The Silent Intelligence The Internet Of Things

This extraordinary book explains the engine that has catapulted the Internet from backwater to ubiquity—and reveals that it is sputtering precisely because of its runaway success. With the unwitting help of its users, the generative Internet is on a path to a lockdown, ending its cycle of innovation—and facilitating unsettling new kinds of control. IPods, iPhones, Xboxes, and TiVos represent the first wave of Internet-centered products that can't be easily modified by anyone except their vendors or selected partners. These “tethered appliances” have already been used in remarkable but little-known ways: car GPS systems have been reconfigured at the demand of law enforcement to eavesdrop on the occupants at all times, and digital video recorders have been ordered to self-destruct thanks to a lawsuit against the manufacturer thousands of miles away. New Web 2.0 platforms like Google mash-ups and Facebook are rightly touted—but their applications can be similarly monitored and eliminated from a central source. As tethered appliances and applications eclipse the PC, the very nature of the Internet—its “generativity,” or innovative character—is at risk. The Internet's current trajectory is one of lost opportunity. Its salvation, Zittrain argues, lies in the hands of its millions of users. Drawing on generative technologies like Wikipedia that have so far survived their own successes, this book shows how to develop new technologies and social structures that allow users to work creatively and collaboratively, participate in solutions, and become true “netizens.”

Through algorithms and artificial intelligence (AI), objects and digital services now demonstrate new skills they did not have before, right up to replacing human activity through pre-programming or by making their own decisions. As part of the internet of things, AI applications are already widely used today, for example in language processing, image recognition and the tracking and processing of data. This policy brief illustrates the potential negative and positive impacts of AI and reviews related policy strategies adopted by the UK, US, EU, as well as Canada and China. Based on an ethical approach that considers the role of AI from a democratic perspective and considering the public interest, the authors make policy recommendations that help to strengthen the positive impact of AI and to mitigate its negative consequences.

The Anarchist Cookbook will shock, it will disturb, it will provoke. It places in historical perspective an era when "Turn on, Burn down, Blow up" are revolutionary slogans of the day. Says the author" "This book... is not written for the members of fringe political groups, such as the Weatherman, or The Minutemen. Those radical groups don't need this book. They already know everything that's in here. If the real people of America, the silent majority, are going to survive, they must educate themselves. That is the purpose of this book." In what the author considers a survival guide, there is explicit information on the uses and effects of drugs, ranging from pot to heroin to peanuts. There i detailed advice concerning electronics, sabotage, and surveillance, with data on everything from bugs to scramblers. There is a comprehensive chapter on natural, non-lethal, and lethal weapons, running the gamut from cattle prods to sub-machine guns to bows and arrows.

This book covers all the emerging trends in artificial intelligence (AI) and the Internet of Things (IoT). The Internet of Things is a term that has been introduced in recent years to define devices that are able to connect and transfer data to other devices via the Internet. While IoT and sensors have the ability to harness large volumes of data, AI can learn patterns in the data and quickly extract insights in order to automate tasks for a variety of business benefits. Machine learning, an AI technology, brings the ability to automatically identify patterns and detect anomalies in the data that smart sensors and devices generate, and it can have significant advantages over traditional business intelligence tools for analyzing IoT data, including being able to make operational predictions up to 20 times earlier and with greater accuracy than threshold-based monitoring systems. Further, other AI technologies, such as speech recognition and computer vision can help extract insights from data that used to require human review. The powerful combination of AI and IoT technology is helping to avoid unplanned downtime, increase operating efficiency, enable new products and services, and enhance risk management.

In Digital Data Collection and Information Privacy Law, Mark Burdon argues for the reformulation of information privacy law to regulate new power consequences of ubiquitous data collection. Examining developing business models, based on collections of sensor data - with a focus on the 'smart home' - Burdon demonstrates the challenges that are arising for information privacy's control-model and its application of principled protections of personal information exchange. By reformulating information privacy's primary role of individual control as an interrupter of modulated power, Burdon provides a foundation for future law reform and calls for stronger information privacy law protections. This book should be read by anyone interested in the role of privacy in a world of ubiquitous and pervasive data collection.

