

A Complete Toolkit for Designing Embedded Cores and Utilizing Those Cores in an Embedded System A landmark guide in digital system design, Embedded Core Design with FPGAs equips today's computer engineers with everything they need to design embedded cores and apply those cores in a state-of-the-art embedded system. This practical resource brings together logic design, computer architecture, Verilog, FPGAs, Hardware/Software design, and SoCs, explaining how engineers can draw on their computer engineering background to achieve cutting-edge embedded designs. Renowned design expert and educator Zainalabedin Navabi first covers the basics of logic design, RT Level Verilog, computer architectures, and the architecture of modern field programmable devices. He then explores the design of utility cores that are used for high-level core-based designs, with specific focus on existing Altera cores. Finally, he describes higher-end design methodologies, including design of hardware/software systems, CPU configurations, embedded systems, and the utilization of various Altera Nios II processors. Embedded Core Design with FPGAs features: A full array of design aids, including Verilog, FPLD structures, design and programming environments, and software and hardware tools The latest embedded system design techniques, including use of high-level integrated environments, SOPC development tools, utilizing existing processor cores, and developing your own customized processor A clear focus on utilizing Altera's new DE series and UP3 development boards and design software, including SOPC Builder and IDE software design environment Master Every Aspect of Embedded Core Design-- High-Level Hardware/Software Design Concepts: High-Level System Design Methodology RT Level Logic Design RT Level Verilog Computer Hardware and Software Programming Languages FPGA Architecture and Utilization FPGA-Based Design of Embedded Cores: Implementation of Basic Interface Components Configurable Cores Custom Cores CPU Cores Core-Based System Design Using Development Boards for Prototyping System Design with Processor Cores: Design with a Customer Embedded CPU Embedded Core DSP Application Embedded Microcontroller with Keyboard and Display Interfaces Using Embedded Design Hardware and Software Tools Nios II Processor Nios II-Based Hardware/Software System Design

Gain a thorough understanding of today's ever-changing world of technology as you learn how to apply technology to your academic, professional and personal life with TECHNOLOGY FOR SUCCESS: COMPUTER CONCEPTS. Written by a team of best-selling technology authors and based on extensive research and feedback from learners and subject matter experts, this edition breaks each topic into brief, inviting lessons that address the "what, why and how" behind technology to ensure deep understanding and application to today's real world. You learn to become both a consumer and effective user of the most current technology. You also discover how to read the latest technology news and understand its impact on your daily life, the economy and society. **Important Notice:** Media content referenced within the product description or the product text may not be available in the ebook version.

Design, fabrication and test of partially populated prototype recorder using 100 kilobit serial chips is described. Electrical interface, operating modes, and mechanical design of several module configurations are discussed. Fabrication and test of the module demonstrated the practicality of multiplexing resulting in lower power, weight, and volume. This effort resulted in the completion of a module consisting of a fully engineered printed circuit storage board populated with 5 of 8 possible cells and a wire wrapped electronics board. Interface of the module is 16 bits parallel at a maximum of 1.33 megabits per second data rate on either of two interface buses. (NTRL site)

Sound & Vibration
Scientific and Technical Aerospace Reports
Computer Vision - ACCV 2018
Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications
Second Chinese Conference, PRCV 2019, Xi'an, China, November 8-11, 2019, Proceedings, Part I
Third Chinese Conference, PRCV 2020, Nanjing, China, October 16-18, 2020, Proceedings, Part I

