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11th IFIP WG 11.2 International Conference, WISTP 2017, Heraklion, Crete, Greece, September 28-29, 2017, Proceedings

9th International Conference, NETYS 2021, Virtual Event, May 19-21, 2021, Proceedings

Intelligent Internet of Things

The Difficult Transformation from IT Enabler Technology to Core Engineering Competence

Principles and Applications of CANN

The Party

11th IFIP WG 11.2 International Conference, WISTP 2017, Heraklion, Crete, Greece, September 28-29, 2017, Proceedings

World Intellectual Property Indicators 2021

Mobile Unleashed

Patent Management

A Casebook on Asia's Global Market Leaders

The Fundamental Elements of Strategy
Trends and Innovations in Information Systems and Technologies
Volume 2
24th European Symposium on Research in Computer Security, Luxembourg,
September 23-27, 2019, Proceedings, Part II
System-on-Chip for Real-Time Applications
Networked Systems

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CULLEN JOSE

11th IFIP WG 11.2
International Conference,
WISTP 2017, Heraklion,
Crete, Greece, September
28-29, 2017, Proceedings
Createspace Independent
Publishing Platform
This holistic book is an

invaluable reference for
addressing various
practical challenges in
architecting and
engineering Intelligent IoT
and eHealth solutions for
industry practitioners,
academic and
researchers, as well as for
engineers involved in
product development. The
first part provides a

comprehensive guide to
fundamentals,
applications, challenges,
technical and economic
benefits, and promises of
the Internet of Things
using examples of real-
world applications. It also
addresses all important
aspects of designing and
engineering cutting-edge
IoT solutions using a

cross-layer approach from device to fog, and cloud covering standards, protocols, design principles, reference architectures, as well as all the underlying technologies, pillars, and components such as embedded systems, network, cloud computing, data storage, data processing, big data analytics, machine learning, distributed ledger technologies, and security. In addition, it discusses the effects of Intelligent IoT, which are reflected in new business

models and digital transformation. The second part provides an insightful guide to the design and deployment of IoT solutions for smart healthcare as one of the most important applications of IoT. Therefore, the second part targets smart healthcare-wearable sensors, body area sensors, advanced pervasive healthcare systems, and big data analytics that are aimed at providing connected health interventions to individuals for healthier

lifestyles.

9th International Conference, NETYS 2021, Virtual Event, May 19-21, 2021, Proceedings Elsevier

This book gathers selected papers presented at the 2020 World Conference on Information Systems and Technologies (WorldCIST'20), held in Budva, Montenegro, from April 7 to 10, 2020. WorldCIST provides a global forum for researchers and practitioners to present and discuss recent results

and innovations, current trends, professional experiences with and challenges regarding various aspects of modern information systems and technologies. The main topics covered are A) Information and Knowledge Management; B) Organizational Models and Information Systems; C) Software and Systems Modeling; D) Software Systems, Architectures, Applications and Tools; E) Multimedia Systems and Applications; F) Computer Networks, Mobility and Pervasive Systems; G)

Intelligent and Decision Support Systems; H) Big Data Analytics and Applications; I) Human-Computer Interaction; J) Ethics, Computers & Security; K) Health Informatics; L) Information Technologies in Education; M) Information Technologies in Radiocommunications; and N) Technologies for Biomedical Applications. *Intelligent Internet of Things* Springer Science & Business Media
 “A masterful depiction of the party today. . . .
 McGregor illuminates the

most important of the contradictions and paradoxes. . . . An entertaining and insightful portrait of China’s secretive rulers.” —The Economist “Few outsiders have any realistic sense of the innards, motives, rivalries, and fears of the Chinese Communist leadership. But we all know much more than before, thanks to Richard McGregor’s illuminating and richly-textured look at the people in charge of China’s political machinery. . . . Invaluable.” — James

Fallows, National Correspondent for The Atlantic In this provocative and illuminating account, Financial Times reporter Richard McGregor offers a captivating portrait of China's Communist Party, its grip on power and control over China, and its future. China's political and economic growth in the past three decades has been one of astonishing, epochal dimensions. The most remarkable part of this transformation, however, has been left largely

untold—the central role of the Chinese Communist Party. McGregor delves deeply into China's inner sanctum for the first time, showing how the Communist Party controls the government, courts, media, and military and keeps all corruption accusations against its members in-house. The Party's decisions have a global impact, yet the CCP remains a deeply secretive body, hostile to the law and unaccountable to anyone or anything other than its own internal tribunals. It

is the world's only geopolitical rival of the United States, and is primed to think the worst of the West.

