# Using The Sdram Memory On Altera S De2 Board With Verilog

Speed improvements in memory systems have not kept pace with the speed improvements of processors, leading to embedded systems whose performance is limited by the memory. This book presents design techniques for fast, energy-efficient and timing-predictable memory systems that achieve high performance and low energy consumption. In addition, the use of scratchpad memories significantly improves the timing predictability of the entire system, leading to tighter worst case execution time bounds.

Provides information on how to upgrade, maintain, and troubleshoot the hardware of laptop computers, discussing the differences among them as well as their various configuration options.

We are delighted to welcome readers to the proceedings of the 6th Pacific-Rim Conference on Multimedia (PCM). The first PCM was held in Sydney, Australia, in 2000. Since then, it has been hosted successfully by Beijing, China, in 2001, Hsinchu, Taiwan, in 2002, Singapore in 2003, and Tokyo, Japan, in 2004, and finally Jeju, one of the most beautiful and fantastic islands in Korea. This year, we accepted 181 papers out of 570 submissions including regular and special session papers. The acceptance rate of 32% indicates our commitment to ensuring a very high-quality conference. This would not be possible without the full support of the excellent Technical Committee and anonymous reviewers that provided timely and insightful reviews. We would therefore like to thank the Program Committee and all reviewers. The program of this year reflects the current interests of the PCM's. The accepted papers cover a range of topics, including, all aspects of multimedia, both technical and artistic perspectives and both theoretical and practical issues. The PCM 2005 program covers tutorial sessions and plenary lectures as well as regular presentations in three tracks of oral sessions and a poster session in a single track. We have tried to expand the scope of PCM to the artistic papers which need not to be strictly technical.

Go beyond computing basics with the award-winning NEW PERSPECTIVES ON COMPUTER CONCEPTS. Designed to get you up-to-speed on essential computer literacy skills, this market leading text goes deeper, providing technical and practical information relevant to everyday life. NEW PERSPECTIVES ON COMPUTER CONCEPTS 2014 incorporates significant technology trends that affect computing and everyday life; such as concerns for data security, personal privacy, online safety, controversy over digital rights management, interest in open source software and portable applications, and more. In addition, coverage of Microsoft Windows 8 and Office 2013 will introduce you to the exciting new features of Microsoft's next generation of software. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Embedded Computer Systems: Architectures, Modeling, and Simulation

Maximum PC

Memory Controllers for Mixed-Time-Criticality Systems

Optimization Algorithms for Memory Architecture Aware Compilation

**This book constitutes the refereed proceedings of the 9th International Workshop on Architectures, Modeling, and Simulation, SAMOS 2009, held on Samos, Greece, on July 20-23, 2009. The 18 regular papers presented were carefully reviewed and selected from 52 submissions. The papers are organized in topical sections on architectures for multimedia, multi/many cores architectures, VLSI architectures design, architecture modeling and exploration tools. In addition there are 14 papers from three special sessions which were organized on topics of current interest: instruction-set customization, reconfigurable computing and processor architectures, and mastering cell BE and GPU execution platforms.**

**Memory Controllers for Real-Time Embedded SystemsPredictable and Composable Real-Time SystemsSpringer Science & Business Media**

**Written in a straightforward, easy to read style, Rob Beales provides the knowledge and techniques needed to build, troubleshoot, and maintain personal computer systems. Divided into three parts, Part 1 forms an introduction to digital computers, leading the reader through the various parts of a modern PC system, including popular peripherals and networking concepts. Part 2 contains a step-by-step guide on the assembly and configuration of a complete state-of-the-art PC system, including a section on the use of important Windows 98 / ME / 2000 / XP applications and components. Part 3 covers preventative, predictive and corrective maintenance, based in typical current work practice – a major part of the IT practitioner's work schedule. Case Studies and practical worked examples are included throughout the text, with additional Case Studies, specifically aimed to meet the requirements of e-Quals courses on an accompanying website. Further web resources include key figures from the text available to download in full-colour, with a wealth of extra material covering Binary / Hex and basic logic functions; ASCII tables; Connector types and pinouts; Bus slots; RAM slots and further useful website links. Updated throughout in line with current technologies, the second edition is also designed to cover the latest specifications of BTEC National and City and Guilds e-Quals (400 and 500) courses, and the A+ certification, in addition to meeting the needs of the general PC user.**

