Hennessy, John L.; Patterson, David A.

[Asanović, Krste; Bakos, Jason D.; Colwell, Robert P.; Conte, Thomas M.; Duato, José; Franklin, Diana; Goldberg, David; Jouppi, Norman P.; Li, Sheng; Muralimanobar, Naveen; Peterson, Gregory D.; Pinkston, Timothy M.; Ranganathan, Parthasarathy; Wood, David A.; Zaky, Amer]

Computer architecture. A quantitative approach. With contributions by Krste Asanović, Jason D. Bakos, Robert P. Colwell, Thomas M. Conte, José Duato, Diana Franklin, David Goldberg, Norman P. Jouppi, Sheng Li, Naveen Muralimanobar, Gregory D. Peterson, Timothy M. Pinkston, Parthasarathy Ranganathan, David A. Wood and Amer Zaky. 5th ed. (English) [Zbl 1231.68006]


Publisher’s description: The computing world today is in the middle of a revolution: mobile clients and cloud computing have emerged as the dominant paradigms driving programming and hardware innovation today. The fifth edition of this book focuses on this dramatic shift, exploring the ways in which software and technology in the cloud are accessed by cell phones, tablets, laptops, and other mobile computing devices. Each chapter includes two real-world examples, one mobile and one data-center, to illustrate this revolutionary change.

For a review of the fourth edition (2006) see Zbl 1112.68001.

MSC:

68-01 Introductory exposition (textbooks, tutorial papers, etc.) pertaining to computer science
68-02 Research exposition (monographs, survey articles) pertaining to computer science
68M01 General theory of computer systems
68M07 Mathematical problems of computer architecture