A thoroughly updated revision of the first comprehensive overview of intelligence designed for both the student and the general reader, Silent Warfare is an insider's guide to a shadowy, often misunderstood world. Leading intelligence scholars Abram N. Shulsky and Gary J. Schmitt clearly explain such topics as the principles of collection, analysis, counterintelligence, and covert action, and their interrelationship with policymakers and democratic values. This new edition takes account of the expanding literature in the field of intelligence and deals with the consequences for intelligence of vast recent changes in telecommunication and computer technology the new "information age." It also reflects the world's strategic changes since the end of the Cold War. This landmark book provides a valuable framework for understanding today's headlines, as well as the many developments likely to come in the real world of the spy.

Internet of Things emphasizes on the efficient use of internet and wireless network for connecting devices in day to day life. It gives a step-by-step explanation of the connecting interface of hardware with software. This classic text is a vital study guide for the students to master their IoT skills. Salient Features: - Core concepts of hardware and software for Internet of Things - Coverage of latest concepts like RaspberyPi, Arduino - Coverage of Security and threats in IoT scenarios. - Step by step pro typing and designing of IoT Applications

We called this book The Silent Intelligence because most of the activity and growth in the space has so far been happening outside of mainstream visibility. We hope that our book will help executives, entrepreneurs, investors and everybody else better understand the opportunities and challenges of the Internet of Things and will get them as excited about the upcoming possibilities as we are."--pub. desc.

A guided tour through the Internet of Things, a networked world of connected devices, objects, and people that is changing the way we live and work. We turn on the lights in our house from a desk in an office miles away. Our refrigerator alerts us to buy milk on the way home. A package of cookies on the supermarket shelf suggests that we buy

it, based on past purchases. The cookies themselves are on the shelf because of a “smart” supply chain. When we get home, the thermostat has already adjusted the temperature so that it's toasty or bracing, whichever we prefer. This is the Internet of Things—a networked world of connected devices, objects, and people. In this book, Samuel Greengard offers a guided tour through this emerging world and how it will change the way we live and work. Greengard explains that the Internet of Things (IoT) is still in its early stages. Smart phones, cloud computing, RFID (radio-frequency identification) technology, sensors, and miniaturization are converging to make possible a new generation of embedded and immersive technology. Greengard traces the origins of the IoT from the early days of personal computers and the Internet and examines how it creates the conceptual and practical framework for a connected world. He explores the industrial Internet and machine-to-machine communication, the basis for smart manufacturing and end-to-end supply chain visibility; the growing array of smart consumer devices and services—from Fitbit fitness wristbands to mobile apps for banking; the practical and technical challenges of building the IoT; and the risks of a connected world, including a widening digital divide and threats to privacy and security. Finally, he considers the long-term impact of the IoT on society, narrating an eye-opening “Day in the Life” of IoT connections circa 2025.

The Internet gives us information, communication options, shopping opportunities, entertainment, and much more—all at the touch of a fingertip and much of it for free. But in exchange for these benefits, we may be losing a basic right: the right to privacy. By clicking to accept website user agreements, we often allow companies to track our activities online and to share our data with outside groups. In addition, the police and government agencies can also track people online—and this tracking is sometimes done secretly, without user agreements or search warrants. Privacy laws and the US Constitution are supposed to protect privacy in the United States, as are laws and conventions in other parts of the world. But judicial and legal systems have not kept pace with technology. And until laws catch up, users enter a legal gray area when they communicate digitally—an arena in which their most private conversations might not be protected from intrusion. Such intrusion can be dangerous: government agencies can use information obtained via digital spying to harass, arrest, or imprison citizens. Other groups can use private digital data to discriminate in banking, housing, and other businesses. Around the world, critics are sounding the alarm about digital privacy. Many have called for stricter controls on data tracking. What rights do you have when it comes to privacy online? How can you be a smart cyber citizen and protect your personal digital data? These questions are at the heart of the Internet privacy debate.

