Huawei Configuration

If you want to learn to write your own scripts for the Nmap Scripting Engine, this is the book for you. It is perfect for network administrators, information security professionals, and even Internet enthusiasts who are familiar with Nmap.

In a world that is essentially digitizing, some have argued that the idea of the knowledge society holds the greatest promise for Africa's rapid socio-economic transformation. Impacts of the Knowledge Society on Economic and Social Growth in Africa aims to catalyze thinking and provide relevant information on the complex ways in which the information age is shaping Africa and the implications that this will have for the continent and the world. This premier reference volume will provide policy analysts, policymakers, academics, and researchers with fresh insights into the key empirical and theoretical matters framing Africa's ongoing digitization.

This book presents the concept of value as the central component to success and longevity of the global ICT industry player, Huawei. It provides examples of how Huawei focuses on customers to pursue sustainable and profitable growth rather than focusing on capital market valuation, which is a familiar scenario among Western companies. It is the business departments that are the creators of value for Huawei, whereas the finance department is tasked to provide support and services to those business departments and oversee their operations during the value creation process. The book illustrates how Huawei Finance sets rules, allocates resources, and builds centers of expertise all over the world to address future uncertainties. More than a decade ago Huawei dedicated seven years to implement the Integrated Financial Services (IFS) Transformation Program with the help of IBM consultants. This book also draws on the leading concepts and successful experience of the IFS Transformation Program. Huawei Finance adopts three types of centralized vertical management from the top down: treasury, accounting, and auditing. It does not transfer such central authority down to lower levels, but rather delegates all other authority to business organizations across all levels. This management model represents the focus of this book. Built on Value provides an overview of Huawei's finance management and will help academic researchers in Business/Management, as well as practitioners in industry, gain an accurate and in-depth understanding of Huawei as a company. Weiwei Huang is a professor at the School of Business, Renmin University, and previously headed the Business School's Department of Management Science and Engineering. He received his Master's Degree in Economics from the Industrial Economics Department of Renmin University of China. He is also a visiting scholar at the Desautels Faculty of Management at McGill University, the Ivey Business School at the University of Western On tario, and the University at Buffalo School of Management.

'Re-balancing China' addresses three key sets of issues in China's political economy. Part One provides an analysis of the profound effect of the global financial crisis upon China's economy, as well as the positive impact of the massive rescue package that was implemented in response to the crisis. Part Two focuses on the challenge of globalization for China's industrial policy. After more than two decades of industrial policy, China still has a negligible number of large firms that are competitive in global

markets. China's experience presents a fundamental challenge to traditional concepts of industrial policy and development. Part Three examines China's international relations – in particular, its relationship with the US and the interactions between the two countries in the East and South China Seas.

See your app through a hacker's eyes to find the real sources of vulnerability The Mobile Application Hacker's Handbook is a comprehensive guide to securing all mobile applications by approaching the issue from a hacker's point of view. Heavily practical, this book provides expert guidance toward discovering and exploiting flaws in mobile applications on the iOS, Android, Blackberry, and Windows Phone platforms. You will learn a proven methodology for approaching mobile application assessments, and the techniques used to prevent, disrupt, and remediate the various types of attacks. Coverage includes data storage, cryptography, transport layers, data leakage, injection attacks, runtime manipulation, security controls, and cross-platform apps, with vulnerabilities highlighted and detailed information on the methods hackers use to get around standard security. Mobile applications are widely used in the consumer and enterprise markets to process and/or store sensitive data. There is currently little published on the topic of mobile security, but with over a million apps in the Apple App Store alone, the attack surface is significant. This book helps you secure mobile apps by demonstrating the ways in which hackers exploit weak points and flaws to gain access to data. Understand the ways data can be stored, and how cryptography is defeated Set up an environment for identifying insecurities and the data leakages that arise Develop extensions to bypass security controls and perform injection attacks Learn the different attacks that apply specifically to cross-platform apps IT security breaches have made big headlines, with millions of consumers vulnerable as major corporations come under attack. Learning the tricks of the hacker's trade allows security professionals to lock the app up tight. For better mobile security and less vulnerable data, The Mobile Application Hacker's Handbook is a practical, comprehensive guide.

