1.	Record Nr.	UNISA996465303203316
	Titolo	Programming Language Implementation and Logic Programming [[electronic resource]] : 3rd International Symposium, PLILP '91, Passau, Germany, August 26-28, 1991. Proceedings / / edited by Jan Maluszynski, Martin Wirsing
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1991
	ISBN	3-540-38362-X
	Edizione	[1st ed. 1991.]
	Descrizione fisica	1 online resource (XII, 435 p.)
	Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 528
	Disciplina	005.13
	Soggetti	Computer programming
		Mathematical logic
		Programming languages (Electronic computers)
		Artificial intelligence
		Computer logic
		Programming Techniques
		Mathematical Logic and Foundations
		Programming Languages, Compilers, Interpreters
		Mathematical Logic and Formal Languages
		Artificial Intelligence
		Logics and Meanings of Programs
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di contenuto	Standard ML of New Jersey -- Adding equations to NU-Prolog -- Extraction of functional from logic program -- The MAS specification component -- Domesticating imperative constructs so that they can live in a functional world -- Logic-based specification of visibility rules -- Optimal instruction scheduling using constraint logic programming -- An architectural model for OR-parallellism on distributed memory systems -- FRATS: A parallel reduction strategy for shared memory -- Narrowing as an incremental constraint satisfaction algorithm -- The implementation of lazy narrowing -- Semantics-directed generation of a Prolog compiler -- A framework to specify database update views for

Prolog -- Concepts for a modular and distributed Prolog language -- From parlog to polka in two easy steps -- Precedences in specifications and implementations of programming languages -- A randomized heuristic approach to register allocation -- Generating efficient code from data-flow programs -- On the borderline between grammars and programs -- Efficient incremental evaluation of higher order attribute grammars -- Profit: A system integrating logic programming and attribute grammars -- Towards a meaning of LIFE -- U-log, an ordered sorted logic with typed attributes -- Compilation of predicate abstractions in higher-order logic programming -- Abstract interpretation: A kind of magic -- Abstract interpretation for type checking -- A technique for recursive invariance detection and selective program specialization -- Dynamic detection of determinism in functional logic languages -- Unfolding — definition — folding, in this order, for avoiding unnecessary variables in logic programs -- Efficient integration of simplification into Prolog -- Lazy evaluation in logic -- S-SLD-resolution — An operational semantics for logic programs with external procedures -- Operational semantics of constraint logic programming over finite domains -- Constraints for synchronizing coarse-grained sequential logic processes -- Extending execution trees for debugging and animation in logic programming -- A narrowing-based theorem prover -- The ALF system -- Experiences with gentle: Efficient compiler construction based on logic programming -- The system FLR (Fast laboratory for recomposition) -- Multilanguage interoperability -- Short overview of the CLPS system.

| Sommario/riassunto | This volume contains the papers which have been accepted for presentation atthe Third International Symposium on Programming Language Implementation andLogic Programming (PLILP '91) held in Passau, Germany, August 26-28, 1991. The aim of the symposium was to explore new declarative concepts, methods and techniques relevant for the implementation of all kinds of programming languages, whether algorithmic or declarative ones. The intention was to gather researchers from the fields of algorithmic programming languages as well as logic, functional and object-oriented programming. This volume contains the two invited talks given at the symposium by H. Ait-Kaci and D.B. MacQueen, 32 selected papers, and abstracts of several system demonstrations. The proceedings of PLILP '88 and PLILP '90 are available as Lecture Notes in Computer Science Volumes 348 and 456. |