1. Record Nr. UNINA9910143592103321

Titolo	Static analysis : 8th International Symposium, SAS 2001,Paris, France, July 16-18, 2001 : proceedings / / Patrick Cousot, ed
Pubbl/distr/stampa	Berlin, Germany : , : Springer, , [2001] Â©2001
ISBN	3-540-47764-0
Edizione	[1st ed. 2001.]
Descrizione fisica	1 online resource (XI, 439 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2126
Disciplina	005.1
Soggetti	Programming languages (Electronic computers) Computer programming
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Paper -- Analysis of Multithreaded Programs -- Program Transformation -- Communication and Parallelism Introduction and Elimination in Imperative Concurrent Programs -- Using Slicing to Identify Duplication in Source Code -- Soft Scheduling for Hardware -- Strictness and Termination -- Effective Strictness Analysis with HORN Constraints -- Applying Static Analysis Techniques for Inferring Termination Conditions of Logic Programs -- An Abstract Analysis of the Probabilistic Termination of Programs -- Semantics Abstraction -- Watchpoint Semantics: A Tool for Compositional and Focussed Static Analyses -- Logic and Constraint Programming -- Parameterizing a Groundness Analysis of Logic Programs -- Finite-Tree Analysis for Constraint Logic-Based Languages -- Invited Paper -- Applications of Extended Static Checking -- Data Structures -- Cleanness Checking of String Manipulations in C Programs via Integer Analysis -- Solving Regular Tree Grammar Based Constraints -- Static Analyses of the Precision of Floating-Point Operations -- Pointer Analysis -- Estimating the Impact of Scalable Pointer Analysis on Optimization -- Efficient Computation of Parameterized Pointer Information for Interprocedural Analyses -- Model Checking -- Parametric Optimization of Open Real-Time Systems -- Embedding Chaos -- Abstract Model Checking -- Analyzing Fair Parametric Extended Automata -- Incompleteness, Counterexamples, and Refinements in Abstract Model-Checking --

Invited Talk -- Language-Based Security: What's Needed and Why -- Mobility -- A Behavioral Module System for the Pi-Calculus -- An Abstract Interpretation Framework for Analysing Mobile Ambients -- Abstract Interpretation-Based Static Analysis of Mobile Ambients -- Invited Session on Security -- Static Analysis and Software Assurance -- A Type and Effect Analysis of Security Protocols -- Abstracting Cryptographic Protocols by Prolog Rules -- Security-Typed Languages and Distributed Computation.