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Advanced Computer Architecture | SpringerLink

Description : This is the instructor's manual to a text which presents the latest technologies for parallel processing and high performance computing. The main text deals with advanced computer architecture and parallel processing systems and techniques, providing an integrated study of computer hardware and software systems, and the material is suitable for use on courses found in computer science, computer engineering, or electrical engineering departments.

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Course Title: ADVANCED COMPUTER ARCHITECTURE Credit Units: Course Level: PG Course Code: IT608 Course Objectives: Computer architecture is the science and art of selecting and interconnecting hardware components to create a computer that meets functional, performance and cost

ADVANCED COMPUTER ARCHITECTURE

1. Introduction to Advanced Computer Architecture and Parallel Processing 1 1.1 Four Decades of Computing 2 1.2 Flynn's Taxonomy of Computer Architecture 4 1.3 SIMD Architecture 5 1.4 MIMD Architecture 6 1.5 Interconnection Networks 11 1.6 Chapter Summary 15 Problems 16 References 17 2. Multiprocessors Interconnection Networks 19

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Advanced Telecommunications Computing Architecture - Wikipedia

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Computer architecture - Wikipedia

Advanced Computer Architecture & Computing, S.S. Jadhav. Technical Publications, 2008 - 451 pages. 1 Review. Overview of parallel processing and pipelining processingNecessity of high performance, Constraints of conventional architecture, Parallelism in uniprocessor system, Evolution of parallel processors, future trends, Architectural ...

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