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KEY=B - WILLIAMSON CANTRELL

THE INTEL MICROPROCESSORS

8086/8088, 80186/80188, 80286, 80386, 80486, PENTIUM, PENTIUM PRO PROCESSOR, PENTIUM II, PENTIUM III, AND PENTIUM 4 : ARCHITECTURE, PROGRAMMING AND INTERFACING

"Intel microprocessors have gained wide application in many areas of electronic communications, control systems, and desktop computer systems. This practical text is written for anyone who requires or desires a thorough knowledge of microprocessor programming and interfacing."-back cover.

THE ADVANCED INTEL MICROPROCESSORS

80286, 80386, AND 80486

Merrill Publishing Company Presents programming, interfacing and applications for the 80286, 80386 and 80486 Intel microprocessors. This text is organized into two parts - the microprocessor as a programmable device and the microprocessor within its environment.

THE INTEL MICROPROCESSORS

8086/8088, 80186/80188, 80286, 80386, 80486, PENTIUM, PENTIUM PRO, AND PENTIUM II PROCESSORS : ARCHITECTURE, PROGRAMMING, AND INTERFACING

Keeping readers on the forefront of technology, this timely book offers a practical reference to all programming and interfacing aspects of the popular Intel family of microprocessors. Organized in an orderly and manageable format that stimulates and challenges understanding, the book contains numerous example programs using the Microsoft Macro Assembler program, and provides a thorough description of each Intel family member, memory systems, and various I/O systems. Topics include an introduction to the microprocessor and computer; the microprocessor and its architecture; addressing modes; data movement instructions; arithmetic and logic instructions; program control instructions; programming the microprocessor; using assembly language with c/c++; 8086/8088 hardware specifications; memory interface; basic I/O interface; interrupts; direct memory access and dma-controlled I/O; the arithmetic coprocessor and mmx technology; bus interface; the 80186, 80188, and 80286 microprocessor; the 80386 and 80468 microprocessors; the Pentium and Pentium pro microprocessors; and the Pentium ii microprocessor. For those interested in the electrical engineering, electronic engineering technology, microprocessor software or microprocessor interfacing aspects of the Intel family of microprocessors.

MICROPROCESSORS AND PERIPHERALS

HARDWARE, SOFTWARE, INTERFACING, AND APPLICATIONS

Prentice Hall

THE 8085A MICROPROCESSOR

SOFTWARE, PROGRAMMING, AND ARCHITECTURE

Prentice Hall The new second edition presents the fundamental software and hardware needed to begin understanding the 8-bit chip. Coverage prepares readers for all aspects of microprocessors, beginning with the necessary 8-bit chip format and concluding with the faster 16-bit and 32-bit chips, including new coverage of parallel and serial data, an overview of the 8086/8088 family of microprocessors, and many more programming examples.

PC-BASED INSTRUMENTATION

CONCEPTS AND PRACTICE

PHI Learning Pvt. Ltd. This well-organized book is intended for the undergraduate students of Electrical, Electronics and Communications, Computer, Instrumentation and Instrumentation and Control Engineering; and postgraduate students of science in Electronics, Physics and Instrumentation. Data acquisition being the core of all PC-based measurements and control instrumentation systems engineering, this book presents detailed discussions on PC bus based data acquisition, remote data acquisition, GPIB data acquisition and networked data acquisition configurations. This book also describes sensors, signal-conditioning and principles of PC-based data acquisition. It provides several latest and advanced techniques. This book stresses the need for understanding the use of Personal Computers in measurement and control instrumentation applications. **KEY FEATURES :**

- Provides several laboratory experiments to help the readers to gain hands-on experience in PC-based measurement and control.
- Provides a number of review questions/problems (with solutions to the odd numbered problems) and objective type questions with solutions.
- Presents a number of working circuits, design and programming examples.
- Presents comparison of properties, features and characteristics of different bus systems, interface standards, and network protocols.
- Includes the advanced techniques such as sigma-delta converter, RS-485, I2C bus, SPI bus, FireWire, IEEE-488.2, SCPI and Fieldbus standards.