Huawei Goes Global provides a much-needed, comprehensive, and scholarly examination of the business environment and the striving global operations of China's technology giant. With theoretical research, case studies, data analysis, and empirical studies, this two-volume work tells a fascinating story of internationalization in an emerging economy. As one of the most powerful Chinese companies in the global economy, the largest global telecommunications-equipment producer and a leading consumer-electronics manufacturer, Huawei is a great example of the globalization of the Chinese enterprises in the twenty-first century. In Volume I, scholars critically examine the rise of Huawei as a Chinese global enterprise from the political economy and public policy perspectives, as well as Huawei's development strategies, innovations, and talent management. In Volume II, multiple authors carefully study the growth of Huawei from regional and geopolitical perspectives, and its corporate communication and crisis management. Within the framework of the trade conflicts between China and the US, controversies over economic sanctions, intellectual property disputes, and espionage and cyber security concerns, this groundbreaking work makes an important contribution to both academic literature and the ongoing public discourse on Huawei. Volume II is available here: https://www.palgrave.com/gp/book/9783030475789

This book describes how you can turn a Raspberry Pi into a business class fully functional VOIP PBX. The system is capable of making and receiving calls over GSM and the internet to and from all landline and mobile numbers. By using a DECT telephone system like the Gigaset A580 IP and a 4G Router like the Huawei LTE CPE B315, the telephone system needs no landline or telephone cabling. It is almost wireless which makes it an ideal solution for temporary offices etc. Detailed instructions are included to guide the reader through the installation and configuration of all the relevant hardware and software.
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This book constitutes the proceedings of the 20th International Semantic Web Conference, ISWC 2021, which took place in October 2021. Due to COVID-19 pandemic the conference was held virtually. The papers included in this volume deal with the latest advances in fundamental research, innovative technology, and applications of the Semantic Web, linked data, knowledge graphs, and knowledge processing on the Web. Papers are organized in a research track, resources and in-use track. The research track details theoretical, analytical and empirical aspects of the Semantic Web and its intersection with other disciplines. The resources track promotes the sharing of resources which support, enable or utilize semantic web research, including datasets, ontologies, software, and benchmarks. And finally, the in-use-track is dedicated to novel and significant research contributions addressing theoretical, analytical and empirical aspects of the Semantic Web and its intersection with other disciplines.
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Deploying IPv6 in 3GPP Networks – EvolvingMobile Broadband from 2G to LTE and Beyond A practical guide enabling mobile operators to deploy IPv6with confidence The most widely used cellular mobile broadband networktechnology is based on the 3GPP standards. The history andbackground of the 3GPP technology is in the Global Mobile Service(GSM) technology and the work done in European TelecommunicationsStandards Institute (ETSI). This primary voice service network hasevolved to be the dominant mobile Internet access technology. Deploying IPv6 in 3GPP Networks covers how InternetProtocol version 6 (IPv6) is currently defined in the industrystandards for cellular mobile broadband, why and how this route wastaken in the technology, and what is the current reality of thedeployment. Furthermore, it offers the authors' views on howsome possible IPv6 related advances 3GPP networks may be improvedduring the coming years. It gives guidance how to implement anddeploy IPv6 correctly in the Third Generation Partnership Project(3GPP) mobile broadband environment, and what issues one may facewhen doing so. The book covers 3GPP technologies from 2G to

LTE,and offers some ideas for thefuture. Key features written by highly respected and experienced authors from theIPv6 / mobile world Provides an explanation of the technical background for somenot-so-obvious design choices, what to concentrate on, and whattransition strategies should be used by the vendors and theoperators Offers a useful reference guide for operators and vendorsentering into IPv6 business

Reveals how Huawei has developed the ability to continually transform as a company by developing dynamic capabilities and change-supporting values.

COMMUNICATION NETWORKS AND SERVICE MANAGEMENT IN THE ERA OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING Discover the impact that new technologies are having on communication systems with this up-to-date and one-stop resource Communication Networks and Service Management in the Era of Artificial Intelligence and Machine Learning delivers a comprehensive overview of the impact of artificial intelligence (AI) and machine learning (ML) on service and network management. Beginning with a fulsome description of ML and AI, the book moves on to discuss management models, architectures, and frameworks. The authors also explore how AI and ML can be used in service management functions like the generation of workload profiles, service provisioning, and more. The book includes a handpicked selection of applications and case studies, as well as a treatment of emerging technologies the authors predict could have a significant impact on network and service management in the future. Statistical analysis and data mining are also discussed, particularly with respect to how they allow for an improvement of the management and security of IT systems and networks. Readers will also enjoy topics like: A thorough introduction to network and service management, machine learning, and artificial intelligence An exploration of artificial intelligence and machine learning for management models, including autonomic management, policy-based management, intent based management, and network virtualization-based management Discussions of AI and ML for architectures and frameworks, including cloud - systems, software defined networks, 5G and 6G networks, and Edge/Fog networks An examination of AI and ML for service management, including the automatic generation of workload profiles using unsupervised learning Perfect for information and communications technology educators, Communication Networks and Service Management in the Era of Artificial Intelligence and Machine Learning will also earn a place in the libraries of engineers and professionals who seek a structured reference on how the emergence of artificial intelligence and machine learning techniques is affecting service and network management.