For a brief period, the attention of the international community has focused once again on the plight of religious minorities in Iraq, Syria, and Turkey. In particular, the abductions and massacres of Yazidis and Assyrians in the Sinjar, Mosul, Nineveh Plains, Baghdad, and Hasakah regions in 2007–2015 raised questions about the prevention of genocide. This book, while principally analyzing the Assyrian genocide of 1914–1925 and its implications for the culture and politics of the region, also raises broader questions concerning the future of religious diversity in the Middle East. It gathers and analyzes the findings of a broad spectrum of historical and scholarly works on Christian identities in the Middle East, genocide studies, international law, and the politics of the late Ottoman Empire, as well as the politics of the Ottomans' British and Russian rivals for power in western Asia and the eastern Mediterranean basin. A key question the book raises is whether the fate of the Assyrians maps onto any of the concepts used within international law and diplomatic history to study genocide and group violence. In this light, the Assyrian genocide stands out as being several times larger, in both absolute terms and relative to the size of the affected group, than the Srebrenica genocide, which is recognized by Turkey as well as by international tribunals and organizations, including its Armenian and Greek victims, the Ottoman Christian Genocide rivals the Rwandan, Bengali, and Biafran genocides. The book also aims to explore the impact of the genocide period of 1914–1925 on the development or partial unraveling of Assyrian group cohesion, including aspirations to autonomy in the Assyrian areas of northern Iraq, northwestern Iran, and southeastern Turkey. Scholars from around the world have collaborated to approach these research questions by reference to diplomatic and political archives, international legal materials, memoirs, and literary works.

This book constitutes the refereed proceedings of the 19th Iberoamerican Congress on Pattern Recognition, CIARP 2014, held in Puerto Vallarta, Jalisco, Mexico, in November 2014. The 115 papers presented were carefully reviewed and selected from 160 submissions. The papers are organized in topical sections on image coding, processing and analysis; segmentation, analysis of shape and texture; analysis of signal, speech and language; document processing and recognition; feature extraction, clustering and classification; pattern recognition and machine learning; neural networks for pattern recognition; computer vision and robot vision; video segmentation and tracking. Computers have had and will continue to have a tremendous impact on professional activity in almost all areas. This applies to radiological medicine and in particular to radiation therapy. This book compiles the most recent developments and results of the application of computers and computer science as presented at the XIIIth International Conference on the Use of Computers in Radiation Therapy in Heidelberg, Germany. The text of both oral presentations and posters is included. The book is intended for computer scientists, medical physicists, engineers and physicians in the field of radiation therapy and provides a comprehensive survey of the entire field.

Artificial Neural Networks and Machine Learning – ICANN 2019: Image Processing
Data Deduplication for High Performance Storage System
Bubble Memory Module
Systems and Applications
Computer Vision – ECCV 2018 Workshops
Munich, Germany, September 8-14, 2018, Proceedings, Part V
This book consists of papers on the recent progresses in the state of the art in natural computation, fuzzy systems and knowledge discovery. The book can be useful for researchers, including professors, graduate students, as well as R & D staff in the industry, with a general interest in natural computation, fuzzy systems and knowledge discovery. The work printed in this book was presented at the 2021 17th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery (ICNC-FSKD 2021, 24-26 July 2021, Guiyang, China). All papers were rigorously peer-reviewed by experts in the areas.
Including the latest Microsoft 365 features and enhanced support for Mac users, Cengage's Technology for Success and Illustrated Series Collection, Microsoft 365 & Office 2021, 1st edition, helps you quickly master the nuances of Microsoft Office. Its concise, student-friendly approach uses a proven two-page layout that allows you to work through an entire task without turning the page. Each module begins with a brief overview of the principles covered while large, full-color screen images illustrate what you see on your computer. Module Learning Objectives are mapped to Microsoft Office Specialist (MOS) certification objectives, and module scenarios are based on Burning Glass market insights data -- helping you sharpen the critical skills you need for academic and professional success. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Companion volume to Components and Sub-Assemblies Directory, providing access to 8000 manufacturers, agents and representatives of electronics systems and equipment. Entries include names of key managers, addresses, fax/telephone numbers, and pocket descriptions of manufacturing and sales programmes. There is also a product index to track the companies involved in any given business lines.
Simplifying Medical Ultrasound
Neural Information Processing
14th Asian Conference on Computer Vision, Perth, Australia, December 2–6, 2018, Revised Selected Papers, Part V
The 11th International Conference on Electronics, Communications and Networks (CECNet), November 18-21, 2021
CompTIA Security+ Guide to Network Security Fundamentals
28th International Conference on Artificial Neural Networks, Munich, Germany, September 17–19, 2019, Proceedings, Part III
This two volume set constitutes the refereed proceedings of the 14th EAI International Conference on Communications and Networking, ChinaCom 2019, held in November/December 2019 in Shanghai, China. The 81 papers presented were carefully selected from 162 submissions. The papers are organized in topical sections on Internet of Things (IoT), antenna, microwave and cellular communication, wireless communications and networking, network and information security, communication QoS, reliability and modeling, pattern recognition and image signal processing, and information processing. The three-volume set LNCS 12305, 12306, and 12307 constitutes the refereed proceedings of the Third Chinese Conference on Pattern Recognition and Computer Vision, PRCV 2020, held virtually in Nanjing, China, in October 2020. The 158 full papers presented were carefully reviewed and selected from 402 submissions. The papers have been organized in the following topical sections: Part I: Computer Vision and Application, Part II: Pattern Recognition and Application, Part III: Machine Learning. The six volume set LNCS 11361-11366 constitutes the proceedings of the 14th Asian Conference on Computer Vision, ACCV 2018, held in Perth, Australia, in December 2018. The total of 274 contributions was carefully reviewed and selected from 979 submissions during two rounds of reviewing and improvement. The papers focus on motion and tracking, segmentation and grouping, image-based modeling, deep learning, object recognition object recognition, object detection and categorization, vision and language, video analysis and event recognition, face and gesture analysis, statistical methods and learning, performance evaluation, medical image analysis, document analysis, optimization methods, RGBD and depth camera processing, robotic vision, applications of computer vision. The Assyrian Genocide
XIIIth International Conference Heidelberg, Germany May 22–25, 2000
16th International Symposium, ISVC 2021, Virtual Event, October 4–6, 2021, Proceedings, Part I
Advances in Visual Computing
Advances in Natural Computation, Fuzzy Systems and Knowledge Discovery
SV, Sound and Vibration
Mobile RoboticsAdvances in Visual Computing16th International Symposium, ISVC 2021, Virtual Event, October 4–6, 2021, Proceedings, Part ISpringer NatureTechnical Abstract BulletinNeural Information Processing28th International Conference, ICONIP 2021, Sanur, Bali, Indonesia, December 8–12, 2021, Proceedings, Part IISpringer Nature

