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also encompasses word lengths, instruction ...

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## **What are Advanced Computing Systems?**

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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## **Computer architecture - Wikipedia**

Evolution of Computer Architecture – In last four decades, computer architecture has gone through revolutionary changes. We started with Von Neumann architecture and now we have multicomputers and multiprocessors. Performance of a computer system – Performance of a computer system depends both on machine capability and program behavior. Machine capability can be improved with better hardware technology, advanced architectural features and efficient resource management.

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