**For the technological progress in communication technology it is necessary that the advanced studies in circuit and software design are accompanied with recent results of the technological research and physics in order to exceed its limitations. This book is a guide which treats many components used in mobile communications, and in particular focuses on non-volatile memories. It emerges following the conducting line of the non-volatile memory in the wireless system: On the one hand it develops the foundations of the interdisciplinary issues needed for design analysis and testing of the system. On the other hand it deals with many of the problems appearing when the systems are realized in industrial production. These cover the difficulties from the mobile system to the different types of non-volatile memories. The book explores memory cards, multichip technologies, and algorithms of the software management as well as error handling. It also presents techniques of assurance for the single components and a guide through the Datasheet lectures.**

**Real-Time Digital Signal Processing**

**CompTIA A+ 220-901 and 220-902 Cert Guide**

**CompTIA A+ 220-801 and 220-802 Cert Guide**

**PC Based Instrumentation and Control**

**A+ Exam Cram 2**

**PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.**

**This is an updated guide for anyone who needs an introduction to personal computer technology, including computer programming, new technologies and shopping for a PC.**

**Computer Structure and Logic Pearson Certification Team The place to start your computer career! Learn about computers and networks from the ground up! Learn about computers and networks from the ground up! Your first step toward certifications from CompTIA, Microsoft, or Cisco… absolutely no experience necessary! Explains every part of your computer and shows how each part works together Teaches simple troubleshooting and repair techniques Packed with real-world examples and case studies Master the basics and build your strong foundation for success! I/O: How information gets into and out of computers Motherboards and buses: How your computer's parts are connected CPU: How your computer's "brain" works—and how to install and troubleshoot it Memory and storage: The types you need and how to install them Bootup: How your computer starts, what can go wrong, and how to fix it Operating systems: The basics of Windows, Mac OS X, and Linux Basic security: Protecting your data, connections, and computer Troubleshooting: The tools and methods every good PC technician must know Networks and the Internet: How they work, how they communicate, and how to connect to them Test your knowledge, gain confidence, and succeed! More than 150 questions, with clear explanations of every answer!**

**Use your Raspberry Pi to get smart about computing fundamentals In the 1980s, the tech revolution was kickstarted by a flood of relatively inexpensive, highly programmable computers like the Commodore. Now, a second revolution in computing is beginning with the Raspberry Pi. Learning Computer Architecture with the Raspberry Pi is the premier guide to understanding the components of the most exciting tech product available. Thanks to this book, every Raspberry Pi owner can understand how the computer works and how to access all of its hardware and software capabilities. Now, students, hackers, and casual users alike can discover how computers work with Learning Computer Architecture with the Raspberry Pi. This book explains what each and every hardware component does, how they relate to one another, and how they correspond to the components of other computing systems. You'll also learn how programming works and how the operating system relates to the Raspberry Pi's physical components. Co-authored by Eben Upton, one of the creators of the Raspberry Pi, this is a companion volume to the Raspberry Pi User Guide An affordable solution for learning about computer system design considerations and experimenting with low-level programming Understandable descriptions of the functions of memory storage, Ethernet, cameras, processors, and more Gain knowledge of computer design and operation in general by exploring the basic structure of the Raspberry Pi The Raspberry Pi was created to bring forth a new generation of computer scientists, developers, and architects who understand the inner workings of the computers that have become essential to our daily lives. Learning Computer Architecture with the Raspberry Pi is your gateway to the world of computer system design.**

