



Infoplex Data Base Computer Architecture Concepts and Directions: August 25, 1978 (Classic Reprint)

By Chat-Yu Lam

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Infoplex Data Base Computer Architecture Concepts and Directions: August 25, 1978 The Center for Information Systems Research (CISR) is a research center of the M.I.T. Sloan School of Management; it consists of a group of Management Information Systems specialist, including faculty members, full-time research staff, and student research assistants. The Center s general research thrust is to devise better means for designing, generating and maintaining application software, information systems and decision support systems. Within the context of the research effort sponsored by the National Science Foundation under Grant No. MCS77-20829, CISR proposes to investigate the architecture of the INFOPLEX Data Base Computer which is particularly designed for large-scale information management. INFOPLEX applies the theory of hierarchical decomposition in its design and makes use of multiple microprocessors in its implementation to obtain high performance, high reliability, and large storage capacity. Research issues to be addressed include optimal decomposition of information management functions into a functional hierarchy to be implemented by a hierarchy of microprocessor complex, and optimal physical decomposition of an automatic memory hierarchy to support...



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