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Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 3924
Disciplina	005.1
Soggetti	Software engineering Compilers (Computer programs) Computer programming Computer science Machine theory Software Engineering Compilers and Interpreters Programming Techniques Computer Science Logic and Foundations of Programming Formal Languages and Automata Theory
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Types for Hierarchic Shapes -- Linear Regions Are All You Need -- Type-Based Amortised Heap-Space Analysis -- Haskell Is Not Not ML -- Coinductive Big-Step Operational Semantics -- Step-Indexed Syntactic Logical Relations for Recursive and Quantified Types -- Approaches to Polymorphism in Classical Sequent Calculus -- Pure Pattern Calculus -- A Verification Methodology for Model Fields -- ILC: A Foundation for Automated Reasoning About Pointer Programs -- Bisimulations for Untyped Imperative Objects -- A Typed Assembly Language for Confidentiality -- Flow Locks: Towards a Core Calculus for Dynamic Flow Policies -- A Basic Contract Language for Web Services -- Types for Dynamic Reconfiguration -- Size-Change Termination Analysis in k-Bits -- Path Optimization in Programs and Its

Application to Debugging -- Inference of User-Defined Type Qualifiers and Qualifier Rules -- Assertion Checking over Combined Abstraction of Linear Arithmetic and Uninterpreted Functions -- Embedding Dynamic Dataflow in a Call-by-Value Language -- Polymorphic Type Inference for the JNI -- Type Safety of Generics for the .NET Common Language Runtime -- The Weird World of Bi-directional Programming.

Sommario/riassunto

ETAPS 2006 was the ninth instance of the European Joint Conferences on Theory and Practice of Software. ETAPS is an annual federated conference that was established in 1998 by combining a number of existing and new conferences. This year it comprised 7 conferences (CC, ESOP, FASE, FOSSACS, TACAS), 18 satellite workshops (AC-CAT, AVIS, CMCS, COCV, DCC, EAAI, FESCA, FRCSS, GT-VMT, LDTA, MBT, QAPL, SC, SLAP, SPIN, TERMGRAPH, WITS and WRLA), two tutorials, and seven invited lectures (not including those that were specific to the satellite events). We received over 550 submissions to the 7 conferences this year, giving an overall acceptance rate of 23%, with acceptance rates below 30% for each conference. Congratulations to all the authors who made it to the final programme! I hope that most of the other authors still found a way of participating in this exciting event and I hope you will continue submitting. The events that comprise ETAPS address various aspects of the system development process, including specification, design, implementation, analysis and improvement. The languages, methodologies and tools which support these activities are all well within its scope. Different blends of theory and practice are represented, with an inclination towards theory with a practical motivation on the one hand and soundly based practice on the other. Many of the issues involved in software design apply to systems in general, including hardware systems, and the emphasis on software is not intended to be exclusive.