THE INTEL 32-BIT MICROPROCESSORS

80386, 80486, AND PENTIUM MICROPROCESSORS

Pearson College Division Coverage first concentrates on real-mode assembly language programming compatible with all versions of the Intel microprocessor family, and compares and contrasts advanced family member with the foundational 8086/8088. This building block presentation is effective because the Intel family units are so similar that learning advanced versions is easy once the basics are understood.

BIBLIOGRAPHIC GUIDE TO COMPUTER SCIENCE

PENTIUM PRO AND PENTIUM II SYSTEM ARCHITECTURE

Addison-Wesley Professional With nearly 50,000 copies sold since its 1997 release, "Pentium Pro Processor System Architecture" is now updated in a second edition to include the Pentium II processor and MMX technology. The Pentium II processor adds MMX technology, which consists of 57 new instructions designed to enrich and accelerate multimedia and communications.

THE 8088 AND 8086 MICROPROCESSORS

PROGRAMMING, INTERFACING, SOFTWARE, HARDWARE, AND APPLICATIONS : INCLUDING THE 80286, 80386, 80486, AND THE PENTIUM PROCESSORS

Pearson College Division

AMERICAN BOOK PUBLISHING RECORD

BPR ANNUAL CUMULATIVE

THE 8086 MICROPROCESSOR

PROGRAMMING AND INTERFACING THE PC

Delmar Pub Intended for the beginning programming student taking the first course on the 8086, a 16-bit microprocessor manufactured by Intel. It serves as a companion text to Ayala's *The 8051 Microcontroller: Architecture, Programming, and Applications*, 2nd (1997). The text has a software programming emphasis and focuses on assembly language geared to IBM PCs. Digital logic design or basic binary fundamentals are prerequisites, but no prior study of computers or assembly language is necessary. ALSO AVAILABLE INSTRUCTOR SUPPLEMENTS CALL CUSTOMER SUPPORT TO ORDER *Transparency Masters*, ISBN: 0-314-05764-1

PROGRAMMING THE 80286, 80386, 80486, AND PENTIUM-BASED PERSONAL COMPUTER

Macmillan Publishing Company Designed for use on advanced architecture courses, this is a practical reference text for anyone interested in assembly language programming and, more specifically, the configuration and programming of the Intel-based personal computer. Coverage includes both a concise presentation of assembly language programming for the beginner and a complete study of advanced topics. A disk containing many of the more advanced versions of the example programs is included with the text. This disk contains the unassembled source files of many of the example programs. It also contains a macro include file that eases the task of assembly language programming by providing macros that perform most of the I/O tasks associated with assembly language programming.

MICROPROCESSORS

THE 8086/8088, 80186/80286, 80386/80486 AND THE PENTIUM FAMILY

PHI Learning Pvt. Ltd. This comprehensive text provides an easily accessible introduction to the principles and applications of microprocessors. It explains the fundamentals of architecture, assembly language programming, interfacing, and applications of Intel's 8086/8088 micro-processors, 8087 math coprocessors, and 8255, 8253, 8251, 8259, 8279 and 8237 peripherals. Besides, the book also covers Intel's 80186/80286, 80386/80486, and the Pentium family micro-processors. The book throughout maintains an appropriate balance between the basic concepts and the skill sets needed for system design. A large number of solved examples on assembly language programming and interfacing are provided to help the students gain an insight into the topics discussed. The book is eminently suitable for undergraduate students of Electrical and Electronics Engineering, Electronics and Communication Engineering, Electronics and Instrumentation Engineering, Computer Science and Engineering, and Information Technology.

8086/8088, 80286, 80386, AND 80486 ASSEMBLY LANGUAGE PROGRAMMING

Prentice Hall

MECHATRONICS

ELECTRONIC CONTROL SYSTEMS IN MECHANICAL ENGINEERING

Prentice Hall "The integration of electronic engineering, electrical engineering, computer technology and control engineering with mechanical engineering -- mechatronics -- now forms a crucial part in the design, manufacture and maintenance of a wide range of engineering products and processes. This book provides a clear and comprehensive introduction to the application of electronic control systems in mechanical and electrical engineering. It gives a framework of knowledge that allows engineers and technicians to develop an interdisciplinary understanding and integrated approach to engineering. This second edition has been updated and expanded to provide greater depth of coverage." -- Back cover.

