

1. Record Nr.	UNINA9910768443703321
Titolo	Applications of Declarative Programming and Knowledge Management : 15th International Conference on Applications of Declarative Programming and Knowledge Management, INAP 2004, and 18th Workshop on Logic Programming, WLP 2004, Potsdam, Germany, March 4-6, 2004, Revised Selected Papers / / edited by Dietmar Seipel, Michael Hanus, Ulrich Geske, Oskar Bartenstein
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (X, 315 p.)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 3392
Altri autori (Persone)	SeipelDietmar
Disciplina	005/.3/1
Soggetti	Compilers (Computer programs) Artificial intelligence Computer programming Compilers and Interpreters Artificial Intelligence Programming Techniques
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	Knowledge Management and Decision Support -- Optimizing the Evaluation of XPath Using Description Logics -- Declaratively Querying and Visualizing Knowledge Bases in Xml -- SQL Based Frequent Pattern Mining with FP-Growth -- Incremental Learning of Transfer Rules for Customized Machine Translation -- Quality Measures and Semi-automatic Mining of Diagnostic Rule Bases -- An Evaluation of a Rule-Based Language for Classification Queries -- Deductive and Inductive Reasoning on Spatio-Temporal Data -- Mining Semantic Structures in Movies -- Solving Alternating Boolean Equation Systems in Answer Set Programming -- Constraint Programming and Constraint Solving -- Effective Modeling with Constraints -- A Local Search System for Solving Constraint Problems of Declarative Graph-Based Global Constraints -- Realising the Alternative Resources Constraint --

Integrating Time Constraints into Constraint-Based Configuration Models -- Distributed Constraint-Based Railway Simulation -- Declarative Programming and Web-Based Systems -- Concurrent Engineering to Wisdom Engineering -- Web Services Based on Prolog and Xml -- A Contribution to the Semantics of Xcerpt, a Web Query and Transformation Language -- DialogEngines – Dialog Agents for Web-Based Self Service Consulting -- Towards Ubiquitous Maintenance – Defining Invocation of Plant Maintenance Agents in Real Workspace by Spatial Programming -- A Pragmatic Approach to Pre-testing Prolog Programs.

Sommario/riassunto

This volume contains a selection of papers presented at the 15th International Conference on Applications of Declarative Programming and Knowledge Management, INAP 2004, and the 18th Workshop on Logic Programming, WLP 2004, which were held jointly in Potsdam, Germany, from March 4th to 6th, 2004. Declarative programming is an advanced paradigm for the modeling and solving of complex problems. This specification method has become more and more attractive in recent years, for example, in the domains of databases, for the processing of natural language, for the modeling and processing of combinatorial problems, and for establishing knowledge-based systems for the Web. The INAP conferences provide a forum for intensive discussions of applications of important technologies around logic programming, constraint problem solving, and closely related advanced software. They comprehensively cover the impact of programmable logic solvers in the Internet society, its underlying technologies, and leading-edge applications in industry, commerce, government, and social services. The Workshops on Logic Programming are the annual meeting of the Society for Logic Programming (GLP e.V.). They bring together researchers interested in logic programming, constraint programming, and related areas like databases and artificial intelligence. Previous workshops have been held in Germany, Austria, and Switzerland. The topics of these selected papers of this year's joint conference concentrate on three currently important fields: knowledge management and decision support, constraint programming and constraint solving, and declarative programming and Web-based systems.
