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Disciplina	005.1
Soggetti	Software engineering Computer networks Compilers (Computer programs) Computer programming Machine theory Software Engineering Computer Communication Networks Compilers and Interpreters Programming Techniques Formal Languages and Automata Theory
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talk -- Programming Clouds -- Optimization Techniques -- Mining Opportunities for Code Improvement in a Just-In-Time Compiler -- Unrestricted Code Motion: A Program Representation and Transformation Algorithms Based on Future Values -- Optimizing Matlab through Just-In-Time Specialization -- RATA: Rapid Atomic Type Analysis by Abstract Interpretation -- Application to JavaScript Optimization -- Program Transformations -- JReq: Database Queries in Imperative Languages -- Verifying Local Transformations on Relaxed

Memory Models -- Program Analysis -- Practical Extensions to the IFDS Algorithm -- Using Ownership to Reason about Inherent Parallelism in Object-Oriented Programs -- Register Allocation -- Punctual Coalescing -- Strategies for Predicate-Aware Register Allocation -- Preference-Guided Register Assignment -- High-Performance Systems -- Validating Register Allocation and Spilling -- Automatic C-to-CUDA Code Generation for Affine Programs -- Is Reuse Distance Applicable to Data Locality Analysis on Chip Multiprocessors? -- The Polyhedral Model Is More Widely Applicable Than You Think -- The Hot Path SSA Form: Extending the Static Single Assignment Form for Speculative Optimizations.
