1. **Record Nr.** UNINA9910483563003321

Titolo	Computer Performance Evaluation and Benchmarking : SPEC Benchmark Workshop 2009, Austin, TX, USA, January 25, 2009, Proceedings / / edited by David Kaeli
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	3-540-93799-4
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (IX, 145 p.)
Collana	Programming and Software Engineering, , 2945-9168 ; ; 5419
Altri autori (Persone)	KaeliDavid SachsKai
Disciplina	004.0151
Soggetti	Computer science Application software Electronic digital computers - Evaluation Microprocessors Computer architecture Microprogramming Logic design Theory of Computation Computer and Information Systems Applications System Performance and Evaluation Processor Architectures Control Structures and Microprogramming Logic Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Benchmark Suites -- SPECrate2006: Alternatives Considered, Lessons Learned -- SPECjvm2008 Performance Characterization -- CPU Benchmarking -- Performance Characterization of Itanium® 2-Based Montecito Processor -- A Tale of Two Processors: Revisiting the RISC-CISC Debate -- Investigating Cache Parameters of x86 Family Processors -- Power/Thermal Benchmarking -- The Next Frontier for Power/Performance Benchmarking: Energy Efficiency of Storage

Subsystems -- Thermal Design Space Exploration of 3D Die Stacked Multi-core Processors Using Geospatial-Based Predictive Models -- Modeling and Sampling Techniques -- Generation, Validation and Analysis of SPEC CPU2006 Simulation Points Based on Branch, Memory and TLB Characteristics -- A Note on the Effects of Service Time Distribution in the M/G/1 Queue.

Sommario/riassunto	This book constitutes the proceedings of the SPEC Benchmark Workshop 2009 held in Austin, Texas, USA on January 25th, 2009. The 9 papers presented were carefully selected and reviewed for inclusion in the book. The result is a collection of high-quality papers discussing current issues in the area of benchmarking research and technology. The topics covered are: benchmark suites, CPU benchmarking, power/thermal benchmarking, and modeling and sampling techniques.