**Peter Norton's New Inside the PC**

**Memories in Wireless Systems**

**Upgrading and Repairing PCs**

**Comp A+ 2209 220 CG ePub _4**

**Advances in Multimedia Information Processing - PCM 2005**

A+ Exam Cram 2 is a study skill enhancement and tutorial, designed to focus on exactly what students need to get A+ certified, with coverage of exams 220-221 and 220-222. It details all the new exam objectives and items in the following areas: Windows 98, Windows 2000, and Windows NT version 4.0. Because the A+ certification is a core competency of the MCSA program, this book is also helpful for those who are seeking their MCSA certification. This book is not intended to teach new material. Instead it assumes that you have a solid foundation of knowledge but can use a refresher on important concepts as well as a guide to exam topics and objectives. This book focuses exactly on what you need to pass the exam - it features test-taking strategies, time-saving study tips, and a special Cram Sheet that includes tips, acronyms, and memory joggers not available anywhere else. The series is supported online at several Web sites: examcram.com, informit.com, and cramsession.com. The accompanying CD features PrepLogic(TM) Practice Tests, Preview Edition. This product includes one complete PrepLogic Practice Test with approximately the same number of questions found on the actual vendor exam. Each question contains full, detailed explanations of the correct and incorrect answers. The engine offers two study modes, Practice Test and Flash Review, full exam customization, and a detailed score report.

Maximum PC is the magazine that every computer fanatic, PC gamer or content creator must read. Each and every issue is packed with punishing product reviews, insightful and innovative how-to stories and the illuminating technical articles that enthusiasts crave.

CompTIA A+ 220-901 and 220-902 Cert Guide, is a comprehensive guide to the new A+ exams from CompTIA from one of the leading A+ Certification authors. With over 15 years of experience in developing CompTIA A+ Certification content and 30 years of experience in the computer field, Mark teaches you not just what you need to pass the exams, but also what you need to know to apply your knowledge in the real world. This book is rich with learning and exam preparation features: Hands-on lab exercises Real-world test preparation advice This is the eBook edition of the CompTIA A+ 220-901 and 220-902 Cert Guide. This eBook does not include the practice exam that comes with the print edition. CompTIA A+ 220-901 and 220-902 Cert Guide, is a comprehensive guide to the new A+ exams from CompTIA from one of the leading A+ Certification authors. With over 15 years of experience in developing CompTIA A+ Certification content and 30 years of experience in the computer field, Mark teaches you not just what you need to pass the exams, but also what you need to know to apply your knowledge in the real world. This book is rich with learning and exam preparation features: Hands-on lab exercises Real-world test preparation advice This is the eBook edition of the CompTIA A+ 220-901 and 220-902 Cert Guide. This eBook does not include the practice exam that comes with the print edition. Each chapter takes a ground-up approach - starting with the essentials and gradually building to larger, more complex concepts. Regardless of your level of experience, from beginner to expert, this book helps you improve your knowledge and skills. Loaded with informative illustrations, photos and screen captures that help readers follow along, the book also includes access to bonus content including a handy objectives index that maps each test objective to the section of the book in which that objective is covered. This invaluable tool will help readers be certain that they are ready for test day! This study guide helps you master all the topics on the new A+ 901 and 902 exams, including Motherboards, processors, RAM, and BIOS Power supplies and system cooling I/O, input ports, and devices Video displays and video cards Customized PCs Laptops, mobile and wearable devices Printers Storage devices including SSDs Installing, using, and troubleshooting Windows, Linux, and OS X Virtualization Networking Security Operational procedures and communications methods

This is the eBook version of the print title. Access to the media files found on the DVD included with print editions included with Upgrading and Repairing PCs, 21 Edition, is available through product registration—see instructions in back pages of your eBook. For 25 years, Upgrading and Repairing PCs has been the world's #1 guide to PC hardware: The single source for reliable information on troubleshooting and fixing problems, adding hardware, optimizing performance, and building new PCs. Now, better than ever, this 21st edition offers beefed-up coverage of the newest hardware innovations and maintenance techniques, plus more than two hours of new DVD video. Scott Mueller delivers practical answers about PC processors, mother-boards, buses, BIOSes, memory, SSD and HDD storage, video, audio, I/O, input devices, networks, Internet connectivity, power, and much more. You'll find the industry's best coverage of diagnostics, testing, and repair—plus cutting-edge discussions of improving performance via overclocking and other techniques. NEW IN THIS EDITION • The newest processors, including Intel's 3rd generation Ivy Bridge Core i-Series processors and AMD's 2nd generation Trinity CPUs • 3TB (and larger) disks, 4K sectoring, partition alignment, faster SATA disk interfaces, and SSD (solid state drive) hard drive replacements • New firmware innovations, from full UEFI BIOS support to built-in motherboard flash BIOS upgrade utilities • Integrated video and audio, including 5.1/7.1 surround sound, HDMI, and DisplayPort connections, and Windows 8 compatible multi-touch touchscreen technology • Updated PCI Express 3.0, 4.0 interfaces, and Power Supply specifications for powering high-end video cards • Emerging interfaces such as SATA Express, USB 3.0, and Thunderbolt • Updated coverage of building PCs from scratch—from choosing and assembling hardware through BIOS setup and troubleshooting INCLUDED MEDIA Don't forget about the free bonus content available online! You'll find a cache of helpful material to go along with this book. To access these materials at no extra cost, see the instructions included in the back pages of this ebook. You will be required to register your book and supply a code found in the instructions. Download two hours of up-to-the minute, studio-quality how-to videos—all playable on your computer! In this edition, Scott Mueller offers true insider information about several of the key components in a PC, including motherboards, solid-state drives, and more. You also can download PDFs of the complete 19th and 20th editions of this book.

