

1. Record Nr.	UNINA9910767583403321
Titolo	Types in Compilation : Second International Workshop, TIC'98, Kyoto, Japan, March 25-27, 1998 Proceedings // edited by Xavier Leroy, Atsushi Ohori
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1998
ISBN	3-540-68308-9
Edizione	[1st ed. 1998.]
Descrizione fisica	1 online resource (VIII, 308 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1473
Disciplina	005.4/53
Soggetti	Software engineering Programming languages (Electronic computers) Computer logic Operating systems (Computers) Software Engineering/Programming and Operating Systems Programming Languages, Compilers, Interpreters Logics and Meanings of Programs Software Engineering Operating Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Compiling Java to a typed lambda-calculus: A preliminary report -- Stack-based Typed Assembly Language -- How generic is a generic back end? using MLRISC as a back end for the TIL compiler -- A toolkit for constructing type- and constraint-based program analyses -- Optimizing ML using a hierarchy of monadic types -- Type-directed continuation allocation -- Polymorphic equality — No tags required -- Optimal type lifting -- Formalizing resource allocation in a compiler -- An approach to improve locality using sandwich types -- Garbage collection via dynamic type inference - A formal treatment - -- Strong normalization by type-directed partial evaluation and run-time code generation -- Determination of dynamic method dispatches using run-time code generation -- Type-based analysis of concurrent programs -- A type-based semantics for user-defined marshalling in

polymorphic languages.

---

**Sommario/riassunto**

This book constitutes the thoroughly refereed post-workshop proceedings of the Second International Workshop on Types in Compilation, TIC '98, held in Kyoto, Japan in March 1998. The book presents 13 revised full papers carefully selected during an iterated reviewing process together with three invited papers. The papers are organized in topical sections on typed intermediate languages, program analyses, program transformations and code generation, memory management, partial evaluation and run-time code generation, and distributed computing.

---