

[PDF] Computer Organization And Architecture: Designing For Performance (7th Edition)

William Stallings - pdf download free book



William Stallings

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Description:

From the Publisher Stallings provides a clear, comprehensive presentation of the organization and architecture of modern-day computers, emphasizing both fundamental principles and the critical role of performance in driving computer design. The text conveys concepts through a wealth of

concrete examples highlighting modern CISC and RISC systems. The Fourth Edition captures recent innovations and improvements, while maintaining a broad, all-inclusive perspective of the entire field. --This text refers to an out of print or unavailable edition of this title.

From the Back Cover

DISTINGUISHING

- * Use of numerous running examples, especially Pentium
- * Unified instructional approach enables reader to evaluate instruction set design issues
- * Expanded superscalar presentation to include the new examples of UltraSparc II and the MIPS R100000
- * Detailed treatment of bus organization enables reader to better evaluate key design issues
- * Detailed chapter coverage on RISC
- * Extensive treatment of understanding of I/O functions and structures

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