

1. Record Nr.	UNISA996466160403316
Titolo	Programming Languages: Implementations, Logics and Programs [[electronic resource]] : 7th International Symposium, PLILP '95, Utrecht, The Netherlands, September 20 - 22, 1995. Proceedings / / edited by Manuel Hermenegildo, S.Doaitse Swierstra
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1995
ISBN	3-540-45048-3
Edizione	[1st ed. 1995.]
Descrizione fisica	1 online resource (XII, 476 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 982
Disciplina	005.13
Soggetti	Programming languages (Electronic computers) Computer programming Computer logic Mathematical logic Computer science—Mathematics Artificial intelligence Programming Languages, Compilers, Interpreters Programming Techniques Logics and Meanings of Programs Mathematical Logic and Formal Languages Symbolic and Algebraic Manipulation Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	A generic program for sequential decision processes -- Parsing visual languages with constraint multiset grammars -- Programming with constructor classes -- Towards a taxonomy of functional language implementations -- A λ -calculus à la de Bruijn with explicit substitutions -- A verified implementation of narrowing -- A new calculus for semantic matching -- A complete narrowing calculus for higher-order functional logic programming -- Exploiting parallelism in tabled evaluations -- Design and implementation of jump tables for

fast indexing of logic programs -- An abstract machine for Oz -- Uniform PERs and comporment analysis -- Uniqueness type inference -- Modes of comprehension: Mode analysis of arrays and array comprehensions -- Better consumers for deforestation -- Efficient compile-time garbage collection for arbitrary data structures -- Efficient multi-level generating extensions for program specialization -- Mechanically verifying the correctness of an offline partial evaluator -- A semantic model of binding times for safe partial evaluation -- Gadgets: Lazy functional components for graphical user interfaces -- Lightweight GUIs for functional programming -- Local linear logic for locality consciousness in multiset transformation -- The notion of floundering for SLDNF-resolution revisited -- Minimal set unification -- Goal-directed query processing in disjunctive logic databases -- A dataflow semantics for constraint logic programs -- A functional framework for deterministically interleaved interactive programs -- A debugging model for lazy narrowing -- Evaluation of expressions in a multiparadigm framework -- An expression-or-parallel implementation for a functional logic language -- Attributed models of executable specifications -- Approximating constraint logic programs using polymorphic types and regular descriptions -- Performance of a data-parallel concurrent constraint programming system -- A portable implementation of memoing evaluation.

Sommario/riassunto

This book constitutes the proceedings of the Seventh International Symposium on Programming Languages: Implementations, Logics and Programs, PLILP '95, held in Utrecht, The Netherlands, in September 1995. The book presents 26 refereed full papers selected from 84 submissions; they report research on declarative programming languages and provide insights in the relation between the logic of those languages, implementation techniques, and the use of these languages in constructing real programs. In addition there are abstracts or full presentations of three invited talks as well as eight posters and demonstrations.
