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Disciplina	005.453
Soggetti	Compilers (Computer programs) Software engineering Computer programming Computer science Compilers and Interpreters Software Engineering Programming Techniques Computer Science Logic and Foundations of Programming
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Formato	Materiale a stampa
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Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Invited Paper -- A Graphical Model for Context-Free Grammar Parsing -- Compiler Engineering and Compiling Techniques A Refactoring Library for Scala Compiler Extensions -- Feature-Specific Profiling -- A Synchronous-Based Code Generator for Explicit Hybrid Systems Languages -- Faster, Practical GLL Parsing -- Analysis and Optimisation -- A Backend Extension Mechanism for PQL/Java with Free Run-Time Optimisation -- Staged Points-to Analysis for Large Code Bases -- Exact and Approximated Data-Reuse Optimizations for Tiling with Parametric Sizes -- Optgen: A Generator for Local Optimizations -- Formal Techniques -- Towards a Scalable Framework for Context-Free Language Reachability -- Protocols by Default: Safe MPI Code Generation Based on Session Types -- Verifying Fast and Sparse SSA-Based Optimizations in Coq.

## Sommario/riassunto

This book constitutes the proceedings of the 24th International Conference on Compiler Construction, CC 2015, held as part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2015, in London, UK, in April 2015. The 11 papers presented in this volume were carefully reviewed and selected from 34 submissions. They deal with compiler engineering and compiling techniques; compiler analysis and optimisation and formal techniques in compilers. The book also contains one invited talk in full-paper length.

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