Industry 4.0 is based on the cyber-physical transformation of processes, systems and methods applied in the manufacturing sector, and on its autonomous and decentralized operation. Industry 4.0 reflects that the industrial world is at the beginning of the so-called Fourth Industrial Revolution, characterized by a massive interconnection of assets and the integration of human operators with the manufacturing environment. In this regard, data analytics and, specifically, the artificial intelligence is the vehicular technology towards the next generation of smart factories.Chapters in this book cover a diversity of current and new developments in the use of artificial intelligence on the industrial sector seen from the fourth industrial revolution point of view, namely, cyber-physical applications, artificial intelligence technologies and tools, Industrial Internet of Things and data analytics. This book contains high-quality chapters containing original research results and literature review of exceptional merit. Thus, it is in the aim of the book to contribute to the literature of the topic in this regard and let the readers know current and new trends in the use of artificial intelligence for the Industry 4.0.

One of the world’s leading scientists explains why—and how—the search for intelligent life beyond Earth should be expanded. Fifty years ago, a young astronomer named Frank Drake first pointed a radio telescope at nearby stars in the hope of picking up a signal from an alien civilization. Thus began one of the boldest scientific projects in history, the Search for Extraterrestrial Intelligence (SETI). After a half-century of scanning the skies, however, astronomers have little to report but an eerie silence—eerie because many scientists are convinced that the universe is teeming with life. Physicist and astrobiologist Paul Davies has been closely involved with SETI for three decades and chairs the SETI Post-Detection Taskgroup, charged with deciding what to do if we’re suddenly confronted with evidence of alien intelligence. He believes the search so far has fallen into an anthropocentric trap—assuming that an alien species will look, think, and behave much like us. In this provocative book Davies refocuses the search, challenging existing ideas of what form an alien intelligence might take, how it might try to communicate with us, and how we should respond if it does.

Politics in the Twentieth Century was dominated by a single question: how much of our collective life should be determined by the state, and what should be left to the market and civil society? Now the debate is different: to what extent should our lives be directed and controlled by powerful digital systems - and on what terms? Digital technologies - from artificial intelligence to blockchain, from robotics to virtual reality - are transforming the way we live together. Those who control the most powerful technologies are increasingly able to control the rest of us. As time goes on, these powerful entities - usually big tech firms and the state - will set the limits of our liberty, decreeing what may be done and what is forbidden. Their algorithms will determine vital questions of social justice. In their hands, democracy will flourish or decay. A landmark work of political theory, Future Politics challenges readers to rethink what it means to be free or equal, what it means to have power or property, and what it means for a political system to be just or democratic. In a time of rapid and relentless changes, it is a book about how we can - and must - regain control. Winner of the Estoril Global Issues Distinguished Book Prize.

This monograph book is focused on the recent advances in smart, multimedia and computer gaming technologies. The Contributions include: ·Smart Gamification and Smart Serious Games. ·Fusion of secure IPsec-based Virtual Private Network, mobile computing and rich multimedia technology. ·Teaching and Promoting Smart Internet of Things Solutions Using the Serious-game Approach. ·Evaluation of Student Knowledge using an e-Learning Framework. ·The iTEC Eduteka. ·3D Virtual Worlds as a Fusion of Immersing, Visualizing, Recording, and Replaying Technologies. ·Fusion of

multimedia and mobile technology in audio guides for Museums and Exhibitions: from Bluetooth Push to Web Pull. The book is directed to researchers, students and software developers working in the areas of education and information technologies.