Cloud Data Center Network Architectures and Technologies has been written with the support of Huawei's vast technical knowledge and experience in the data center network (DCN) field, as well as its understanding of customer service requirements. This book describes in detail the architecture design, technical implementation, planning and design, and

deployment suggestions for cloud DCNs based on the service challenges DCNs encounter. It starts by describing the overall architecture and technical evolution of DCNs, with the aim of helping readers understand the development of DCNs. It then proceeds to explain the design and implementation of cloud DCNs, including the service model of a single data center (DC), construction of physical and logical networks of DCs, construction of multiple DCNs, and security solutions of DCs. Next, this book dives deep into practices of cloud DCN deployment based on real-world cases to help readers better understand how to build cloud DCNs. Finally, this book introduces DCN openness and some of the hottest forward-looking technologies. In summary, you can use this book as a reference to help you to build secure, reliable, efficient, and open cloud DCNs. It is intended for technical professionals of enterprises, research institutes, information departments, and DCs, as well as teachers and students of computer network-related majors in colleges and universities. Authors Lei Zhang Mr. Zhang is the Chief Architect of Huawei's DCN solution. He has more than 20 years' experience in network product and solution design, as well as a wealth of expertise in product design and development, network planning and design, and network engineering project implementation. He has led the design and deployment of more than 10 large-scale DCNs for Fortune Global 500 companies worldwide. Le Chen Mr. Chen is a Huawei DCN Solution Documentation Engineer with eight years' experience in developing documents related to DCN products and solutions. He has participated in the design and delivery of multiple large-scale enterprise DCNs. Mr. Chen has written many popular technical document series, such as DCN Handbook and BGP Topic.

Launched in 2011 to recognize the prolific contribution that PhD dissertations make to the field of Innovation Management, the ISPIM Dissertation Award selects three winners from the possible 100+ entries every year. Aided in the selection process by the generous support of Innovation Leaders, the ISPIM presents the awards at their annual Innovation Conference. With only three finalists being selected each year, many excellent submissions do not receive the recognition they deserve. To rectify this, the 2018 ISPIM Dissertation Award cast its spotlight beyond the top three dissertations and onto a much greater number of entries. Compiling the top 28 submissions received this year, 'New Waves in Innovation Management Research' is organized into six thematic sections that cover areas such as investments, collaboration, and creativity. Presenting a broad range of case studies and data from across global, this edited volume illustrates the breadth of research potential in the coming wave of innovation management. This book will be of interest to students, researchers and professional managers, alike, who are interested in or actively involved in the latest research on innovation management.

The book is a collection of high-quality peer-reviewed research papers presented at International Conference on Information System Design and Intelligent Applications (INDIA 2017) held at Duy Tan University, Da Nang, Vietnam

during 15-17 June 2017. The book covers a wide range of topics of computer science and information technology discipline ranging from image processing, database application, data mining, grid and cloud computing, bioinformatics and many others. The various intelligent tools like swarm intelligence, artificial intelligence, evolutionary algorithms, bio-inspired algorithms have been well applied in different domains for solving various challenging problems.

