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Altri autori (Persone)	EscobarSantiago
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Papers -- Programming with Multiple Paradigms in Lua -- Constraint Based Strategies -- Contributed Papers -- Integrating ILOG CP Technology into -- Termination of Context-Sensitive Rewriting with Built-In Numbers and Collection Data Structures -- Semantic Labelling for Proving Termination of Combinatory Reduction Systems -- A Taxonomy of Some Right-to-Left String-Matching Algorithms -- Type Checking and Inference Are Equivalent in Lambda Calculi with Existential Types -- Fast and Accurate Strong Termination Analysis with an Application to Partial Evaluation -- New Results on Type Systems for

Functional Logic Programming -- A Simple Region Inference Algorithm for a First-Order Functional Language -- A Theoretical Framework for the Declarative Debugging of Functional Logic Programs with Lambda Abstractions.

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Sommario/riassunto

This volume contains a selection of the papers presented at the 18th International Workshop on Functional and (Constraint) Logic Programming (WFLP 2009), held on June 28, 2009 in Brasília, Brazil. Previous WFLP meetings were held in Siena (2008), Paris (2007), Madrid (2006), Tallinn (2005), Aachen (2004), Valencia (2003), Grado (2002), Kiel (2001), Benicassim (2000), Grenoble (1999), Bad Honnef (1998), Schwarzenberg (1997, 1995, and 1994), Marburg (1996), Rattenberg (1993), and Karlsruhe (1992). The aim of the WFLP series is to bring together researchers interested in functional programming, (constraint) logic programming, as well as the integration of the two paradigms. It promotes the cross-fertilizing exchange of ideas and experiences among researchers and students from the different communities interested in the foundations, applications, and combinations of high-level, declarative programming languages and related areas. WFLP 2009 solicited papers in all areas of functional and (constraint) logic programming, including but not limited to:

- Foundations: formal semantics, rewriting and narrowing, non-monotonic reasoning, dynamics, and type theory.
- Language Design: modules and type systems, multi-paradigm languages, concurrency and distribution, and objects.
- Implementation: abstract machines, parallelism, compile-time and run-time optimizations, and interfacing with external languages.
- Transformation and Analysis: abstract interpretation, specialization, partial evaluation, program transformation, and meta-programming.
- Software Engineering: design patterns, specification, verification and validation, debugging, and test generation.
- Integration of Paradigms: integration of declarative programming with other paradigms such as imperative, object-oriented, concurrent, and real-time programming.
- Applications: declarative programming in education and industry, domain-specific languages, visual/graphical user interfaces, embedded systems, WWW applications, knowledge representation and machine learning, deductive databases, advanced programming environments and tools.

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