

1. Record Nr.	UNISA996466110003316
Titolo	Static Analysis [[electronic resource]] : 13th International Symposium, SAS 2006, Seoul, Korea, August 29-31, 2006, Proceedings / / edited by Kwangkeun Yi
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2006
ISBN	3-540-37758-1
Edizione	[1st ed. 2006.]
Descrizione fisica	1 online resource (XIII, 443 p.)
Collana	Programming and Software Engineering ; ; 4134
Disciplina	005.1
Soggetti	Software engineering Programming languages (Electronic computers) Computer logic Mathematical logic Computer programming Software Engineering/Programming and Operating Systems Programming Languages, Compilers, Interpreters Logics and Meanings of Programs Software Engineering Mathematical Logic and Formal Languages Programming Techniques
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 and index.
Nota di contenuto	Invited Talk -- Unleashing the Power of Static Analysis -- Session 1 -- Static Analysis in Disjunctive Numerical Domains -- Static Analysis of Numerical Algorithms -- Static Analysis of String Manipulations in Critical Embedded C Programs -- Session 2 -- Abstract Regular Tree Model Checking of Complex Dynamic Data Structures -- Structural Invariants -- Existential Label Flow Inference Via CFL Reachability -- Session 3 -- Abstract Interpretation with Specialized Definitions -- Underapproximating Predicate Transformers -- Combining Widening and Acceleration in Linear Relation Analysis -- Beyond Iteration Vectors: Instancewise Relational Abstract Domains -- Invited Talk -- Separation Logic and Program Analysis -- Beyond Reachability: Shape

Abstraction in the Presence of Pointer Arithmetic -- Session 4 --
Specialized 3-Valued Logic Shape Analysis Using Structure-Based
Refinement and Loose Embedding -- Recency-Abstraction for Heap-
Allocated Storage -- Interprocedural Shape Analysis with Separated
Heap Abstractions -- Automated Verification of the Deutsch-Schorr-
Waite Tree-Traversal Algorithm -- Invited Talk -- Shape Analysis for
Low-Level Code -- Session 5 -- Catching and Identifying Bugs in
Register Allocation -- Certificate Translation for Optimizing Compilers
-- Analysis of Low-Level Code Using Cooperating Decompilers --
Session 6 -- Static Analysis for Java Servlets and JSP --
Cryptographically-Masked Flows -- Proving the Properties of
Communicating Imperfectly-Clocked Synchronous Systems -- Session
7 -- Parametric and Termination-Sensitive Control Dependence --
Memory Leak Analysis by Contradiction -- Path-Sensitive Dataflow
Analysis with Iterative Refinement.
