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Parallel, distributed, and pervasive computing [

Hurson, A. R.

Elsevier Academic Press,
2005

Electronic books

Monografía

The term computation gap has been defined as the difference between the computational power demanded by the application domain and the computational power of the underlying computer platform. Traditionally, closing the computation gap has been one of the major and fundamental tasks of computer architects. However, as technology advances and computers become more pervasive in the society, the domain of computer architecture has been extended. The scope of research in the computer architecture is no longer restricted to the computer hardware and organization issues. A wide spectrum of topics ranging from algorithm design to power management is becoming part of the computer architecture. Based on the aforementioned trend and to reflect recent research efforts, attempts were made to select a collection of articles that covers different aspects of contemporary computer architecture design. This volume of the Advances in Computers contains six chapters on different aspects of computer architecture. Key features: - Wide range of research topics. - Coverage of new topics such as power management, Network on Chip, Load balancing in distributed systems, and pervasive computing. - Simple writing style. Wide range of research topics. Coverage of new topics such as power management, Network on Chip, Load balancing in distributed systems, and pervasive computing. Simple writing style

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Título: Parallel, distributed, and pervasive computing electronic resource] guest editor, Ali R. Hurson

Editorial: Amsterdam Boston Elsevier Academic Press 2005

Descripción física: 1 online resource (xviii, 292 pages) illustrations

Mención de serie: Advances in computers v. 63, 2005

Bibliografía: Includes bibliographical references and index

Contenido: Contributors. -- Preface. -- 1. Techniques to Improve Performance Beyond Pipelining: Superpipelining, Superscalar, and VLIW, (J.-L. Gaudiot, J.-Y. Kang, W.W. Ro). -- 2. Networks on Chip (NoC): Interconnects of next generation Systems on Chip, (T. Theocharides, G.M. Link, V. Narayanan, M.J. Irwin). -- 3. Characterizing Resource Allocation Heuristics for Heterogeneous Computing Systems, S. Ali, T.D. Braun, H.J. Seigel, A.A. Maciejewski, N. Beck, L. Boloni, M. Maheswaran, A.I. Reuther, J.P. Robertson, M.D. Theys, B. Yao) . -- 4. Power Analysis and Optimization Techniques for Energy Efficient Computer Systems, (W. Chedid, C. Yu, B.

Lee) . -- 5. Flexible and Adaptive Services in Pervasive Computing, (B.Y. Sung, M. Kumar, B. Shirazi) . -- 6. Search and Retrieval of Compressed Text, A. Mukherjee, N. Zhang, T. Tao, R.V. Satya, W. Sun)

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ISBN: 9780128122334 electronic bk.) 0128122331 electronic bk.) 0120121638 9780120121632 0080459145

Materia: Computer architecture Microprocessors- Design and construction System design COMPUTERS- Computer Literacy. bisacsh COMPUTERS- Computer Science. bisacsh COMPUTERS- Data Processing. bisacsh COMPUTERS- Hardware- General. bisacsh COMPUTERS- Information Technology. bisacsh COMPUTERS- Machine Theory. bisacsh COMPUTERS- Reference. bisacsh Computer architecture. fast Microprocessors- Design and construction. fast System design. fast

Autores: Hurson, A. R.

Enlace a formato físico adicional: Print version Parallel, distributed, and pervasive computing. Amsterdam ; Boston : Elsevier Academic Press, 2005 0120121638 9780120121632 (OCoLC)60386558

Punto acceso adicional serie-Título: Advances in computers v. 63, 2005

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