

1. Record Nr.	UNINA9910568300003321
Titolo	Functional and Logic Programming : 16th International Symposium, FLOPS 2022, Kyoto, Japan, May 10–12, 2022, Proceedings // edited by Michael Hanus, Atsushi Igarashi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-99461-9
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (298 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 13215
Disciplina	005.114
Soggetti	Software engineering Artificial intelligence Programming languages (Electronic computers) Computer programming Computer science Computer systems Software Engineering Artificial Intelligence Programming Language Programming Techniques Computer Science Logic and Foundations of Programming Computer System Implementation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Enhancing expressivity of checked corecursive streams -- Improving Type Error Reporting for Type Classes -- Asynchronous Unfold/Fold Transformation for Fixpoint Logic -- Program Logic for Higher-Order Probabilistic Programs in Isabelle/HOL -- Generating C (System Description) -- Translation Certification for Smart Contracts -- Zipping Strategies and Attribute Grammars -- Unified Program Generation and Verification: A Case Study on Number-Theoretic Transform -- Scheduling Complexity of Interleaving Search -- Automated Generation of Control Concepts Annotation Rules Using Inductive Logic

Programming (System Description) -- A Functional Account of Probabilistic Programming with Possible Worlds (Declarative Pearl) -- Explanations as Programs in Probabilistic Logic Programming -- FOLD-R++: A Scalable Toolset for Automated Inductive Learning of Default Theories from Mixed Data -- A Lazy Desugaring System for Evaluating Programs with Sugars -- On Transforming Cut- and Quantifier-Free Cyclic Proofs into Rewriting-Induction Proofs.

Sommario/riassunto

This book constitutes the proceedings of the 16th International Symposium on Functional and Logic Programming, FLOPS 2022, held in Kyoto, Japan, in May 2022. The 12 papers presented in this volume were carefully reviewed and selected from 30 submissions. Additionally, the volume includes two system descriptions and a declarative pearl paper. The papers cover all aspects of the design, semantics, theory, applications, implementations, and teaching of declarative programming focusing on topics such as functional programming, logic programming, declarative programming, constraint programming, formal method, model checking, program transformation, program refinement, and type theory.
