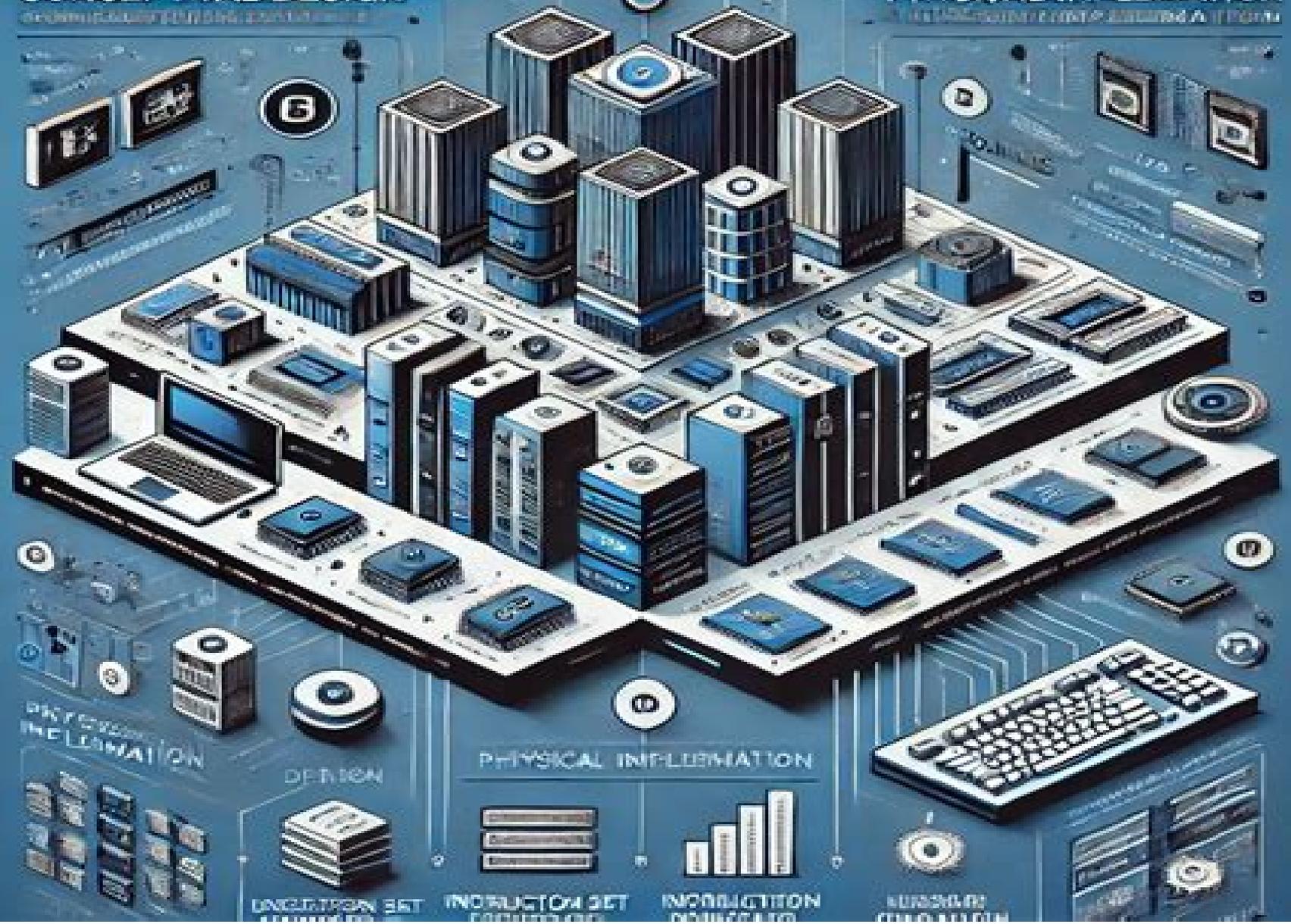


# COMPUTER ARCHITECTURE

CONCEPTUAL DESIGN

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PHYSICAL IMPLEMENTATION



# Computer Organization And Architecture

**David A. Patterson, John L. Hennessy**



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Deepali A. Godse,2021-01-01 The book provides comprehensive coverage of the fundamental concepts of computer organization and architecture Its focus on real world examples encourages students to understand how to apply essential organization and architecture concepts in the computing world The book teaches you both the hardware and software aspects of the computer It explains computer components and their functions interconnection structures bus structures computer arithmetic processor organization memory organization I O functions I O structures processing unit organization addressing modes instructions instruction pipelining instruction level parallelism and superscalar processors The case studies included in the book help readers to relate the learned computer fundamentals with the real world processors

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*Computer Organization V.* Carl Hamacher, Zvonko G. Vranesic, Safwat G. Zaky, 1996

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context of the entire machine and how the implementation affects behavior      **Computer Organization and Architecture**  
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