

1. Record Nr.	UNINA9910483494903321
Titolo	Declarative Programming and Knowledge Management : Declarative Programming Days, KDPD 2013, Unifying INAP, WFLP, and WLP, Kiel, Germany, September 11-13, 2013, Revised Selected Papers // edited by Michael Hanus, Ricardo Rocha
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-08909-9
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (X, 251 p. 51 illus.)
Collana	Lecture Notes in Artificial Intelligence ; ; 8439
Disciplina	658.4038
Soggetti	Artificial intelligence Computer programming Computers Computer science—Mathematics Artificial Intelligence Programming Techniques Theory of Computation Math Applications in Computer Science
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 and index.
Nota di contenuto	Construction of Explanation Graphs from Extended Dependency Graphs for Answer Set Programs -- Sharing and Exchanging Data -- Propositional Encoding of Constraints over Tree-Shaped Data -- On a High-Level Approach to Implementing Exact Real Arithmetic in the Functional Logic Programming Language Curry -- On Axiomatic Rejection for the Description Logic ALC -- And Action! - Monoid Actions and (Pre)orders -- HEX-Programs with Existential Quantification -- Introducing Real Variables and Integer Objective Functions to Answer Set Programming -- Coverage Driven Test Generation and Consistency Algorithm -- A Datalog Engine for GPUs -- Towards Parallel Constraint-Based Local Search with the X10 Language -- Debate Games in Logic Programming -- A Descriptive Handling of Directly Con icting Rules in Preferred Answer Sets -- Some Experiments

on Light-Weight Object-Functional-Logic Programming in Java with
Paisley -- Heuristic Search Over Program Transformations.

Sommario/riassunto

This book constitutes the proceedings of the Kiel Declarative Programming Days, KDPD 2013, unifying the following conferences: the 20th International Conference on Applications of Declarative Programming and Knowledge Management (INAP 2013), the 22nd International Workshop on Functional and (Constraint) Logic Programming (WFLP 2013) and the 27th Workshop on Logic Programming (WLP 2013), held in Kiel, Germany, in September 2013. The 15 papers presented were carefully reviewed and selected for inclusion in this book. They cover the following topics: logic programming, constraint problem solving, programmable logic solvers, functional programming and constraint programming.