The Difficult Transformation from IT Enabler Technology to Core Engineering Competence Springer Science & Business Media System-on-Chip for Real-Time Applications will be of interest to engineers, both in industry and academia, working in the area of SoC VLSI design and application. It will also be useful to graduate and undergraduate students

in electrical and computer engineering and computer science. A selected set of papers from the 2nd International Workshop on Real-Time Applications were used to form the basis of this book. It is organized into the following chapters: - Introduction; -Design Reuse; -Modeling; - Architecture; -Design Techniques; -Memory; - Circuits; -Low Power; - Interconnect and Technology; -MEMS. System-on-Chip for Real-Time Applications contains many signal

processing applications and will be of particular interest to those working in that community.

PRINCIPLES AND APPLICATIONS OF CANN

Springer
Addresses the Challenges Associated with System-on-Chip Integration
Network-on-Chip: The Next Generation of System-on-Chip
Integration examines the current issues restricting chip-on-chip communication efficiency, and explores Network-on-

chip (NoC), a promising alternative that equips designers with the capability to produce a scalable, reusable, and high-performance communication backbone by allowing for the integration of a large number of cores on a single system-on-chip (SoC). This book provides a basic overview of topics associated with NoC-based design: communication infrastructure design, communication methodology, evaluation framework, and mapping

of applications onto NoC. It details the design and evaluation of different proposed NoC structures, low-power techniques, signal integrity and reliability issues, application mapping, testing, and future trends. Utilizing examples of chips that have been implemented in industry and academia, this text presents the full architectural design of components verified through implementation in industrial CAD tools. It describes NoC research and developments,

incorporates theoretical proofs strengthening the analysis procedures, and includes algorithms used in NoC design and synthesis. In addition, it considers other upcoming NoC issues, such as low-power NoC design, signal integrity issues, NoC testing, reconfiguration, synthesis, and 3-D NoC design. This text comprises 12 chapters and covers: The evolution of NoC from SoC—its research and developmental challenges NoC protocols, elaborating flow control, available

network topologies, routing mechanisms, fault tolerance, quality-of-service support, and the design of network interfaces The router design strategies followed in NoCs The evaluation mechanism of NoC architectures The application mapping strategies followed in NoCs Low-power design techniques specifically followed in NoCs The signal integrity and reliability issues of NoC The details of NoC testing strategies reported so far The problem of

synthesizing application-specific NoCs
 Reconfigurable NoC design issues
 Direction of future research and development in the field of NoC
 Network-on-Chip: The Next Generation of System-on-Chip
 Integration covers the basic topics, technology, and future trends relevant to NoC-based design, and can be used by engineers, students, and researchers and other industry professionals interested in computer architecture, embedded systems, and parallel/distributed

systems.
The Party Pearson Education
 Personal computing is changing from an old world of local services provided by local devices to a new world of remote Web-based services provided by cloud computing-based data centres. This book explores in detail what might be required to make a comprehensive move to this exciting new world and the many benefits that move could bring.
11th IFIP WG 11.2

International Conference, WISTP 2017, Heraklion, Crete, Greece, September 28-29, 2017, Proceedings
 БХВ-Петербург
 This book originated from a workshop held at the DATE 2005 conference, namely Designing Complex SOCs. State-of-the-art in issues related to System-on-Chip (SoC) design by leading experts in the fields, it covers IP development, verification, integration, chip implementation, testing and software. It contains valuable academic and industrial examples for

those involved with the design of complex SOCs.

World Intellectual Property Indicators

2021 Springer Nature
This volume constitutes the refereed proceedings of the 11th IFIP WG 11.2 International Conference on Information Security Theory and Practices, WISTP 2017, held in Heraklion, Crete, Greece, in September 2017. The 8 revised full papers and 4 short papers presented were carefully reviewed and selected from 35 submissions. The papers are organized in the

following topical sections: security in emerging systems; security of data; trusted execution; defenses and evaluation; and protocols and algorithms.

Mobile Unleashed MIT Press

This casebook demonstrates that the future of global business lies in how well the multinational landscape is charted and how the importance of Asian market leaders is deeply embedded in it. It offers international management students

and researchers an extensive guide to the business history, strategy development, and foreign market entry modes used by emerging Asian multinationals. The cases focus on well-known companies such as Lenovo, Alibaba, Infosys, Huawei, Panasonic, and Rakuten. These companies, all of which generate huge revenues in their own countries (e.g. in China, India, South Korea, Taiwan, Vietnam), are now becoming increasingly sophisticated and striving to become

global brands, while also enjoying the active support of their governments in terms of their international business. Readers will learn about the current multinational landscape in Asia, the management challenges, and the future implications for traditional western companies seeking to retain their market share. Chapters on corporate entrepreneurship, human resource management and intercultural competence, and current branding trends in Asia

will provide a cutting-edge update on international business strategy for students and practitioners alike.

