1.	Record Nr.	UNISA996466255203316
	Titolo	Recent Trends in Data Type Specification [[electronic resource]] : 9th Workshop on Specification of Abstract Data Types Joint with the 4th COMPASS Workshop, Caldes de Malavella, Spain, October 26 - 30, 1992. Selected Papers / / edited by Hartmut Ehrig, Fernando Orejas
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1994
	ISBN	3-540-48361-6
	Edizione	[1st ed. 1994.]
	Descrizione fisica	1 online resource (VIII, 356 p.)
	Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 785
	Disciplina	005.7/3
	Soggetti	Software engineering Programming languages (Electronic computers) Computer logic Software Engineering Programming Languages, Compilers, Interpreters Logics and Meanings of Programs
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di contenuto	Towards an algebraic semantics for the object paradigm -- Rewriting techniques for software engineering -- Identity and existence, and types in algebra -- Overloading and inheritance -- A SMoLCS based kit for defining high-level algebraic Petri nets -- Institutions for very abstract specifications -- About the "correctness" and "adequacy" of PLUSS specifications -- Semantic constructions in the specification language Glider -- On certification of specifications for TROLL light objects -- Translating TROLL light concepts to Maude -- Algebraic high level nets -- 2-Categorical specification of partial algebras -- A behavioural algebraic framework for modular system design with reuse -- On fibred adjunctions and completeness for fibred categories -- Implementing inequality and nondeterministic specifications with bi-rewriting systems -- A semantic basis for logic-independent transformation -- Unified algebras and abstract syntax -- Structured inheritance for algebraic class specifications -- Towards a theory for

the animation of algebraic specifications -- Second-order proof systems for algebraic specification languages -- An institution of object behaviour.

Sommario/riassunto	Research in the area of abstract data types started about 20 years ago. Since then there has been continuous activity with strong influence both on the applications and the theoretical foundations of methodologies for software design. The Ninth Workshop on Specification of Abstract Data Types was held jointly with the Fourth COMPASS Workshop in Spain in 1992. The main topics covered were: object-oriented specifications, rewriting methods, specification languages and associated tools, type systems, and algebraic specification of concurrency. This volumes contains four invited papers presented at the workshop together with the final versions of 17 contributed papers selected after a careful refereeing process from 46 submissions.