From FSGO x Logic: a revealing examination of digital advertising and the internet's precarious foundation In Subprime Attention Crisis, Tim Hwang investigates the way big tech financializes attention. In the process, he shows us how digital advertising—the beating heart of the internet—is at risk of collapsing, and that its potential demise bears an uncanny resemblance to the housing crisis of 2008. From the unreliability of advertising numbers and the unregulated automation of advertising bidding wars, to the simple fact that online ads mostly fail to work, Hwang demonstrates that while consumers' attention has never been more prized, the true value of that attention itself—much like subprime mortgages—is wildly misrepresented. And if online advertising goes belly-up, the internet—and its free services—will suddenly be accessible only to those who can afford it. Deeply researched, convincing, and alarming, Subprime Attention Crisis will change the way you look at the internet, and its precarious future. FSG Originals × Logic dissects the way technology functions in everyday lives. The titans of Silicon Valley, for all their utopian imaginings, never really had our best interests at heart: recent threats to democracy, truth, privacy, and safety, as a result of tech's reckless pursuit of progress, have shown as much. We present an alternate story, one that delights in capturing technology in all its contradictions and innovation, across borders and socioeconomic divisions, from history through the future, beyond platitudes and PR hype, and past doom and gloom. Our collaboration features four brief but provocative forays into the tech industry's many worlds, and aspires to incite fresh conversations about technology focused on nuanced and accessible explorations of the emerging tools that reorganize and redefine life today.

A revelatory and timely look at how technology boosts our cognitive abilities—making us smarter, more productive, and more creative than ever It's undeniable—technology is changing the way we think. But is it for the better? Amid a chorus of doomsayers, Clive Thompson delivers a resounding "yes." In Smarter Than You Think, Thompson shows that every technological innovation—from the written word to the printing press to the telegraph—has provoked the very same anxieties that plague us today. We panic that life will never be the same, that our attentions are eroding, that culture is being trivialized. But, as in the past, we adapt—learning to use the new and retaining what is good of the old. Smarter Than You Think embraces and extols this transformation, presenting an exciting vision of the present and the future.

"This book will be riveting reading for security professionals and students, as well as technophiles interested in learning about how computer security fits into the big picture and high-level hackers seeking to broaden their understanding of their craft."--BOOK JACKET.

A computer with human-like qualities of artificial intelligence develops criminal obsessions and takes over the completely automated home of Susan Harris

From the bestselling author of The Dark Net comes a book that explains all the dangers of the digital revolution and offers concrete solutions on how we can protect our personal privacy, and democracy itself. The internet was meant to set us free. But have we unwittingly handed too much away to shadowy powers behind a wall of code, all manipulated by a handful of Silicon Valley utopians, ad men, and venture capitalists? And, in light of recent data breach scandals around companies like Facebook and Cambridge Analytica, what does that mean for democracy, our delicately balanced system of government that was created long before big data, total information, and artificial intelligence? In this urgent polemic, Jamie Bartlett argues that through our unquestioning embrace of big tech, the building blocks of democracy are slowly being removed. The middle class is being eroded, sovereign authority and civil society is weakened, and we citizens are losing our critical faculties, maybe even our free will. The People Vs Tech is an enthralling account of how our fragile political system is being threatened by the digital revolution. Bartlett explains that by upholding six key pillars of democracy, we can save it before it is too late. We need to become active citizens, uphold a shared democratic culture, protect free elections, promote equality, safeguard competitive and civic freedoms, and trust in a sovereign authority. This essential book shows that the stakes couldn't be higher and that, unless we radically alter our course, democracy will join feudalism, supreme monarchies and communism as just another political experiment that quietly disappeared.

Now with a new introduction for the Tor Essentials line, A Fire Upon the Deep is sure to bring a new generation of SF fans to Vinge's award-winning works. A Hugo Award-winning Novel! "Vinge is one of the best visionary writers of SF today."-David Brin Thousands of years in the future, humanity is no longer alone in a universe where a mind's potential is determined by its location in space, from superintelligent entities in the Transcend, to the limited minds of the Unthinking Depths, where only simple creatures, and technology, can function. Nobody knows what strange force partitioned space into these "regions of thought," but when the warring Straumli realm use an ancient Transcendent artifact as a weapon, they unwittingly unleash an awesome power that destroys thousands of worlds and enslaves all natural and artificial intelligence. Fleeing this galactic threat, Ravna crash lands on a strange world with a ship-hold full of cryogenically frozen children, the only survivors from a destroyed space-lab. They are taken captive by the Tines, an alien race with a harsh medieval culture, and used as pawns in a ruthless power struggle. Tor books by Vernor Vinge Zones of Thought Series A Fire Upon The Deep A Deepness In The Sky The Children of The Sky Realtime/Bobble Series The Peace War Marooned in Realtime Other Novels The Witling Tatja Grimm's World Rainbows End Collections Collected Stories of Vernor Vinge True Names At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

