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Titolo	Recent Trends in Data Type Specification [[electronic resource] ] : 11th Workshop on Specification of Abstract Data Types, Joint with the 8th COMPASS Workshop, Oslo, Norway, September 19 - 23, 1995, Selected Papers // edited by Magne Haveraaen, Olaf Owe, Ole-Johan Dahl
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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1130
Disciplina	005.7/3
Soggetti	Computers Software engineering Programming languages (Electronic computers) Theory of Computation Software Engineering Programming Languages, Compilers, Interpreters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Seven years of COMPASS -- Inductively defined relations: A brief tutorial extended abstract -- On the role of category theory in the area of algebraic specifications -- Unification of theories: A challenge for computing science -- The larch shared language: Some open problems -- The lambda calculus as an abstract data type -- Unifying theories in different institutions -- Interchange format for inter-operability of tools and translation -- Experiments with partial evaluation domains for rewrite specifications -- Class-sort polymorphism in GLIDER -- Deontic concepts in the algebraic specification of dynamic systems: The permission case -- Reification — Changing viewpoint but preserving truth -- A category-based equational logic semantics to constraint programming -- Concurrent state transformations on abstract data types -- A view on implementing processes: Categories of circuits -- Combining algebraic and set-theoretic specifications -- Minimal term rewriting systems -- InterACT: An interactive theorem and

completeness prover for algebraic specifications with conditional equations -- Rewriting and reasoning with set-relations II: The non-ground case completeness -- Termination of curried rewrite systems -- Formal specifications and test: Correctness and oracle -- Behavioural equivalence, bisimulation, and minimal realisation -- Using limits of parhments to systematically construct institutions of partial algebras -- Behavioural specifications in type theory -- Swinging data types -- Context institutions -- Object-oriented functional programming and type reconstruction -- Moving between logical systems -- Modular algebraic specifications and the orientation of equations into rewrite rules -- A model for I/O in equational languages with don't care non-determinism -- Tool design for structuring mechanisms for algebraic specification languages with initial semantics.

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Sommario/riassunto

This book contains a strictly refereed selection of revised full papers chosen from the papers accepted for presentation during the 11th Workshop on Abstract Data Types held jointly with the 8th COMPASS Workshop in Oslo, Norway, in September 1995. The 25 research papers included were chosen from 57 pre-selected workshop presentations; also included are six invited contributions. The volume reports the progress achieved in the area of algebraic specification since the predecessor meeting held in May 1994.

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