This volume contains the proceedings of the International Conference on Sensors and Control Techniques, held in Wuhan, China, on 19-21 June 2000.
The four-volume proceedings LNCS 13108, 13109, 13110, and 13111 constitutes the proceedings of the 28th International Conference on Neural Information Processing, ICONIP 2021, which was held during December 8-12, 2021. The conference was planned to take place in Bali, Indonesia but changed to an online format due to the COVID-19 pandemic. The total of 226 full papers presented in these proceedings was carefully reviewed and selected from 1093 submissions. The papers were organized in topical sections as follows: Part I: Theory and algorithms; human centered computing; AI and cybersecurity; Part II: Theory and algorithms; human centered computing; AI and cybersecurity; Part III: Cognitive neurosciences; reliable, robust, and secure machine learning algorithms; theory and applications of natural computing paradigms; advances in deep and shallow machine learning algorithms for biomedical data and imaging; applications; Part IV: Applications.
National Library of Medicine Audiovisuals Catalog
Pattern Recognition and Computer Vision
IEEE Conference Publication
19th Iberoamerican Congress, CIARP 2014, Puerto Vallarta, Mexico, November 2-5, 2014, Proceedings
Embedded Core Design with FPGAs
Mobile Robotics
This IBM® Redpaper® publication provides a broad understanding of a new architecture of the IBM Power® E1080 (also known as the Power E1080) server that supports IBM AIX®, IBM i, and selected distributions of Linux operating systems. The objective of this paper is to introduce the Power E1080, the most powerful and scalable server of the IBM Power portfolio, and its offerings and relevant functions: Designed to support up to four system nodes and up to 240 IBM Power10™ processor cores The Power E1080 can be initially ordered with a single system node or two system nodes configuration, which provides up to 60 Power10 processor cores with a single node configuration or up to 120 Power10 processor cores with a two system nodes configuration. More support for a three or four system nodes configuration is to be added on December 10, 2021, which provides support for up to 240 Power10 processor cores with a full combined four system nodes server. Designed to supports up to 64 TB memory The Power E1080 can be initially ordered with the total memory RAM capacity up to 8 TB. More support is to be added on December 10, 2021 to support up to 64 TB in a full combined four system nodes server. Designed to support up to 32 Peripheral Component Interconnect® (PCIe) Gen 5 slots in a full combined four system nodes server and up to 192 PCIe Gen 3 slots with expansion I/O drawers The Power E1080 supports initially a maximum of two system nodes; therefore, up to 16 PCIe Gen 5 slots, and up to 96 PCIe Gen 3 slots with expansion I/O drawer. More support is to be added on December 10, 2021, to support up to 192 PCIe Gen 3 slots with expansion I/O drawers. Up to over 4,000 directly attached serial-attached SCSI (SAS) disks or solid-state drives (SSDs) Up to 1,000 virtual machines (VMs) with logical partitions (LPARs) per system System control unit, providing redundant system master Flexible Service Processor (FSP) Supports IBM Power System Private Cloud Solution with Dynamic Capacity This publication is for professionals who want to acquire a better understanding of Power servers. The intended audience includes the following roles: Customers Sales and marketing professionals Technical support professionals IBM Business Partners Independent software vendors (ISVs) This paper does not replace the current marketing materials and configuration tools. It is intended as an extra source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

