1.	Record Nr.	UNISA996465405403316
	Titolo	Tests and Proofs [[electronic resource]] : 7th International Conference, TAP 2013, Budapest, Hungary, June 16-20, 2013. Proceedings / / edited by Margus Veanes, Luca Vigano
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
	ISBN	3-642-38916-3
	Edizione	[1st ed. 2013.]
	Descrizione fisica	1 online resource (X, 233 p. 50 illus.)
	Collana	Programming and Software Engineering ; ; 7942
	Disciplina	005.1
	Soggetti	Software engineering
		Computer programming
		Computer logic
		Mathematical logic
		Programming languages (Electronic computers)
		Computer simulation
		Software Engineering
		Programming Techniques
		Logics and Meanings of Programs
		Mathematical Logic and Formal Languages
		Programming Languages, Compilers, Interpreters
		Simulation and Modeling
	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	Incremental Refinement Checking for Test Case Generation -- Time for Mutants — Model-Based Mutation Testing with Timed Automata -- Model-Based Testing for Verification Back-Ends -- A Metric for Testing Program Verification Systems -- Test Program Generation for a Microprocessor: A Case-Study -- A Declarative Debugger for Sequential Erlang Programs -- Initiating a Benchmark for UML and OCL Analysis Tools -- Speeding Up Algorithmic Debugging Using Balanced Execution Trees -- Generating Test Suites with Augmented Dynamic Symbolic Execution -- Divergent Quiescent Transition Systems.

Sommario/riassunto   This book constitutes the refereed proceedings of the 7th International Conference on Test and Proofs, TAP 2013, held in Budapest, Hungary, in June 2013, as part of the STAF 2013 Federated Conferences. The 12 revised full papers presented together with one tutorial were carefully reviewed and selected from 24 submissions. The papers are devoted to the synergy of proofs and tests, to the application of techniques from both sides and their combination for the advancement of software quality. The papers are related to the following topics: test generation; model-based testing and mutants; declarative debugging; and tool testing.