Implementations and Applications

InfoWorld

Designing Double Data Rate Synchronous Dynamic Random Access Memory Memory Controller with Xilinx Virtex-II FPGAs

Manual of Geospatial Science and Technology

Architectures, Methodologies and Trade-offs

Comprehensive guides to the latest Beowulf tools and methodologies. Beowulf clusters, which exploit mass-market PC hardware and software in conjunction with cost-effective commercial network technology, are becoming the platform for many scientific, engineering, and commercial applications. With growing popularity has come growing complexity. Addressing that complexity, Beowulf Cluster Computing with Linux and Beowulf Cluster Computing with Windows provide system users and administrators with the tools they need to run the most advanced Beowulf clusters. The book is appearing in both Linux and Windows versions in order to reach the entire PC cluster community, which is divided into two distinct camps according to the node operating system. Each book consists of three stand-alone parts. The first provides an introduction to the underlying hardware technology, assembly, and configuration. The second part offers a detailed presentation of the major parallel programming librairies. The third, and largest, part describes software infrastructures and tools for managing cluster resources. This includes some of the most popular of the software packages available for distributed task scheduling, as well as tools for monitoring and administering system resources and user accounts. Approximately 75% of the material in the two books is shared, with the other 25% pertaining to the specific operating system. Most of the chapters include text specific to the operating system. The Linux volume includes a discussion of parallel file systems.

Professionals in local and national government and in the private sector frequently need to draw on Geographical Information Systems (GIS), Remote Sensing (RS) and Global Positioning Systems (GPS), often in an integrated manner. This manual shows a hands-on operator how to work across the range of geospatial science and technology, whether as a use

Discover a modern introduction to computer concepts with UNDERSTANDING COMPUTERS: TODAY AND TOMORROW, COMPREHENSIVE, 16E. Known for a unique emphasis on societal issues and industry insights from respected leaders, this book provides reliable information to help readers learn about emerging technologies that may impact the way industries conduct business in the future. Readers become familiar with exciting technology developments and take a sneak peek at the future of modular smartphones, smartphone driver licenses, robot butlers and other robotic assistants, perceptual computing, smart clothes, 4K video, and emerging networking standards. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This step-by-step, highly visual text provides you with a comprehensive introduction to managing and maintaining computer hardware. Written by best-selling author and educator Jean Andrews, A+ GUIDE TO HARDWARE, Sixth Edition closely integrates the CompTIA A+ Exam objectives to prepare you for the hardware portions of the 220-801 and 220-802 certification exams. The new Sixth Edition also features extensive updates to reflect current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair. Each chapter covers both core concepts and advanced topics, organizing material to facilitate practical application and encourage you to learn by doing. Supported by a wide range of supplemental resources to enhance learning–including innovative tools, interactive exercises and activities, and online study guides–this proven text offers an ideal way to prepare you for success as a professional PC repair technician. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

7th International Euro-Par Conference Manchester, UK August 28-31, 2001 Proceedings

Learning Computer Architecture with Raspberry Pi

Official Gazette of the United States Patent and Trademark Office

Predictable and Composable Real-Time Systems

10th International Conference, IACC 2020, Panaji, Goa, India, December 5-6, 2020, Revised Selected Papers, Part II