SUBJECT GUIDE TO BOOKS IN PRINT

INSIDE THE MACHINE

AN ILLUSTRATED INTRODUCTION TO MICROPROCESSORS AND COMPUTER ARCHITECTURE

No Starch Press *Om hvordan mikroprocessorer fungerer, med undersøgelse af de nyeste mikroprocessorer fra Intel, IBM og Motorola.*

COMPUTER ORGANIZATION & ARCHITECTURE 7E

Pearson Education India

EMBEDDED COMPUTING

A VLIW APPROACH TO ARCHITECTURE, COMPILERS AND TOOLS

Elsevier The fact that there are more embedded computers than general-purpose computers and that we are impacted by hundreds of them every day is no longer news. What is news is that their increasing performance requirements, complexity and capabilities demand a new approach to their design. Fisher, Faraboschi, and Young describe a new age of embedded computing design, in which the processor is central, making the approach radically distinct from contemporary practices of embedded systems design. They demonstrate why it is essential to take a computing-centric and system-design approach to the traditional elements of nonprogrammable components, peripherals, interconnects and buses. These elements must be unified in a system design with high-performance processor architectures, microarchitectures and compilers, and with the compilation tools, debuggers and simulators needed for application development. In this landmark text, the authors apply their expertise in highly interdisciplinary hardware/software development and VLIW processors to illustrate this change in embedded computing. VLIW architectures have long been a popular choice in embedded systems design, and while VLIW is a running theme throughout the book, embedded computing is the core topic. Embedded Computing examines both in a book filled with fact and opinion based on the authors many years of R&D experience. · Complemented by a unique, professional-quality embedded tool-chain on the authors' website, <http://www.vliw.org/book> · Combines technical depth with real-world experience · Comprehensively explains the differences between general purpose computing systems and embedded systems at the hardware, software, tools and operating system levels. · Uses concrete examples to explain and motivate the trade-offs.

EMBEDDED CONTROLLERS

80186, 80188, AND 80386EX

Pearson College Division This is the first book that deals with the programming and interfacing aspects of the embedded microprocessor family that has gained wide application in many areas of electronics, communications, and control systems. The book uses the Microsoft Macro assembler program (MASM) that develops many example programming applications using not only the 80186/80188 and 80386EX, but all the Intel family members from the 80486 through the Pentium Pro processor and contains hundreds of applications that can be executed on the personal computer.

THE Z80 MICROPROCESSOR

HARDWARE, SOFTWARE, PROGRAMMING, AND INTERFACING

Prentice Hall

THE X86 MICROPROCESSORS: ARCHITECTURE AND PROGRAMMING (8086 TO PENTIUM)

Pearson Education India

MICROPROCESSOR/HARDWARE INTERFACING AND APPLICATIONS

Merrill Publishing Company

APPLYING PIC18 MICROCONTROLLERS

ARCHITECTURE, PROGRAMMING, AND INTERFACING USING C AND ASSEMBLY

Prentice Hall *"Microcontrollers are used in a wide variety of applications in automobiles, appliances, industrial controls, medical equipment, and other applications. This textbook provides a comprehensive examination of the architecture, programming, and interfacing of this modern marvel, focusing specifically on the Microchip PIC18 family of microcontrollers."*--Back cover.

ADVANCED MICROPROCESSORS & PERIPHERALS

Tata McGraw-Hill Education

THE BRITISH NATIONAL BIBLIOGRAPHY

MICROPROCESSORS AND INTERFACING

OUP India *Microprocessors and Interfacing is a textbook for undergraduate engineering students who study a course on various microprocessors, its interfacing, programming and applications.*

MICROPROCESSORS & MICROCONTROLLERS

Tata McGraw-Hill Education

MICROPROCESSOR 8085 AND ITS INTERFACING

PHI Learning Pvt. Ltd.

