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Nota di contenuto	Software Engineering -- Automated Benchmarking of Functional Data Structures -- np-spec: An Executable Specification Language for Solving All Problems in NP -- Prototyping a Requirements Specification through an Automatically Generated Concurrent Logic Program -- Multi-agent Systems Development as a Software Engineering Enterprise -- Innovative Applications I -- From Functional Animation to Sprite-Based Display -- Beyond Pretty-Printing: Galley Concepts in Document Formatting Combinators -- Lambda in Motion: Controlling Robots with Haskell -- Implementation -- CHAT: The Copy-Hybrid Approach to Tabling -- The Influence of Architectural Parameters on the Performance of Parallel Logic Programming Systems -- Or-Parallelism within Tabling -- Declarative Query Processing -- Mnesia — A Distributed Robust DBMS for Telecommunications Applications -- An AQUA-Based Intermediate Language for Evaluating an Active Deductive Object-Oriented Language -- Implementing a Declarative String Query Language with String Restructuring -- Systems Applications -- Client-Side Web Scripting with HaskellScript -- MCORBA: A CORBA Binding for Mercury -- Analysis -- Dead Code Elimination through Dependent Types -- Multiple Specialization of WAM Code -- A Flexible Framework for Dynamic and Static Slicing of Logic Programs -- Innovative Applications II -- Applying Logic Programming to Derive Novel Functional Information of Genomes -- An Application of Action Theory

to the Space Shuttle -- Developing a Declarative Rule Language for Applications in Product Configuration -- Constraint Programming -- University Timetabling Using Constraint Logic Programming -- Constraint-Based Resource Allocation and Scheduling in Steel Manufacturing -- Using Constraints in Local Proofs for CLP Debugging -- Declarative Languages and Software Engineering (Invited) -- A Return to Elegance: The Reapplication of Declarative Notation to Software Design -- ECLIPSe: Declarative Specification and Scalable Implementation.

Sommario/riassunto

Declarative languages have traditionally been regarded by the mainstream computing community as too impractical to be put to practical use. At the same time, traditional conferences devoted to declarative languages do not have issues related to practice as their central focus. Thus, there are few forums devoted to discussion of practical aspects and implications of newly discovered results and techniques related to declarative languages. The goal of the First International Workshop on Practical Aspects of Declarative Languages (PADL) is to bring together researchers, practitioners and implementors of declarative languages to discuss practical issues and practical implications of their research results. The workshop was held in San Antonio, Texas, during January 18-19, 1999. This volume contains its proceedings. Fifty three papers were submitted in response to the call for papers. These papers were written by authors belonging to twenty one countries from six continents. Each paper was assigned to at least two referees for reviewing. Twenty four papers were finally selected for presentation at the workshop. Many good papers could not be included due to the limited duration of the workshop. The workshop included invited talks by Mark Hayden of DEC/Compaq Systems Research Center, speaking on "Experiences Building Distributed Systems in ML," and Mark Wallace of Imperial College Center for Planning and Resource Control (IC-PARC), speaking on "ECLIPSe: Declarative Specification and Scalable Implementation."