Patent Management

Random House

Patent Management is a comprehensive guide to the world of patents. It covers the entire process from invention to commercialization, including the legal aspects of patent law and the practical aspects of patent strategy. The book is written in a clear and concise style, making it accessible to both legal and non-legal professionals. It is an essential resource for anyone involved in the development and commercialization of new technologies.

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A Casebook on Asia's Global Market Leaders
Springer

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short papers presented were carefully reviewed and selected from 35 submissions. The papers are organized in the following topical sections: security in emerging systems; security of data; trusted execution; defenses and evaluation; and protocols and algorithms.

The Fundamental Elements of Strategy

Springer Nature

This open access book clarifies confusions of strategy that have existed for nearly 40 years through the core thoughts

of three fundamental elements. Unlike the traditional definition of strategy as "a plan to achieve a long-term goal from overall considerations" in a linear view, this book defines strategy from non-linear viewpoint as it is in the real world. The art of a strategy lies not only in the determination of development goals, but also in the identification of development problems and putting forward overall guiding ideology of solving problems. Rich illustrations as well as

numerous business and military cases are presented in helping readers to understand the fundamental elements of strategy. The general scope of the book includes introductions to the three fundamental elements of strategy, three-sub decisions of a complete strategic decision, incomplete strategies, relationship between tactic and strategy, three elements of competitive and corporative strategies. There may be biases in company-level, real

strategic decision-making which makes a complete strategy not necessarily a perfect one. The book introduces biases and reasons for the biases, helping industrial strategic decision-makers understand the importance of knowing the nature of the company, the industry and its environment. In addition, this book also presents principles and evaluation approaches of strategic decisions, explores the reasons for the excessive definitions of the strategy concept,

and discusses directions of future's research tasks. The book will benefit business managers who are interested in knowing what a complete strategic decision is and how to avoid errors or biases in strategic decision-making. It also benefits students in business schools (especially in MBA/EMBA programs) who are (or will be) on executive positions. Academic researchers may find it is interesting to understand strategy from the view of the three elements. The

new view provides a novel insight into strategy and promotes several research directions in the future. The three elements of strategy are also applicable to military strategies and readers who are interested in military and may find its value as well.

[Trends and Innovations in Information Systems and Technologies](#) Springer Nature

Prepare for the future of cloud infrastructure: Distributed Services Platforms By moving service modules closer to

applications, Distributed Services (DS) Platforms will future-proof cloud architectures—improving performance, responsiveness, observability, and troubleshooting. Network pioneer Silvano Gai demonstrates DS Platforms' remarkable capabilities and guides you through implementing them in diverse hardware. Focusing on business benefits throughout, Gai shows how to provide essential shared services such as segment routing, NAT, firewall, micro-

segmentation, load balancing, SSL/TLS termination, VPNs, RDMA, and storage—including storage compression and encryption. He also compares three leading hardware-based approaches—Sea of Processors, FPGAs, and ASICs—preparing you to evaluate solutions, ask the right questions, and plan strategies for your environment. Understand the business drivers behind DS Platforms, and the value they offer See how modern network design and virtualization

create a foundation for DS Platforms Achieve unprecedented scale through domain-specific hardware, standardized functionalities, and granular distribution Compare advantages and disadvantages of each leading hardware approach to DS Platforms Learn how P4 Domain-Specific Language and architecture enable high-performance, low-power ASICs that are data-plane-programmable at runtime Distribute cloud security services, including firewalls, encryption, key

management, and VPNs
 Implement distributed
 storage and RDMA
 services in large-scale
 cloud networks Utilize
 Distributed Services Cards
 to offload networking
 processing from host
 CPUs Explore the newest
 DS Platform management
 architectures Building a
 Future-Proof Cloud
 Architecture is for
 network, cloud,
 application, and storage
 engineers, security
 experts, and every
 technology professional
 who wants to succeed
 with tomorrow's most

advanced service
 architectures.
Volume 2 Springer
 Nature
 Рассмотрены все
 основные аспекты
 создания приложений
 для платформы Android
 9 (API 28): установка
 необходимого
 программного
 обеспечения,
 использование
 эмулятора Android,
 создание интерфейса
 пользователя, работа с
 графикой,
 воспроизведение звука
 и видео, методы
 хранения данных (в том