The human brain has some capabilities that the brains of other animals lack. It is to these distinctive capabilities that our species owes its dominant position. Other animals have stronger muscles or sharper claws, but we have cleverer brains. If machine brains one day come to surpass human brains in general intelligence, then this new superintelligence could become very powerful. As the fate of the gorillas now depends more on us humans than on the gorillas themselves, so the fate of our species then would come to depend on the actions of the machine superintelligence. But we have one advantage: we get to make the first move. Will it be possible to construct a seed AI or otherwise to engineer initial conditions so as to make an intelligence explosion survivable? How could one achieve a controlled detonation? To get closer to an answer to this question, we must make our way through a fascinating landscape of topics and considerations. Read the book and learn about oracles, genies, singletons; about boxing

methods, tripwires, and mind crime; about humanity's cosmic endowment and differential technological development; indirect normativity, instrumental convergence, whole brain emulation and technology couplings; Malthusian economics and dystopian evolution; artificial intelligence, and biological cognitive enhancement, and collective intelligence.

We all see what the internet does and increasingly don't like it, but do we know how and more importantly who makes it work that way? That's where the real power lays... The internet was supposed to be a thing of revolutions. As that dream curdles, there is no shortage of villains to blame--from tech giants to Russian bot farms. But what if the problem is not an issue of bad actors ruining a good thing? What if the hazards of the internet are built into the system itself? That's what journalist James Ball argues as he takes us to the root of the problem, from the very establishment of the internet's earliest protocols to the cables that wire it together. He shows us how the seemingly abstract and pervasive phenomenon is built on a very real set of materials and rules that are owned, financed, designed and regulated by very real people. In this urgent and necessary book, Ball reveals that the internet is not a neutral force but a massive infrastructure that reflects the society that created it. And making it work for--and not against--us must be an endeavor of the people as well.

“New Dark Age is among the most unsettling and illuminating books I’ve read about the Internet, which is to say that it is among the most unsettling and illuminating books I’ve read about contemporary life.” – New Yorker As the world around us increases in technological complexity, our understanding of it diminishes. Underlying this trend is a single idea: the belief that our existence is understandable through computation, and more data is enough to help us build a better world. In reality, we are lost in a sea of information, increasingly divided by fundamentalism, simplistic narratives, conspiracy theories, and post-factual politics. Meanwhile, those in power use our lack of understanding to further their own interests. Despite the apparent accessibility of information, we’re living in a new Dark Age. From rogue financial systems to shopping algorithms, from artificial intelligence to state secrecy, we no longer understand how our world is governed or presented to us. The media is filled with unverifiable speculation, much of it generated by anonymous software, while companies dominate their employees through surveillance and the threat of automation. In his brilliant new work, leading artist and writer James Bridle surveys the history of art, technology, and information systems, and reveals the dark clouds that gather over our dreams of the digital sublime.

Cordosa, a small village in Brazil's most southern state of Rio Grande do Sul, is experiencing traumatic illness and loss of life from unknown causes. The population of landless farmers is slowly deteriorating. Jake Parker, ex U.S. Army Intelligence Officer, is assigned as a photojournalist to investigate the possible causes. What he soon discovers is that he will be watched, manipulated and harassed by high ranking United States government officials who will stop at nothing to gain revenge within their own ranks. With lives hanging in the balance, Jake finds himself in the middle of an undetected world of spiritual warfare and a congressional war filled with greed and corruption. As a beautiful young Deaf woman stumbles into the scandal, the hunt begins, and Jake Parker must figure out how to save her life as well as his own.

