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Soggetti	Computers Computer engineering Operating systems (Computers) Computer memory systems Logic design Electronics Microelectronics Theory of Computation Computer Engineering Operating Systems Memory Structures Logic Design Electronics and Microelectronics, Instrumentation
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Nota di contenuto	Dynamic storage allocation: A survey and critical review -- Static analysis refuses to stay still: Prospects of static analysis for dynamic allocation -- Compile-time garbage collection for lazy functional languages -- Generational garbage collection without temporary space leaks for lazy functional languages -- Complementary garbage collector -- Performance tuning in a customizable collector -- MOA — A fast sliding compaction scheme for a large storage space -- A survey of distributed garbage collection techniques -- Garbage collection on

an open network -- Indirect mark and sweep: A distributed GC -- On-the-fly global garbage collection based on Partly Mark-Sweep -- LEMMA: A distributed shared memory with global and local garbage collection -- One pass real-time generational mark-sweep garbage collection -- Garbage collection for control systems -- A garbage collector for the concurrent real-time language Erlang -- Progress in hardware-assisted real-time garbage collection -- A miss history-based architecture for cache prefetching -- Memory management in flash-memory disks with data compression.

Sommario/riassunto

This book constitutes the refereed proceedings of the Second International Workshop on Memory Management, IWMM '95, held in Kinross, Scotland, in September 1995. It contains 17 full revised papers on all current aspects of memory management; among the topics addressed are garbage collection for parallel, real-time, and distributed memory systems, memory management of distributed and of persistent objects, programming language aspects, hardware-assisted garbage collection, and open-network garbage collection. In addition, the book presents the invited paper "Dynamic Storage Allocation: A Survey and Review" by a team of four authors from the University of Texas at Austin, which surveys the literature on allocators between 1961 and 1995.
