



RESTRICTED INTERNATIONAL EDITION

# COMPUTER ORGANIZATION AND DESIGN

The Hardware/Software Interface

THIRD EDITION

David A. Patterson  
John L. Hennessy



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# Computer Organization And Design 3rd Edition

**Sajjan G. Shiva**



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*Computer Organization, Design, and Architecture, Fourth Edition* Sajjan G. Shiva,2000 This unique and proven text provides a hands on introduction to the design of a computer system depicting step by step the arrangement of a simple but complete hypothetical computer followed by detailed architectural features of existing computer systems as enhancements to the structure of the simple computer Changes in the Third Edition of Computer Design and Architecture include updates to reflect contemporary organizations and devices new technologies and devices in combinatorial and integrated circuits new technologies in sequential circuits new technologies in memory and storage the latest architecture examples contemporary memory hierarchy concepts Ideal for one or two semester courses With end of chapter summaries references and problems as well as over 250 drawings and tables Computer Design and Architecture Third Edition is a classroom tested text for upper level undergraduate and graduate students in electrical and computer engineering and computer science taking design courses such as Computer Systems Design Computer Hardware Design Computer Architecture Computer Organization and Assembly Language Programming

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architectures is included An online companion Web site provides advanced content for further study appendices glossary references and recommended reading      Computer-aided Design of Microelectronic Circuits and Systems: General introduction and analog-circuit aspects A. F. Schwarz,1987      **Computer Systems Design and Architecture** Vincent P. Heuring,Harry Frederick Jordan,1997 This text serves as an introduction to and a survey of the common commercial architectures It was created with a strong electrical and computer engineering perspective including current topics such as pipelined processor design memory hierarchy and in



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