

1. Record Nr.	UNINA9910484369203321
Titolo	Unifying theories of programming : 4th International Symposium, UTP 2012, Paris, France, August 27-28, 2012 : revised selected papers // Burkhart Wolff, Marie-Claude Gaudel, Abderrahmane Feliachi (eds.)
Pubbl/distr/stampa	Heidelberg, : Springer, 2013
ISBN	3-642-35705-9
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (VIII, 249 p. 4 illus.)
Collana	Lecture notes in computer science, , 0302-9743 ; ; 7681 LNCS sublibrary. SL 1, Theoretical computer science and general issues
Altri autori (Persone)	WolffBurkhart GaudelM.-C (Marie-Claude) FeliachiAbderrahmane
Disciplina	005.1
Soggetti	Computer programming
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Unifying Theories of Undefinedness in UTP -- Unifying Theories of Programming with Monads -- Circus Time with Reactive Designs -- Algebra Unifies Operational Calculi -- A Probabilistic Theory of Designs Based on Distributions -- The Logic of $U\bullet(TP)^2$ -- Conscriptions: A New Relational Model for Sequential Computations -- Mechanical Approach to Linking Operational Semantics and Algebraic Semantics for Verilog Using Maude -- Unifying Operational Semantics with Algebraic Semantics for Instantaneous Reactions -- Higher-Order UTP for a Theory of Methods -- Denotational Semantics for a Probabilistic Timed Shared-Variable Language.
Sommario/riassunto	This book constitutes the refereed proceedings of the 4th International Symposium on Unifying Theories of Programming, UTP 2012, held in Paris, France, in August 2012, co-located with the 18th International Symposium on Formal Methods, FM 2012. The 8 revised full papers presented together with 2 invited talks and one invited lecture were carefully reviewed and selected from 13 submissions.