The 68000 Microprocessor: Hardware and Software Principles and Applications

James L. Antonakos

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The 68000 Microprocessor: Hardware and Software Principles and Applications James L. Antonakos Designed to demystify the Motorola 68000 microprocessor -- its hardware *and* software -- this book leads readers on an in-depth, hands-on exploration of more than 75 different applications and then guides them through the construction and programming of their own working single-board 68000 system. **KEY TOPICS:** Covers software details of the 68000, exception processing, data structures, programming the 68000, hardware details of the 68000, memory system design, I/O system design, advanced programming using 68000 peripherals, building a working 68000 system, and the advanced 680x0 series microprocessors. Features a Troubleshooting Techniques section in each chapter -- with real-world tips, techniques, and suggestions on how to work with various hardware and software topics. Provides a companion diskette containing all programs found in the text plus additional software -- ASM68K and EMU68K -- for emulating 68000 code on IBM compatible personal computers. For anyone interested in the hardware and software aspects of the Motorola 68000 microprocessor.

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