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Soggetti	Operating systems (Computers) Computers Computer communication systems Computer system failures Microprocessors Operating Systems Theory of Computation Computer Communication Networks System Performance and Evaluation Processor Architectures
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Nota di contenuto	Evaluation of a CPU scheduling mechanism for synchronized multimedia streams -- An application of SMART2: A tool for performance evaluation of relational database programs -- Measuring Fault Tolerance with the FTAPE fault injection tool -- Queueing analysis of discrete-time buffer systems with compound arrival process and variable service capacity -- The method of moments for higher moments and the usefulness of formula manipulation systems -- Integration of performance evaluations in the design process of CPUs

and computer systems -- Information requirements for software performance engineering -- Integrating behavioural and simulation modelling -- Assessment of 3rd generation mobile systems by simulation -- How good is stationary analysis for the transient phenomena of connection admission in ATM? -- On the exact and approximate analysis of hierarchical discrete time queueing networks -- Steady state analysis of Markov Regenerative SPN with age memory policy -- A new iterative method for solving Large-Scale Markov chains -- A new iterative numerical solution algorithm for Markovian queueing networks -- Transient analysis of deterministic and stochastic Petri nets with TimeNET -- QPN-Tool for the specification and analysis of hierarchically combined Queueing Petri nets -- Approximate analysis of networks of PHPH|1K queues: Theory & tool support -- Speedy: An integrated performance extrapolation tool for pC++ Programs -- HASSE: a tool for analyzing causal relationships in parallel and distributed systems -- PerPreT — A performance prediction tool for massively parallel systems -- Compile-time performance prediction of parallel systems -- Workload models for multiwindow distributed environments -- Building a hierarchical CAN-simulator using an object-oriented environment -- Performance-oriented development of irregular, unstructured and unbalanced parallel applications in the N-MAP environment -- Performance engineering of distributed software process architectures -- Performance evaluation of connectionless multicast protocols for cooperative multimedia applications -- Modeling relaxed memory consistency protocols -- Measurement, modelling and emulation of internet round-trip delays.

Sommario/riassunto

This book constitutes the proceedings of the 8th International Conference on Modelling Techniques and Tools for Computer Performance Evaluation (Performance Tools '95) and of the 8th GI/ITG Conference on Measuring, Modelling and Evaluating Computing and Communication Systems, MMB '95, held jointly in Heidelberg, Germany in September 1995. The volume presents 26 full refereed papers selected from a total of 86 submissions, together with two invited contributions. The scope of the papers includes measurement- and model-based approaches for quantitative systems assessment, reports on theoretical and methodological progress, and novel and improved assessment techniques and their tool implementations and applications.