Over 100 practical recipes related to network and application security auditing using the powerful Nmap About This Book Learn through practical recipes how to use Nmap for a wide range of tasks for system administrators and penetration testers. Learn the latest and most useful features of Nmap and the Nmap Scripting Engine. Learn to audit the security of networks, web applications, databases, mail servers, Microsoft Windows servers/workstations and even ICS systems. Learn to develop your own modules for the Nmap Scripting Engine. Become familiar with Lua programming. 100% practical tasks, relevant and explained step-by-step with exact commands and optional arguments description Who This Book Is For The book is for anyone who wants to master Nmap and its scripting engine to perform real life security auditing checks for system administrators and penetration testers. This book is also recommended to anyone looking to learn about network security auditing. Finally, novice Nmap users will also learn a lot from this book as it covers several advanced internal aspects of Nmap and related tools. What You Will Learn Learn about Nmap and related tools, such as Ncat, Ncrack, Ndiff, Zenmap and the Nmap Scripting Engine Master basic and advanced techniques to perform port scanning and host discovery Detect insecure configurations and vulnerabilities in web servers, databases, and mail servers Learn how to detect insecure Microsoft Windows workstations and scan networks using the Active Directory technology Learn how to safely identify and scan critical ICS/SCADA systems Learn how to optimize the performance and behavior of your scans Learn about advanced reporting Learn the fundamentals of Lua programming Become familiar with the development libraries shipped with the NSE Write your own Nmap Scripting Engine scripts In Detail This is the second edition of 'Nmap 6: Network Exploration and Security Auditing Cookbook'. A book aimed for anyone who wants to master Nmap and its scripting engine through practical tasks for system administrators and penetration testers. Besides introducing the most powerful features of Nmap and related tools, common security auditing tasks for local and remote networks, web applications, databases, mail servers, Microsoft Windows machines and even ICS SCADA systems are explained step by step with exact commands and argument explanations. The book starts with the basic usage of Nmap and related tools like Ncat, Ncrack, Ndiff and Zenmap. The Nmap Scripting Engine is thoroughly covered through security checks used commonly in real-life scenarios applied for different types of systems. New chapters for Microsoft Windows and ICS SCADA systems were added and every recipe was revised. This edition reflects the latest updates and hottest additions to the Nmap project to date. The book will also introduce you to Lua programming and

NSE script development allowing you to extend further the power of Nmap. Style and approach This book consists of practical recipes on network exploration and security auditing techniques, enabling you to get hands-on experience through real life scenarios.

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.

International Operations Management: Lessons in Global Business uses a fascinating selection of case studies researched during the 'International Operations Management Project', sponsored by the European Commission, to produce a valuable view of businesses in Western and Eastern traditions. Ranging from China Post and Flextronics International (Singapore) to Electrolux, Ford, and GlaxoSmithKline, the studies link conceptual and practical approaches in five areas: international operations management strategy, sourcing and manufacturing, new product development, logistics, and networked organisations. Throughout, the authors compare the Western and Eastern approaches to business, and introduce theory to clarify the comparison and the real consequences of internationalisation. With its balance of theoretical and applied content, this volume, created from an exciting collaboration between universities and schools of management in Europe and China, serves as both a primary and supplementary source for higher level students and educators, and as a worthwhile read for interested practitioners.

This book presents the outcomes of the 5th ACIS International Conference on Computational Science/Intelligence & Applied Informatics (CSII 2018), which was held on July 10–12, 2018 in Yonago, Japan. The aim of the conference was to bring together researchers and scientists, businesspeople and entrepreneurs, teachers, engineers, computer users, and students to discuss the various fields of computer science, to share their experiences, and to exchange new ideas and information in a meaningful way. All aspects (theory, applications and tools) of computer and information science, the practical challenges encountered along the way, and the solutions adopted to solve them are all explored here. The conference organizers selected the best papers from among those accepted for presentation. The papers were chosen on the basis of review scores submitted by members of the program committee and subsequently underwent further rigorous review. Following this second round of review, 13 of the conference's most promising papers were selected for this Springer (SCI) book. We eagerly await the important contributions that we know these authors will make to the field of computer and information science.

This multi-volume set focuses on a key region of the world which contains four of the biggest emerging economies, a

large number of highly dynamic small- and medium-sized emerging economies, and one of the leading advanced industrial countries. It is a region which contains some of the biggest hydrocarbon and mineral deposits in the world, and some of the most energy- and metal-hungry economies in the world. With half the world's population, it is one of the most dynamic regions of the globe in terms of population movement, providing a key focus of foreign investment, both inwards and outwards, with a high degree of technological dynamism. The region plays a central role in the industrial supply networks of the globe.In four volumes, focusing on, respectively, foreign investment, innovation, energy and migration, the set focuses on each of the main elements in the production system in turn — capital, innovation, raw materials and labour. Volume 1 studies patterns of interchange of financial and direct investment within the region, focusing on governance, the development of supply chains, and technology transfer. In Volume 2, the technology theme becomes dominant, with a special focus on digital technology. It includes technical issues like mobile communications standardisation, developmental dimensions, including the role of clusters and science parks, and political economy issues like the rise of techno-nationalism. Volume 3 turns to energy issues — not just issues of supply and demand, but also key problems of climate change, security and sustainability across the Eurasian and Asian landmass. Volume 4 presents the human dimension, looking at people in movement, as workers, citizens, men, women, or colonisers. Among the key issues discussed are the migration from country to town in China, the 'greying' of countries like Japan, the effect of war on migration, marriage migration, human trafficking and the depopulation of the Russian Far East.The set is a must-have for anyone keen to understand the region whose manufacturing core can be described, without exaggeration, as the 'workshop of the world' of the twenty-first century.