числе СУБД SQLite),
 взаимодействие с
 аппаратными
 средствами мобильного
 устройства, отладка
 приложений и их
 публикация в магазине
 Google Play. Особое
 внимание уделено
 взаимодействию с
 аппаратными
 средствами смартфона.
 Показано, как получить
 информацию об
 устройстве и
 определить его
 состояние, использовать
 его датчики
 (акселерометр, датчик
 света, датчик

температуры, датчик давления), камеру, Bluetooth-адаптер. Приведены решения для различных нештатных ситуаций (отказ эмулятора, проблема с установкой программного обеспечения и т. д.), что поможет начинающему программисту. В 3-м издании описано создание 64-разрядных приложений для Android, рассмотрены изменения в интерфейсе среды разработки и новый API. *24th European*

Symposium on Research in Computer Security, Luxembourg, September 23-27, 2019, Proceedings, Part II Springer Science & Business Media
The Linux Programming Interface (TLPI) is the definitive guide to the Linux and UNIX programming interface—the interface employed by nearly every application that runs on a Linux or UNIX system. In this authoritative work, Linux programming expert Michael Kerrisk provides detailed descriptions of the system

calls and library functions that you need in order to master the craft of system programming, and accompanies his explanations with clear, complete example programs. You'll find descriptions of over 500 system calls and library functions, and more than 200 example programs, 88 tables, and 115 diagrams. You'll learn how to: -Read and write files efficiently -Use signals, clocks, and timers -Create processes and execute programs -Write secure programs -Write

multithreaded programs using POSIX threads
 –Build and use shared libraries –Perform interprocess communication using pipes, message queues, shared memory, and semaphores –Write network applications with the sockets API While The Linux Programming Interface covers a wealth of Linux-specific features, including epoll, inotify, and the /proc file system, its emphasis on UNIX standards (POSIX.1-2001/SUSv3 and POSIX.1-2008/SUSv4)

makes it equally valuable to programmers working on other UNIX platforms. The Linux Programming Interface is the most comprehensive single-volume work on the Linux and UNIX programming interface, and a book that's destined to become a new classic.

SYSTEM-ON-CHIP FOR REAL-TIME APPLICATIONS

No Starch Press
 China is certainly doing its best to keep the world mesmerized by its economic achievements. The

Chinese economic growth story that begun 30 years ago has in terms of dynamics and duration long since surpassed all those “economic miracles” which have brought Germany, Japan, and the South East Asian Tigers into the top-league of the industrialized world. The rapid expansion of the Chinese economy has gone along with a fledged re-integration of China into the global economic system. In the course of the last 30 years China has become a major player in the global

economy and today is on a trajectory towards even greater prominence. In recent years, the Chinese economy seems to have reached an important threshold line of economic development and global integration. In the first quarter century of reform and global opening, Chinese enterprises have been largely confined to a 'passive' role in the global division of labor. Foreign enterprises as the proprietors of greatly superior business models, production technologies, management models as

well as very competitively established brands have been integrating Chinese players in their value chains and global operations. Lacking the necessary production technologies, products as well as marketing knowledge to successfully address OECD-consumers, Chinese enterprises have been hardly able to enter the global markets without such guidance. Now, this constellation is changing.

NETWORKED SYSTEMS

Fultus Corporation

The most comprehensive English-language overview of the modern Chinese economy, covering China's economic development since 1949 and post-1978 reforms—from industrial change and agricultural organization to science and technology. *The Linux Programming Interface* Addison-Wesley Professional
An all-in-one programmer's guide to the personal computer industry's most powerful chip—with information on the Intel 486 DX2

microprocessor. Also covers the Intel 486 SX microprocessor for affordable and upgradeable entry-level system performance. This book is organized in five parts, including application programming, system programming, numeric processing, compatibility, and the instruction set.

The Origin and Evolution of Arm Processors in Our Devices

Springer Nature
About the ARM Architecture The ARM architecture is the

industry's leading 16/32-bit embedded RISC processor solution. ARM Powered microprocessors are being routinely designed into a wider range of products than any other 32-bit processor. This wide applicability is made possible by the ARM architecture, resulting in optimal system solutions at the crossroads of high performance, low power consumption and low cost. About the book This is the authoritative reference guide to the ARM RISC architecture.

Produced by the architects that are actively working on the ARM specification, the book contains detailed information about all versions of the ARM and Thumb instruction sets, the memory management and cache functions, as well as optimized code examples.

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Compound Semiconductor Integrated Circuits Harper Collins
Ascend AI Processor Architecture and Programming Principles and Applications of

CANNElsevier

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