*Verification of real-time requirements in systems-on-chip becomes more complex as more applications are integrated. Predictable and composable systems can manage the increasing complexity using formal verification and simulation. This book explains the concepts of predictability and composability and shows how to apply them to the design and analysis of a memory controller, which is a key component in any real-time system.*

*Explains how to upgrade and repair processors, memory, connections, drives, multimedia cards, and peripherals.*

*Enabling technologies - An overview of cluster computing / Thomas Sterling / - Node Hardware / Thomas Sterling / - Linux / Peter H. Beckman / - Network Hardware / Thomas Sterling / - Network Software / Thomas Sterling / - Setting Up clusters : installation and configuration - How fast is my beowulf? / David Bailey / - Parallel*

*programming / - Parallel programming with MPI / William Gropp / - Advanced topics in MPI programming / William Gropp / - Parallel programming with PVM / Al Geist / - Fault-tolerant and adaptive programs with PVM / Al Geist / - Managing clusters / - Cluster workload management / James Patton Jones / - Condor : a distributed job scheduler / - Maui scheduler : A multifunction cluster scheduler / David B. Jackson / - PBS : portable batch system / James Patton Jones / - PVFS : parallel virtual file system / Walt Ligon / - Chiba city : the Argonne scalable cluster.*

*This book discusses the design and performance analysis of SDRAM controllers that cater to both real-time and best-effort applications, i.e. mixed-time-criticality memory controllers. The authors describe the state of the art, and then focus on an architecture template for reconfigurable memory controllers that addresses effectively the quickly evolving set of SDRAM standards, in terms of worst-case timing and power analysis, as well as implementation. A prototype implementation of the controller in SystemC and synthesizable VHDL for an FPGA development board are used as a proof of concept of the architecture template.*

*Euro-Par 2001 Parallel Processing*

*Upgrading and Repairing Laptops*

*A+ Guide to Hardware*

*Understanding Computers: Today and Tomorrow, Comprehensive*

*Fix Your Own PC*

Learn, prepare, and practice for CompTIA A+ 220-801 and 220-802 exam success with this CompTIA Authorized Cert Guide from Pearson IT Certification, a leader in IT Certification learning and a CompTIA Authorized Platinum Partner. This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Access to the beep codes, memory tables, and a glossary is available through product registration at Pearson IT Certification; or see instructions in the back pages of your eBook. Master CompTIA A+ 220-801 and 220-802 exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks Limited Time Offer: Buy CompTIA A+ 220-801 and 220-802 Authorized Cert Guide and receive a 10% off discount code for the CompTIA A+ 220-801 and 220-802 exams. To receive your 10% off discount code: Register your product at pearsonITcertification.com/register When prompted enter ISBN number 9780789748508 Go to your Account page and click on “Access Bonus Content” CompTIA A+ 220-801 and 220-802 Authorized Cert Guide is a best-of-breed study guide. Best-selling authors and expert instructors Mark Soper, Scott Mueller, and David Prowse help you master all the topics you need to know to succeed on your CompTIA 220-801 and 220-802 exams and move into a successful career as an IT technician. Every feature of this book is designed to support both efficient exam preparation and long-term mastery: Includes coverage of the new performance based questions Opening Topics Lists define the topics you’ll need to learn in each chapter, including a list of the official exam objectives covered in that chapter Exam Preparation Tasks include reviewing key topics, completing memory tables, defining key terms, working through scenarios, and answering review questions-all designed to help you go beyond simple facts to make sure you master concepts crucial to both passing the exam and enhancing your career Key Terms defined in a complete glossary explain all the field’s essential terminology The eBook includes access to sample beep codes to help you learn about these valuable troubleshooting tools, memory tables, and the glossary, all in searchable PDF format. Go to the back pages of your eBook for instructions on how to access this content. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this CompTIA authorized study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The CompTIA authorized study guide helps you master all the topics on the A+ exam, including Motherboards, processors, RAM, and BIOS Power supplies and system cooling I/O, input ports, and devices Video displays and video cards Customized PCs Laptops and mobile devices Printers Storage devices Installing, using, and troubleshooting Windows Virtualization Networking Security Operational procedures and communications methods