This best-selling guide provides a complete, practical, up-to-date introduction to network and computer security. SECURITY+ GUIDE TO NETWORK SECURITY FUNDAMENTALS, FIFTH Edition, maps to the new CompTIA Security+ SY0-401 Certification Exam, providing thorough coverage of all domain objectives to help readers prepare for professional certification and career success. The text covers the essentials of network security, including compliance and operational security threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography. The extensively updated Fifth Edition features a new structure based on major domains, a new chapter dedicated to mobile device security, expanded coverage of attacks and defenses, and new and updated information reflecting recent developments and emerging trends in information security, such as virtualization. New hands-on and case activities help readers review and apply what they have learned, and end-of-chapter exercises direct readers to the Information Security Community Site for additional activities and a wealth of learning resources, including blogs, videos , and current news and information relevant to the information security field. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
DISCOVERING COMPUTERS: DIGITAL TECHNOLOGY, DATA, AND DEVICES, 17th edition, teaches you not only the basics of technology, but also how you will use it -- and the responsibilities that go along with being a digital citizen. Focusing on current technology, the content addresses convergence of devices and platforms. Each module integrates practical how-to tips, ethics issues and security topics, while Consider This boxes woven throughout help you sharpen your critical-thinking skills. In addition, a variety of end-of-module activities enable you to put what you learn into practice. Using an inviting approach that ensures understanding, DISCOVERING COMPUTERS equips you with the information you need for success at home, school and work. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
Communications and Networking
IBM Power E1080 Technical Overview and Introduction
Technical Abstract Bulletin
Proceedings of Share
Winter Waterfront : Year-round Use in Metropolitan Toronto
Jane's Space Directory
This book is a collection of selected papers presented at the First Congress on Intelligent Systems (CIS 2020), held in New Delhi, India during September 5 – 6, 2020. It includes novel and innovative work from experts, practitioners, scientists and decision-makers from academia and industry. It covers topics such as Internet of Things, information security, embedded systems, real-time systems, cloud computing, big data analysis, quantum computing, automation systems, bio-inspired intelligence, cognitive systems, cyber physical systems, data analytics, data/web mining, data science, intelligence for security, intelligent decision making systems, intelligent information processing, intelligent transportation, artificial intelligence for machine vision, imaging sensors technology, image segmentation, convolutional neural network, image/video classification, soft computing for machine vision, pattern recognition, human computer interaction, robotic devices and systems, autonomous vehicles, intelligent control systems, human motor control, game playing, evolutionary algorithms, swarm optimization, neural network, deep learning, supervised learning, unsupervised learning, fuzzy logic, rough sets, computational optimization, and neuro fuzzy systems.
This book constitutes the proceedings of the Second International Workshop on Advances in Simplifying Medical Ultrasound, ASMUS 2021, held on September 27, 2021, in conjunction with MICCAI 2021, the 24th International Conference on Medical Image Computing and Computer-Assisted Intervention. The conference was planned to take place in Strasbourg, France, but changed to an online event due to the Coronavirus pandemic. The 22 papers presented in this book were carefully reviewed and selected from 30 submissions. They were organized in topical sections as follows: segmentation and detection; registration, guidance and robotics; classification and image synthesis; and quality assessment and quantitative imaging.
The three-volume set LNCS 11857, 11858, and 11859 constitutes the refereed proceedings of the Second Chinese Conference on Pattern Recognition and Computer Vision, PRCV 2019, held in Xi'an, China, in November 2019. The 165 revised full papers presented were carefully reviewed and selected from 412 submissions. The papers have been organized in the following topical sections: Part I: Object Detection, Tracking and Recognition, Part II: Image/Video Processing and Analysis, Part III: Data Analysis and Optimization.
Computer Vision, Imaging and Computer Graphics Theory and Applications
AR 600-8-19 02/02/2015 ENLISTED PROMOTIONS AND REDUCTIONS , Survival Ebooks
14th EAI International Conference, ChinaCom 2019, Shanghai, China, November 29 – December 1, 2019, Proceedings, Part II
Proceedings of the ICNC-FSKD 2021
Technology for Success and Illustrated Series Collection, Microsoft 365 & Office 2021

