1.	Record Nr.	UNINA9910143911003321
	Titolo	Programming Languages and Systems : 11th European Symposium on Programming, ESOP 2002, Held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2002 Grenoble, France, April 8-12, 2002. Proceedings / / edited by Daniel Le Metayer
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2002
	ISBN	3-540-45927-8
	Edizione	[1st ed. 2002.]
	Descrizione fisica	1 online resource (XII, 330 p.)
	Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2305
	Disciplina	005.1
	Soggetti	Software engineering
		Programming languages (Electronic computers)
		Computer programming
		Computer logic
		Logic, Symbolic and mathematical
		Software Engineering/Programming and Operating Systems
		Programming Languages, Compilers, Interpreters
		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	Invited Paper -- Type Checking Systems Code -- Typing and Modularity -- Mixin Modules in a Call-by-Value Setting -- Existential Types for Imperative Languages -- Another Type System for In-Place Update -- Programming Paradigms -- Soft Concurrent Constraint Programming -- Programming Languages for Compressing Graphics -- An Accumulative Parallel Skeleton for All -- Higher-Order Intensional Type Analysis -- Lambda Calculus -- Branching Types -- Exceptions, Continuations and Macro-expressiveness -- A Theory of Second-Order Trees -- Program Analysis: Applications -- Tool Support for Improving

Test Coverage -- Data Space Oriented Tiling -- Propagation of Roundoff Errors in Finite Precision Computations: A Semantics Approach -- Asserting the Precision of Floating-Point Computations: A Simple Abstract Interpreter -- Program Analysis: Principles -- A Modular, Extensible Proof Method for Small-Step Flow Analyses -- A Prototype Dependency Calculus -- Automatic Complexity Analysis -- Distributed Programs: Verification and Analysis -- Thread-Modular Verification for Shared-Memory Programs -- Timing UDP: Mechanized Semantics for Sockets, Threads, and Failures -- Finite-Control Mobile Ambients -- Dependency Analysis of Mobile Systems.

Sommario/riassunto	ETAPS2002wasthe?fthinstanceoftheEuropeanJointConferencesonTheory 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 5 conferences (FOSSACS, FASE, ESOP, CC, TACAS), 13 satellite workshops (ACL2, AGT, CMCS, COCV, DCC, INT, LDTA, SC, SFEDL, SLAP, SPIN, TPTS, and VISS), 8 invited lectures (not including those speci?c to the satellite events), and several tutorials. The events that comprise ETAPS address various aspects of the system - velopmentprocess,includingspeci?cation,design, implementation,analysis,and improvement. The languages, methodologies, and tools which support these - tivities are all well within its scope. Di?erent blends of theory and practice are represented, with an inclination towards theory with a practical motivation on 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.