Artificial intelligence (AI) is a field within computer science that is attempting to build enhanced intelligence into computer systems. This book traces the history of the subject, from the early dreams of eighteenth-century (and earlier) pioneers to the more successful work of today's AI engineers. AI is becoming more and more a part of everyone's life. The technology is already embedded in face-recognizing cameras, speech-recognition software, Internet search engines, and health-care robots, among other applications. The book's many diagrams and easy-to-understand descriptions of AI programs will help the casual reader gain an understanding of how these and other AI systems actually work. Its thorough (but unobtrusive) end-of-chapter notes containing citations to important source materials will be of great use to AI scholars and researchers. This book promises to be the definitive history of a field that has captivated the imaginations of scientists, philosophers, and writers for centuries.

Management in the Age of Digital Business Complexity focuses on how the digital age is changing management and vastly speeding up complexity dynamics. The recent coevolution of technologies has dramatically changed in just a few years how people and firms learn, communicate, and behave. Consequently, the process of how firms coevolve and the speed at which they coevolve has been dramatically changed in the digital age, and managerial methods are lagging way behind. Combining his own expertise with that of a number of specialist and international co-authors, McKelvey conveys how companies that fall behind digitally can quickly be driven out of business. The book has been created for academics seeking to upgrade management thinking into the modern digital age and vastly improve the change capabilities of firms facing digital-oriented competition. To survive in the new, competitive digital economy of artificial intelligence and the Internet of Things, companies will have to change their management models. The company of linear, incremental growth is becoming obsolete. Moonshot leaders like Elon Musk or Jeff Bezos aspire to bringing about massive transformations. These visionaries seek radical solutions to big problems through enabling technologies that are easily scalable and yield increasing returns with decreasing marginal costs that in many cases approach zero. In his book Journey of the Future Enterprise, Jorge Calvo explains what the disruptive change of the Fourth Industrial Revolution consists of, what moonshot leadership is and what exponential organizations (ExOs) are, and having set out the conceptual framework, explains how to gear companies toward the new economy. In short, this resource-packed book is written for those who want to be part of this change, for those who are suffering the impact of this radical transformation, for those who feel lost as a result of the complexity and speed of the changes that are taking place, and for those who want to better understand the drivers of the Fourth Industrial Revolution.

The Silent IntelligenceThe Internet of ThingsDnd Ventures LLC

The interconnectivity of appliances, everyday objects, and people to the Web is called the “Internet of Things.” Electric cars are being made smart and fast with software updates that are pushed to them wirelessly. Electrical outlets can be tuned off from anywhere in the world, and people can even track the amount of energy the plugs are using by looking at a cell phone. This insightful volume describes some of these intriguing state-of-the-art devices, including tracking devices to monitor endangered animals or help find lost pets and sensors in water treatment facilities that can help control a city’s water supply.

The internet of things (IoT) has the potential to change how we live and work. It represents the next evolution of the computing revolution and will see the embedding of information and communication technologies within machines at home and in the workplace and across a broad range of industrial processes. The effect will be a radical restructuring of industries and business models driven by massive flows of data providing new insights into how the man-made and natural worlds work. The Internet of Things & Business explores the business models emerging from the IoT and considers the challenges as well as the opportunities they pose to businesses around the world. Via real examples and a range of international case studies, the reader will develop an understanding of how this technology revolution will impact on the business world as well as on broader society.

'Boldly reactionary... What looks like feast, Carr argues, may be closer to famine' Sunday Times 'Chilling' The Economist In this ground-breaking and compelling book, Nicholas Carr argues that not since Gutenberg invented printing has humanity been exposed to such a mind-altering technology. The Shallows draws on the latest research to show that the Net is literally re-wiring our brains inducing only superficial understanding. As a consequence there are profound changes in the way we live and communicate, remember and socialise - even in our very conception of ourselves. By moving from the depths of thought to the shallows of distraction, the web, it seems, is actually fostering ignorance. The Shallows is not a manifesto for luddites, nor does it seek to turn back the clock. Rather it is a revelatory reminder of how far the Internet has become enmeshed in our daily existence and is affecting the way we think. This landmark book compels us all to look anew at our dependence on this all-pervasive technology. This 10th-anniversary edition includes a new afterword that brings the story up to date, with a deep examination of the cognitive and behavioural effects of smartphones and social media.