Can firms and economies utilize global value chains for development? How can they move from low-income to middle-income and even high-income status? This book addresses these questions through a series of case studies examining upgradation and innovation by firms operating in GVCs in Asia. The countries examined are China, India, South Korea, the Philippines, and Sri Lanka, with studies of firms operating in varied sectors - aerospace components, apparel, automotive, consumer electronics including mobile phones, telecom equipment, IT software and services, and pharmaceuticals.

This book is a study guide for Huawei (HCNA) certification. It has been written to help readers understand the principles of network technologies. It covers topics including network fundamentals, Ethernet, various protocols such as those used in routing, and Huawei's own VRP operating system—all essential aspects of HCNA certification. Presenting routing and switching basics in depth, it is a valuable resource for information and communications technology (ICT) practitioners, university students and network technology fans.

This book gathers a selection of peer-reviewed papers presented at the first Big Data Analytics for Cyber-Physical System in Smart City (BDCPS 2019) conference, held in Shengyang, China, on 28–29 December 2019. The contributions, prepared by an international team of scientists and engineers, cover the latest advances made in the field of machine learning, and big data analytics methods and approaches for the data-driven co-design of communication, computing, and control for smart cities. Given its scope, it offers a valuable resource for all researchers and professionals interested in big data, smart cities, and cyber-physical systems.

The aim of the book is to provide latest research findings, innovative research results, methods and development techniques from both theoretical and practical perspectives related to the emerging areas of Web Computing, Intelligent Systems and Internet Computing. As the Web has become a major source of information, techniques and methodologies that extract quality information are of paramount importance for many Web and Internet applications. Data mining and knowledge discovery play key roles in many of today's prominent Web applications such as e-commerce and computer security. Moreover, the outcome of Web services delivers a new platform for enabling service-oriented systems. The emergence of large scale distributed computing paradigms, such as Cloud Computing and Mobile Computing Systems, has opened many opportunities for collaboration services, which are at the core of any Information System. Artificial Intelligence (AI) is an area of computer science that build intelligent systems and algorithms that work and react like humans. The AI techniques and computational intelligence are powerful tools for learning, adaptation, reasoning and planning. They have the potential to become enabling technologies for the future intelligent networks. Recent research in the field of intelligent systems, robotics, neuroscience, artificial intelligence and cognitive sciences are very important for the future development and innovation of Web and Internet applications.

Distributed MIMO and cell-free mobile communication are emerging technologies of wireless communication. This book introduces the fundamental theory, key technology and the prototype system of distributed MIMO and cellular free mobile communication system, including the unified system model, capacity and spectral efficiency analysis under imperfect channel information, cell edge effect, optimal power allocation and energy efficiency optimization, cache optimization, low complexity wireless transmission technology and new network assisted full duplex technology. In addition, the implementation of software and hardware and test results of distributed MIMO and cell free system based on cloud architecture are introduced in detail.This book will benefit senior undergraduates, postgraduates, scholars and engineers who are engaged in wireless mobile communication research. It can also be used as a reference book for postgraduates and researchers in the field of electronic and information engineering.

This is a research paper published in international journal.

Master continuous integration, deployment and automated testing for Android apps. You'll see how to set up and tear down sandbox environments to test the end-user experience, where you'll learn how to manage a mobile device in addition to the build machine. Android Continuous Integration applies a real-world CI pattern that has been thoroughly tested and implemented. This book starts with continuous integration concepts and the tools and code needed to become proficient in continuous integration for Android apps. You'll also follow acceptance test driven development (ATDD) best practice, giving you all the skills you need to become a better, more effective developer. Finally, you'll learn about the Appium mobile automation library and the Jenkins continuous integration tool. What You Will Learn Understand how to build an Android mobile app from source Set up a development or debugging environment for mobile apps Integrate with the Nexus

dependency management and application release tool Work with the SonarQube code quality analyzer Use debugging tools in Android Who This Book Is For Product owners/business analysts, QA/test engineers, developers and build/deploy engineers.
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IT changes everyday's life, especially in education and medicine. The goal of ITME 2013 is to further explore the theoretical and practical issues of IT in education and medicine. It also aims to foster new ideas and collaboration between researchers and practitioners.

