

1. Record Nr.	UNINA9910143859303321
Titolo	Static Analysis : 10th International Symposium, SAS 2003, San Diego, CA, USA, June 11-13, 2003. Proceedings // edited by Radhia Cousot
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2003
ISBN	3-540-44898-5
Edizione	[1st ed. 2003.]
Descrizione fisica	1 online resource (XIV, 510 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2694
Disciplina	005.13
Soggetti	Programming languages (Electronic computers) Computer science Computer programming Software engineering Computer logic Mathematical logic Programming Languages, Compilers, Interpreters Computer Science, general Programming Techniques Software Engineering Logics and Meanings of Programs Mathematical Logic and Formal Languages
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Static Analysis of Object-Oriented Languages -- Precise Analysis of String Expressions -- Modular Class Analysis with DATALOG -- Class-Level Modular Analysis for Object Oriented Languages -- Static Analysis of Concurrent Languages -- Checking Interference with Fractional Permissions -- Message Analysis for Concurrent Languages -- Instantaneous Termination in Pure Esterel -- Stack Size Analysis for Interrupt-Driven Programs -- Invited Paper -- Program Development Using Abstract Interpretation (And the Ciao System Preprocessor) -- Static Analysis of Functional Languages -- Selective Tail Call Elimination -- Inserting Safe Memory Reuse Commands into ML-Like

Programs -- Static Analysis of Procedural Languages -- Weighted Pushdown Systems and Their Application to Interprocedural Dataflow Analysis -- Client-Driven Pointer Analysis -- Abstract Interpretation of Programs as Markov Decision Processes -- Static Data Analysis -- A Logic for Analyzing Abstractions of Graph Transformation Systems -- Type Systems for Distributed Data Sharing -- Z-Ranking: Using Statistical Analysis to Counter the Impact of Static Analysis Approximations -- Computer-Assisted Verification of a Protocol for Certified Email -- Invited Talk -- Craig Interpolation and Reachability Analysis -- Static Linear Relation Analysis -- Precise Widening Operators for Convex Polyhedra -- Cartesian Factoring of Polyhedra in Linear Relation Analysis -- Static Analysis Based Program Transformation -- Continuation-Based Partial Evaluation without Continuations -- Loop Transformations for Reducing Data Space Requirements of Resource-Constrained Applications -- Code Compaction of Matching Single-Entry Multiple-Exit Regions -- Static Heap Analysis -- Existential Heap Abstraction Entailment Is Undecidable -- Typestate Verification: Abstraction Techniques and Complexity Results -- Static Analysis of Accessed Regions in Recursive Data Structures -- Establishing Local Temporal Heap Safety Properties with Applications to Compile-Time Memory Management.

---