In Zero Comments, internationally renowned media theorist and 'net critic' Geert Lovink revitalizes worn out concepts about the Internet and interrogates the latest hype surrounding blogs and social network sites. In this third volume of his studies into critical Internet culture, following the influential Dark Fiber and My First Recession, Lovink develops a 'general theory of blogging.' He unpacks the ways that blogs exhibit a 'nihilist impulse' to empty out established meaning structures. Blogs, Lovink argues, are bringing about the decay of traditional broadcast media, and they are driven by an in-crowd dynamic in which social ranking is a primary concern. The lowest rung of the new Internet hierarchy are those blogs and sites that receive no user feedback or 'zero comments'. Zero Comments also explores other important changes to Internet culture, as well, including the silent globalization of the Net in which the West is no longer the main influence behind new media culture, as countries like India, China and Brazil expand their influence and looks forward to speculate on the Net impact of organized networks, free cooperation and distributed aesthetics.

There's a technological tsunami on the horizon and it's about to shake every business to its core. This digital transformation will be bigger than any before it and will be on a global scale, transforming customer experiences along with their relationships with those they do business with. After the first digital transformations of the Internet and then Mobile, this transformation is even more significant and is being driven by seven major elements of the Internet of Things: Artificial Intelligence, Digital Voice Assistants, Smart Homes, Drones and Robots, Connected Cars, Sensors, and Virtual and Augmented Reality. In this fast-paced and quick-read book, NY Times Business bestselling author Chuck Martin shows what every businessperson needs to know about the transformers, laying out what is actually happening in the market today with well-founded research on where it is heading tomorrow.

This comprehensive record of Krishnamurti's teachings is an excellent, wide-ranging introduction to the great philosopher's thought. With among others, Jacob Needleman, Alain Naude, and Swami Venkatasananda, Krishnamurti examines such issues as the role of the teacher and tradition; the need for awareness of 'cosmic consciousness; the problem of good and evil; and traditional Vedanta methods of help for different levels of seekers.

Digital Industry can provide the framework for examining the challenges of future production technology. This book describes some of the various aspects that can, and may, influence future manufacturing. Computational intelligence techniques, cyber-physical systems, virtual and cloud-based manufacturing and man-machine interaction are studied and some of the most recent research completed by international experts in industry and academia is considered. Case studies provide practical solutions.

Written by a certified Arabic linguist from the Defense Language Institute with extensive background in decoding encrypted communications, this cyber-thriller uses a fictional narrative to provide a fascinating and realistic "insider's look" into technically sophisticated covert terrorist communications over the Internet. The accompanying CD-ROM allows readers to "hack along" with the story line, by viewing the same Web sites described in the book containing encrypted, covert communications. Hacking a Terror NETWORK addresses the technical possibilities of Covert Channels in combination with a very real concern: Terrorism. The fictional story follows the planning of a terrorist plot against the United States where the terrorists use various means of Covert Channels to communicate and hide their trail. Loyal US agents must locate and decode these terrorist plots before innocent American citizens are harmed. The technology covered in the book is both real and thought provoking. Readers can realize the threat posed by these technologies by using the information included in the CD-ROM. The fictional websites, transfer logs, and other technical information are given exactly as they would be found in the real world, leaving the reader to test their own ability to decode the terrorist plot. Cyber-Thriller focusing on increasing threat of terrorism throughout the world. Provides a fascinating look at covert forms of communications used by terrorists over the Internet. Accompanying CD-ROM allows users to "hack along" with the fictional narrative within the book to decrypyt.

