

1. Record Nr.	UNINA9910409665803321
Titolo	Declarative Programming and Knowledge Management : Conference on Declarative Programming, DECLARE 2019, Unifying INAP, WLP, and WFLP, Cottbus, Germany, September 9–12, 2019, Revised Selected Papers // edited by Petra Hofstedt, Salvador Abreu, Ulrich John, Herbert Kuchen, Dietmar Seipel
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	9783030467142 3030467147
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (313 pages) : illustrations
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 12057
Disciplina	005.115
Soggetti	Artificial intelligence Computer programming Compilers (Computer programs) Machine theory Computer networks Artificial Intelligence Programming Techniques Compilers and Interpreters Formal Languages and Automata Theory Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Invited Talks -- GPU-based parallelism for ASP-solving -- A Process Calculus for Formally Verifying Blockchain Consensus Protocols -- 22nd International Conference on Applications of Declarative Programming and Knowledge Management - INAP 2019 -- Modular Modeling and Optimized Scheduling of Building Energy Systems Based on Mixed Integer Programming -- Finding Maximal Non-Redundant Association Rules in Tennis Data -- From Textual Information Sources to Linked Data in the Agatha Project -- Allen's Interval Algebra Makes the Difference -- Exploring Properties of Icosoku by Constraint

Satisfaction Approach -- The Regularization of Small Sub-Constraint Satisfaction Problems -- 33rd Workshop on (Constraint) Logic Programming - WLP 2019 -- Declarative Programming for Microcontrollers - Datalog on Arduino -- Towards Constraint Logic Programming over Strings for Test Data Generation -- Facets of the PIE Environment for Proving, Interpolating and Eliminating on the Basis of First-Order Logic -- KBSET - Knowledge-Based Support for Scholarly Editing and Text Processing with Declarative LaTeX Markup and a Core Written in SWI-Prolog -- 27th International Workshop on Functional and Logic Programming - WFLP 2019 -- Structured Traversal of Search Trees in Constraint-logic Object-oriented Programming -- Performance Analysis of Zippers -- Adding Data to Curry -- Free Theorems Simply, via Dinaturality -- Improving the Performance of the Paisley Pattern-Matching EDSL by Staged Combinatorial Compilation -- ICurry.

Sommario/riassunto

This book constitutes revised selected papers from the 22nd International Conference on Applications of Declarative Programming and Knowledge Management, INAP 2019, the 33rd Workshop on Logic Programming, WLP 2019, and the 27th Workshop on Functional and (Constraint) Logic Programming, WFLP 2019. The 15 full papers and 1 short paper presented in this volume were carefully reviewed and selected from 24 submissions. The contributions present current research activities in the areas of declarative languages and compilation techniques, in particular for constraint-based, logical and functional languages and their extensions, as well as discuss new approaches and key findings in constraint-solving, knowledge representation, and reasoning techniques.