Strategic disruptors in companies and economies, including blockchain technology, big data, and artificial intelligence, can contribute to the creation of new business opportunities, jobs, and growth. Research is needed on the impacts of these disruptors in Asia, as well as analyses on new business ecosystems and policy implications. Global Challenges and Strategic Disruptors in Asian Businesses and Economies presents a rich collection of chapters that explore and discuss the state of the art, emerging topics, challenges, and success factors in business, big data, innovation, and technology in Asia. The book explores how the internet of things, big data, and artificial intelligence can provide solutions for global challenges and companies. Including topics on digital economy, strategic management, and information technologies, this book is ideal for managing directors, general managers, corporate heads of firms, politicians, executives, entrepreneurs, academicians, decision makers, policymakers, researchers, and students looking to enhance their understanding and collaboration in business, disruptive innovation, and technology in Asia.

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Cyber security research is one of the important areas in the computer science domain which also plays a major role in the life of almost every individual, enterprise, society and country, which this book illustrates. A large number of advanced security books focus on either cryptography or system security which covers both information and network security. However, there is hardly any books available for advanced-level students and research scholars in security research to systematically study how the major attacks are studied, modeled, planned and combated by the community. This book aims to fill this gap. This book provides focused content related to specific attacks or attack families. These dedicated discussions in the form of individual chapters covers the application or area specific aspects, while discussing the placement of defense solutions to combat the attacks. It includes eight high quality chapters from established security research groups worldwide, which address important attacks from theoretical (modeling) as well as practical aspects. Each chapter brings together comprehensive and structured information on an attack or an attack family. The authors present crisp detailing on the state of the art with quality illustration of defense mechanisms and open research problems. This book also covers various important attacks families such as insider threats, semantics social engineering attacks, distributed denial of service attacks, botnet based attacks, cyber physical malware based attacks, cross-vm attacks, and IoT covert channel attacks. This book will serve the interests of cyber security enthusiasts, undergraduates, post-graduates, researchers and professionals working in this field.

This book contains the combined proceedings of the 4th International Conference on Ubiquitous Computing Application and Wireless Sensor Network (UCAWSN-15) and the 16th International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT-15). The combined proceedings present peer-reviewed contributions from academic and industrial researchers in fields including ubiquitous and context-aware computing, context-awareness reasoning and representation, location awareness services, and architectures, protocols and algorithms, energy, management and control of wireless sensor networks. The book includes the latest research results, practical developments and applications in parallel/distributed architectures, wireless networks and mobile computing, formal methods and

programming languages, network routing and communication algorithms, database applications and data mining, access control and authorization and privacy preserving computation.

This volume of Advances in Intelligent Systems and Computing contains accepted papers presented in the main track of ECC 2015, the Second Euro-China Conference on Intelligent Data Analysis and Applications. The aim of ECC is to provide an internationally respected forum for scientific research in the broad area of intelligent data analysis, computational intelligence, signal processing, and all associated applications of AIs. The second edition of ECC was organized jointly by VSB - Technical University of Ostrava, Czech Republic, and Fujian University of Technology, Fuzhou, China. The conference, organized under the patronage of Mr. Miroslav Novak, President of the Moravian-Silesian Region, took place in late June and early July 2015 in the Campus of the VSB - Technical University of Ostrava, Czech Republic. With the implementation of the strategic plan "Made in China 2025" as its guideline and "the study of formulation of executive summary of innovative design in the manufacturing industry" as the main theme, this book provides an in-depth interpretation of innovative design from three perspectives – why, what and how. Chapter One, "The Necessity of Developing Innovative Design," focuses on why innovative design should be developed, and Chapter Two, "Concept And Connotation of Innovative Design," explains what innovative design is, while Chapters Three to Seven systematically and comprehensively discuss how to develop innovative design and how to improve innovative design skills in various contexts, including key industries, business, personnel training, platform building, and supporting measures. Lastly, Chapter Eight "Cases of Innovative Design" explores the value of innovative design and innovative design-driven industrial transformation. By analyzing several design-driven companies, such as China Railway Rolling Stock Corporation, Haier Group and GAG Trumpchi, and the role of corporate innovative development as well as typical examples of major innovative design projects, it offers readers insights and inspiration.

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