Writing Fast Programs" provides the basic elements of code optimization and provides strategies for reducing bottlenecks in practical simulation and numerical modeling code. The target audience is scientists and engineers and students in these fields. One pre-publication reviewer called this a much-needed intermediate text to bridge the gap between existing introductory and more advance programming books aimed at scientists. "Writing Fast Programs" does not teach basic programming; some programming proficiency is assumed, along with familiarity with the basic programming terminology. Code examples are presented in C, but BASIC (as a convenient pseudo-language) examples are provided for those not familiar with C. In general, the strategies presented are not language specific and should therefore benefit a wide programming audience. For example, similar techniques have been discussed for Java.

Euro-Par - the European Conference on Parallel Computing - is an international conference series dedicated to the promotion and advancement of all aspects of parallel computing. The major themes can be divided into the broad categories of hardware, software, algorithms, and applications for parallel computing. The objective of Euro-Par is to provide a forum within which to promote the dev- opment of parallel computing both as an industrial technique and an academic discipline, extending the frontiers of both the state of the art and the state of the practice. This is particularlyimportant at a time when parallel computing is undergoing strong and sustained development and experiencing real ind- trial take up. The main audience for and participants in Euro-Par are seen as researchers in academic departments, government laboratories, and industrial organisations. Euro-Par aims to become the primarychoice of such professionals for the presentation of new results in their speci?c areas. Euro-Par is also int- ested in applications that demonstrate the e?ectiveness of the main Euro-Par themes. Euro-Par has its own Internet domain with a permanent web site where the historyof the conference series is described: http://www. euro-par. org. The Euro-Par conference series is sponsored bythe Association of Computer Machineryand the International Federation of Information Processing. Euro-Par 2001 Euro-Par 2001 was organised bythe Universityof Manchester and UMIST.

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

6th Pacific Rim Conference on Multimedia, Jeju Island, Korea, November 11-13, 2005, Proceedings, Part I

Windows 2000 Directory Services Infrastructure

Advanced Computing

Design SDRAM Memory Controller Architecture Using VHDL

A Practical Guide for Scientists and Engineers

*PC Based Instrumentation and Control is a guide to implementing computer control, instrumentation and data acquisition using a standard PC and some of the more traditional computer languages. Numerous examples of configurations and working circuits, as well as representative software, make this a practical, hands-on guide to implementing PC-based testing and calibration systems and increasing efficiency without compromising quality or reliability. Guidance is given on modifying the circuits and software routines to meet the reader's specific needs. The third edition includes updated coverage of PC hardware and bus systems, a new chapter on virtual instruments and an introduction to programming and software development in a modern 32-bit environment. Additional examples have been included, with source code and executables available for download from the companion website www.key2control.com.*

*Here is a laboratory workbook filled with interesting and challenging projects for digital logic design and embedded systems classes. The workbook introduces you to fully integrated modern CAD tools, logic simulation, logic synthesis using hardware description languages, design hierarchy, current generation field programmable gate array technology, and SoPC design. Projects cover such areas as serial communications, state machines with video output, video games and graphics, robotics, pipelined RISC processor cores, and designing computer systems using a commercial processor core.*

*This two-volume set (CCIS 1367-1368) constitutes reviewed and selected papers from the 10th International Advanced Computing Conference, IACC 2020, held in December 2020. The 65 full papers and 2 short papers presented in two volumes were thorougly reviewed and selected from 286 submissions. The papers are organized in the following topical sections: Application of Artificial Intelligence and Machine Learning in Healthcare; Using Natural Language Processing for Solving Text and Language related Applications; Using Different Neural Network Architectures for Interesting applications; Using AI for Plant and Animal related Applications.- Applications of Blockchain and IoT.- Use of Data Science for Building Intelligence Applications; Innovations in Advanced Network Systems; Advanced Algorithms for Miscellaneous Domains; New Approaches in Software Engineering.*

*Xcode Tools Sensei (First Edition)*

*Fast, Efficient and Predictable Memory Accesses*

*Writing Fast Programs*

*Rapid Prototyping of Digital Systems*

*Beowulf Cluster Computing with Linux*