This book aims at offering a unique collection of ideas and experiences mainly focusing on the main streams and merger of Artificial Intelligence (AI) and the Internet of Things (IoT) for a wide slice of the communication and networking community. In the era when the world is grappling with many unforeseen challenges, scientists and researchers are envisioning smart cyber systems that guarantee sustainable development for a better human life. The main contributors that destined to play a huge role in developing such systems, among others, are AI and IoT. While AI provides intelligence to machines and data by identifying patterns, developing predictions, and detecting anomalies, IoT performs as a nerve system by connecting a huge number of machines and capturing an enormous amount of data. AI-enabled IoT, therefore, redefines the way industries, businesses, and economies function with increased automation and efficiency and reduced human interaction and costs. This book is an attempt to publish innovative ideas, emerging trends, implementation experience, and use-cases pertaining to the merger of AI and IoT. The primary market of this book is centered around students, researchers, academicians, industrialists, entrepreneurs, and professionals working in electrical/computer engineering, IT, telecom/electronic engineering, and related fields. The secondary market of this book is related to individuals working in the fields such as finance, management, mathematics, physics, environment,

mechatronics, and the automation industry.
This book focuses on recent advances in the Internet of Things (IoT) in biomedical and healthcare technologies, presenting theoretical, methodological, well-established, and validated empirical work in these fields. Artificial intelligence and IoT are set to revolutionize all industries, but perhaps none so much as health care. Both biomedicine and machine learning applications are capable of analyzing data stored in national health databases in order to identify potential health problems, complications and effective protocols, and a range of wearable devices for biomedical and healthcare applications far beyond tracking individuals' steps each day has emerged. These prosthetic technologies have made significant strides in recent decades with the advances in materials and development. As a result, more flexible, more mobile chip-enabled prosthetics or other robotic devices are on the horizon. For example, IoT-enabled wireless ECG sensors that reduce healthcare cost, and lead to better quality of life for cardiac patients. This book focuses on three current trends that are likely to have a significant impact on future healthcare: Advanced Medical Imaging and Signal Processing; Biomedical Sensors; and Biotechnological and Healthcare Advances. It also presents new methods of evaluating medical data, and diagnosing diseases in order to improve general quality of life.
Towards Smart World: Homes to Cities Using Internet of Things provides an overview of basic concepts from the rising of machines and communication to IoT for making cities smart, real-time applications domains, related technologies, and their possible solutions for handling relevant challenges. This book highlights the utilization of IoT for making cities smart and its underlying technologies in real-time application areas such as emergency departments, intelligent traffic systems, indoor and outdoor securities, automotive industries, environmental monitoring, business entrepreneurship, facial recognition, and motion-based object detection. Features The book covers the challenging issues related to sensors, detection, and tracking of moving objects, and solutions to handle relevant challenges. It contains the most recent research analysis in the domain of communications, signal processing, and computing sciences for facilitating smart homes, buildings, environmental conditions, and cities. It presents the readers with practical approaches and future direction for using IoT in smart cities and discusses how it deals with human dynamics, the ecosystem, and social objects and their relation. It describes the latest technological advances in IoT and visual surveillance with their implementations. This book is an ideal resource for IT professionals, researchers, undergraduate or postgraduate students, practitioners, and technology developers who are interested in gaining deeper knowledge and implementing IoT for smart cities, real-time applications areas, and technologies, and a possible set of solutions to handle relevant challenges. Dr. Lavanya Sharma is an Assistant Professor in the Amity Institute of Information Technology at Amity University UP, Noida, India. She has been a recipient of several prestigious awards during her academic career. She is an active nationally recognized researcher who has published numerous papers in her field.
New York Times bestseller • Finalist for the Pulitzer Prize "This is a book to shake up the world." —Ann Patchett Nicholas Carr's bestseller The Shallows has become a foundational book in one of the most important debates of our time: As we enjoy the internet's bounties, are we sacrificing our ability to read and think deeply? This 10th-anniversary edition includes a new afterword that brings the story up to date, with a deep examination of the cognitive and behavioral effects of smartphones and social media.