find this to be a great reference. Addresses consumer acceptance, policies and cognitive dissonance in nutrition Discusses epigenetics, nutrigenomics, how to predict glycemic response, and metabolomics and the role of bacteria Explores diet and obesity Considers personalized nutrition for athletes, women, infants and children Contemplates the role of modern technology in personalized nutrition

The Curious Role of Time in Food and Flavor Kogan Page Publishers

This book explores software's pivotal role as the code that powers computers, mobile devices, the Internet, and social media. Creating conditions for the ongoing development and use of software, including the Internet as a communications infrastructure, is one of the most compelling issues of our time. Free software is based upon open source code, developed in peer communities as well as corporate settings, challenging the dominance of proprietary software firms and promoting the digital commons. Drawing upon key cases and interviews with free software proponents based in Europe, Brazil and the U.S., the book explores pathways toward creating the digital commons and examines contemporary political struggles over free software, privacy and civil liberties on the Internet that are vital for the commons' continued development.

Free Software, the Internet, and Global Communities of Resistance Pearson IT Certification

Discover and implement a system of your choice using Bluetooth Low Energy. About This Book Learn the basics of Bluetooth Low Energy with its exciting new protocol stack and security. Build customized Bluetooth Low Energy projects that make your web or mobile apps smarter in terms of networking and communications. Using Android, iOS, and the Web, acquire key skills to harness the power of Bluetooth Low Energy in your IoT applications. Who This Book Is For The book is for developers and enthusiasts who are passionate about learning Bluetooth Low Energy technologies

and want to add new features and services to their new or existing products. They should be familiar with programming languages such as Swift, Java, and JavaScript. Knowledge of debugging skills would be an advantage. What You Will Learn Bluetooth Low Energy in theory. Bluetooth Low Energy Hardware and Software Development Kits. Implement Bluetooth low energy communication (central and peripheral) using Android. Master BLE Beacons with examples implemented over Eddystone and iBeacons. Implement indoor navigation using Estimote Beacons on iOS. Implement Internet gateways to control BLE devices on a Wi-Fi network. Understand BLE security mechanisms with a special focus on Bluetooth pairing, bonding, and key exchange to cover encryption, privacy, and user data integrity. Implement Bluetooth Mesh using CSRMESH Technology. In Detail Bluetooth Low Energy (BLE) is a Wireless Personal Area network technology aimed at novel applications for smart devices. High-tech BLE profiles and services are being increasingly used by application developers and hardware enthusiasts to allow devices to interact with the surrounding world. This book will focus on a technical introduction to BLE and how it is reshaping small-distance communication. We will start with IoT, where many technologies such as BLE, Zigbee, and IEEE 802.15.4 Mesh will be introduced. The book will present BLE from an engineering perspective, from which the protocol stack, architecture, and layers are discussed. You will learn to implement customized projects for Peripheral/Central communication, BLE Beacons, indoor navigation using triangulation, and the Internet gateway for Bluetooth Low Energy Personal Network, all using various code samples and APIs on Android, iOS, and the Web. Finally, the book will conclude with a glimpse into future technologies destined to be prominent in years to come. Style and approach The book is a practical tutorial that will help you understand the background and technicalities of BLE and offers a friendly environment to build and create robust BLE projects. This hands-on approach will give you a clear vision of Bluetooth Low Energy and how it can be used in IoT.

The Home of the Future Zondervan

A compelling argument that the Internet of things threatens human rights and security "Sobering and important."--Financial Times, "Best Books of 2020: Technology" The Internet has leapt from human-facing display screens into the material objects all around us. In this so-called Internet of things--connecting everything from cars to cardiac monitors to home appliances--there is no longer a meaningful distinction between physical and virtual worlds. Everything is connected. The social and economic benefits are tremendous, but there is a downside: an outage in cyberspace can result not only in loss of communication but also potentially in loss of life. Control of this infrastructure has become a proxy for political power, since countries can easily reach across borders to disrupt real-world systems. Laura DeNardis argues that the diffusion of the Internet into the physical world radically escalates governance concerns around privacy, discrimination, human safety, democracy, and national security, and she offers new cyber-policy solutions. In her discussion, she makes visible the sinews of power already embedded in our technology and explores how hidden technical governance arrangements will become the constitution of our future.

Fridge Love Capstone Press

We have never lived at a time of faster and more transformative technological and societal changes. It can be hard for executives to keep up with the developments and shifts. This book cuts through all of the hype and presents the key business trends anyone should be aware of now as they will shape businesses into the foreseeable future. Business Trends in Practice includes case studies across all industries, with companies such as: Tesla, Ocado, Netflix, Microsoft, Google, Alibaba, Rolls Royce, Mercedes Benz, Apple, and many more. Some of the key trends the author will examine include: The AI revolution Robots and business processes automation Remote working, working from home and new flexibility Social & environmental Responsibility Increased Diversity As part of Bernard Marr's popular 'In Practice' series, Business Trends in Practice will help you identify the key business trends that will keep you one step ahead of the competition.

The Internet of Things for Education Springer Nature

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for CompTIA IT Fundamentals FC0-U61 exam success with this CompTIA Cert Guide from Pearson IT Certification, a leader in IT Certification learning. Master CompTIA IT Fundamentals FC0-U61 exam topics Assess your knowledge with practice questions Review key concepts with exam preparation tasks Practice with realistic exam questions Get practical guidance for next steps and more advanced certifications CompTIA IT Fundamentals Cert Guide is a best-of-breed exam study guide. Leading IT certification expert Mark Edward Soper shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this CompTIA study guide helps you master the concepts and techniques that will allow you to succeed on the exam the first time. The CompTIA study guide helps you master all the topics on the IT Fundamentals exam, including: IT concepts and terminology, including data types, input, processing, output, storage, the value of data and information, and basic troubleshooting methods Infrastructure, including I/O hardware, peripheral setup/installation, internal computer components, Internet service types, storage types, computing devices, and networking Applications and software, including software management, operating system components, software types and uses, application architecture and delivery models, web browser configuration, application concepts, and best practices Software development concepts, including types of programming languages, programming organization techniques and logic, and basic programming concepts Database concepts, purposes, structures, and interfaces Security issues, including confidentiality, integrity, and availability; device security; behavioral security; authentication and authorization; password best practices; encryption; and business continuity concepts