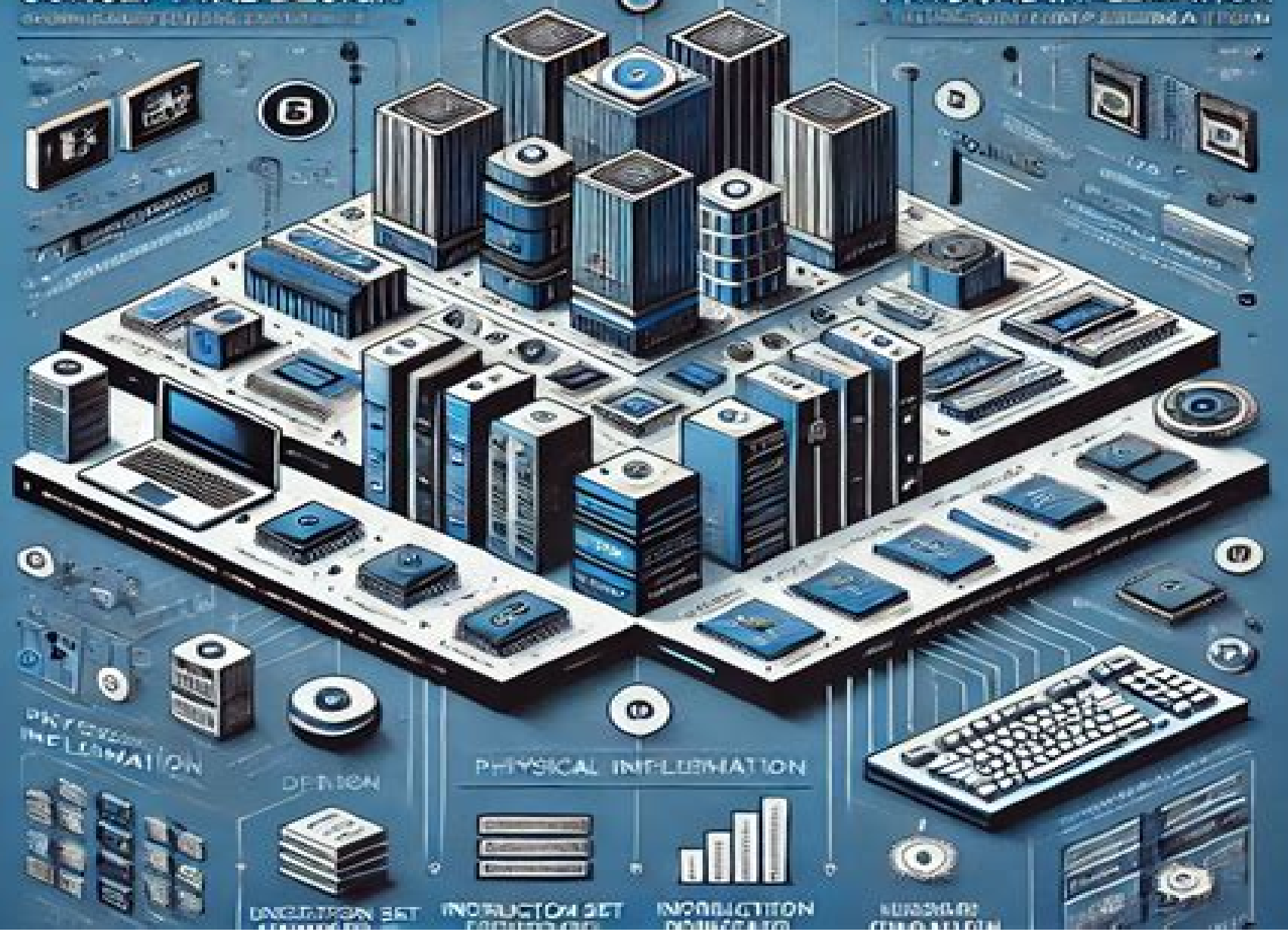


# COMPUTER ARCHITECTURE

CONCEPTUAL DESIGN

# COMPUTER ORGANIZATION

PHYSICAL IMPLEMENTATION



# Computer Organization And Architecture

**Linda Null, Julia Lobur**



## **Computer Organization And Architecture:**

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**Computer Organization and Architecture** William Stallings, 1987, **The Essentials of Computer Organization and Architecture** Linda Null, Julia Lobur, 2014-02-17. In its fourth edition, this book focuses on real-world examples and practical applications and encourages students to develop a big-picture understanding of how essential organization and architecture concepts are applied in the computing world. In addition to direct correlation with the ACM/IEEE CS2013 guidelines for computer organization and architecture, the text exposes readers to the inner workings of a modern digital computer through an integrated presentation of fundamental concepts and principles. It includes the most up-to-date data and resources available and reflects current technologies, including tablets and cloud computing. All new exercises, expanded discussions, and feature boxes in every chapter implement even more real-world applications and current data, and many chapters include all new examples.

**Computer Organization and Architecture** Madhulika Jain, Satish Jain, 2003-03. This book describes, in easy language, building blocks for computer register transfer language and architecture of a simple processor. CPU organization, assembly language programs, and arithmetic algorithms are all explained in such a manner that students of all streams can understand technical subjects very easily. Special features of the book are combinational circuits, sequential circuits, registers, counters, etc., explained in detail. For building strong fundamentals, concepts of microoperations are given with suitable examples. Different kinds of interrupts are illustrated for easy grasp of the subject matter. Each assembly language program is first explained with a flowchart and then written using mnemonics for clear understanding. Associative cache and virtual memory organization form the

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**Computer Organization and Architecture** Alan Clements,2013

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