MICROPROCESSORS AND MICROCOMPUTERS

HARDWARE AND SOFTWARE

Prentice Hall

BOOKS IN PRINT SUPPLEMENT

INTELLIGENT AND INTERACTIVE COMPUTING

PROCEEDINGS OF IIC 2018

Springer *This book presents the latest research on computational approaches to learning. It includes high-quality peer-reviewed papers from the "Intelligent and Interactive Computing Conference (IIC 2018)" organized by the Universiti Teknikal Malaysia, Melaka. It uses empirical studies, theoretical analysis, and comparisons with psychological phenomena to show how learning methods can be employed to solve important application problems. The book also describes ongoing research in various research labs, universities and institutions, which may lead to the development of marketable products.*

MICROPROCESSORS AND INTERFACING

PROGRAMMING AND HARDWARE

McGraw-Hill/Glencoe

POWER ELECTRONICS HANDBOOK

COMPONENTS, CIRCUITS AND APPLICATIONS

Elsevier Power Electronics Handbook: Components, Circuits, and Applications is a collection of materials about power components, circuit design, and applications. Presented in a practical form, theoretical information is given as formulae. The book is divided into three parts. Part 1 deals with the usual components found in power electronics such as semiconductor devices and power semiconductor control components, their electronic compatibility, and protection. Part 2 tackles parts and principles related to circuits such as switches; link frequency chargers; converters; and AC line control, and Part 3 covers the applications for semiconductor circuits. The text is recommended for engineers and electricians who need a concise and easily accessible guide on power electronics.

MICROPROCESSORS AND MICROCOMPUTER-BASED SYSTEM DESIGN

CRC Press Microprocessors and Microcomputer-Based System Design, Second Edition, builds on the concepts of the first edition. It discusses the basics of microprocessors, various 32-bit microprocessors, the 8085 microprocessor, the fundamentals of peripheral interfacing, and Intel and Motorola microprocessors. This edition includes new topics such as floating-point arithmetic, Program Array Logic, and flash memories. It covers the popular Intel 80486/80960 and Motorola 68040 as well as the Pentium and PowerPC microprocessors. The final chapter presents system design concepts, applying the design principles covered in previous chapters to sample problems.

THE Z80 MICROPROCESSOR

ARCHITECTURE, INTERFACING, PROGRAMMING, AND DESIGN

Macmillan College This book provides comprehensive coverage of the Z80 microprocessor, carefully integrating hardware and software topics with practical laboratory exercises. The book provides a complete, easy-to-understand introduction to the architecture and interfacing of microprocessor-based systems, assembly language programming the Z80, interfacing peripherals, programmable I/O devices, applications, and design and more.

FORTHCOMING BOOKS

8085 MICROPROCESSOR

PROGRAMMING AND INTERFACING

PHI Learning Pvt. Ltd. This up-to-date and contemporary book is designed as a first level undergraduate text on micro-processors for the students of engineering (computer science, electrical, electronics, telecommunication, instrumentation), computer applications and information technology. It gives a clear exposition of the architecture, programming and interfacing and applications of 8085 microprocessor. Besides, it provides a brief introduction to 8086 and 8088 Intel microprocessors. The book focusses on : microprocessors starting from 4004 to 80586. instruction set of 8085 microprocessor giving the clear picture of the operations at the machine level. the various steps of the assembly language program development cycle. the hardware architecture of microcomputer built with the 8085 microprocessor. the role of the hardware interfaces: memory, input/output and interrupt, in relation to overall microcomputer system operation. peripheral chips such as 8255, 8253, 8259, 8257 and 8279 to interface with 8085 microprocessor and to program it for different applications.

THE MOTOROLA MICROPROCESSOR FAMILY

68000, 68008, 68010, 68020, 68030, AND 68040 : PROGRAMMING AND INTERFACING WITH APPLICATIONS

Harcourt School