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Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 3474
Classificazione	54.53
Disciplina	005.13
Soggetti	Compilers (Computer programs) Computer programming Computer science Compilers and Interpreters Programming Techniques Computer Science Logic and Foundations of Programming
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Exploiting Single-Assignment Properties to Optimize Message-Passing Programs by Code Transformations -- The Feasibility of Interactively Probing Quiescent Properties of GUI Applications -- A Functional Programming Technique for Forms in Graphical User Interfaces -- A Rational Deconstruction of Landin's SECD Machine -- Explaining ML Type Errors by Data Flows -- V?M: A Virtual Machine for Strict Evaluation of (Co)Recursive Functions -- A Virtual Machine for Functional Logic Computations -- Source-Based Trace Exploration -- Shrinking Reductions in SML.NET -- Dynamic Construction of Generic Functions -- Reasoning About Deterministic Concurrent Functional I/O -- General Homomorphic Overloading -- Simple, Effective Code-Size Reduction for Functional Programs.
Sommario/riassunto	The 16th International Workshop on Implementation and Application of Functional Languages (IFL 2004) was held in Lübeck, Germany, September 8–10, 2004. It was jointly organized by the Institute of

Computer Science and Applied Mathematics of the University of Kiel and the Institute of Software Technology and Programming Languages of the University of Lübeck. IFL 2004 was the sixteenth event in the annual series of IFL workshops. The aim of the workshop series is to bring together researchers actively engaged in the implementation and application of functional and function-based programming languages. It provides an open forum for researchers who wish to present and discuss new ideas and concepts, work in progress, preliminary results, etc., related primarily, but not exclusively, to the implementation and application of functional languages. Topics of interest cover a wide range from theoretical aspects over language design and implementation towards applications and tool support. Previous IFL workshops were held in the United Kingdom (Southampton, Norwich, London, St Andrews, and Edinburgh), in the Netherlands (Nijmegen and Lochem), in Germany (Aachen and Bonn), in Sweden (Björkå and Stockholm), and in Spain (Madrid). In 2005, the 17th International Workshop on Implementation and Application of Functional Languages will be held in Dublin, Ireland.

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