The proceedings set LNCS 11727, 11728, 11729, 11730, and 11731 constitute the proceedings of the 28th International Conference on Artificial Neural Networks, ICANN 2019, held in Munich, Germany, in September 2019. The total of 277 full papers and 43 short papers presented in these proceedings was carefully reviewed and selected from 494 submissions. They were organized in 5 volumes focusing on theoretical neural computation; deep learning; image processing; text and time series; and workshop and special sessions. This book constitutes thoroughly revised and selected papers from the 15th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, VISIGRAPP 2020, held in Valletta, Malta, in February 2020. The 25 thoroughly revised and extended papers presented in this volume were carefully reviewed and selected from 455 submissions. The papers contribute to the understanding of relevant trends of current research on computer graphics; human computer interaction; information visualization; computer vision. The six-volume set comprising the LNCS volumes 11129-11134 constitutes the refereed proceedings of the workshops that took place in conjunction with the 15th European Conference on Computer Vision, ECCV 2018, held in Munich, Germany, in September 2018.43 workshops from 74 workshops proposals were selected for inclusion in the proceedings. The workshop topics present a good orchestration of new trends and traditional issues, built bridges into neighboring fields, and discuss fundamental technologies and novel applications. Official Gazette of the United States Patent and Trademark Office
Proceedings of CECNet 2021
Second International Workshop, ASMUS 2021, Held in Conjunction with MICCAI 2021, Strasbourg, France, September 27, 2021, Proceedings
Electronic Design
Government Reports Announcements & Index
Technology for Success: Computer Concepts
AR 600-8-19 02/02/2015 ENLISTED PROMOTIONS AND REDUCTIONS , Survival Ebooks

It is almost impossible to imagine life today without the electronics, communications and networks we have all come to take for granted. The 6G network is currently under development and some chips able to operate at the Terahertz (THz) scale have already been introduced, so the next decade will probably see the consolidation of 6G-based technology, as well as many compliant devices. This book presents the proceedings of the 11th International Conference on Electronics, Communications and Networks (CECNet 2021), initially planned to be held from 18-21 November 2021 in Beijing, China, but ultimately held as an online event due to ongoing COVID-19 restrictions. The CECNet series is now an established annual event attracting participants in the interrelated fields of electronics, computers, communications and wireless communications engineering and technology from around the world. Careful review by program committee members, who took into consideration the breadth and depth of those research topics that fall within the scope of CECNet, resulted in the selection of the 88 papers presented here from the 325 submissions received. This represents an acceptance rate of around 27%. Providing an overview of current research and developments in these rapidly evolving fields, the book will be of interest to all those working with digital communications networks.
28th International Conference, ICONIP 2021, Sanur, Bali, Indonesia, December 8 – 12, 2021, Proceedings, Part II
European Electronics Directory 1994
19-21 June 2000, Wuhan, China
Discovering Computers: Digital Technology, Data, and Devices, 17th edition
Patents
International Conference on Sensors and Control Techniques (ICSC 2000)