

1. Record Nr.	UNISA996418222403316
Titolo	Dependable software engineering. theories, tools, and applications : 6th international symposium, setta 2020, guangzhou, china, november 24-27, 2020, proceedings / / edited by Jun Pang, Lijun Zhang
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] ©2020
ISBN	3-030-62822-1
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIII, 203 p. 228 illus., 31 illus. in color.)
Collana	Programming and Software Engineering ; ; 12153
Disciplina	005.1
Soggetti	Formal methods (Computer science) Computers Software engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	The Road Ahead for Supervisor Synthesis -- Reentrancy? Yes. Reentrancy bug? No -- Graph Transformation Systems: a Semantics Based on (Stochastic) Symmetric Nets -- Modelling and Implementation of Unmanned Aircraft Collision Avoidance -- Randomized Re nement Checking of Timed I/O Automata -- Computing Linear Arithmetic Representation for Reachability Relation of One-counter Automata -- Compiling FL ^{res} on Finite Words -- Symbolic Model Checking with Sentential Decision Diagrams -- Probably Approximately Correct Interpolants Generation -- Symbolic Verification of MPI Programs with Non-deterministic Synchronizations -- Learning Safe Neural Network Controllers with Barrier Certificates -- Software Defect-proneness Prediction Based on Package Cohesion and Coupling Metrics.
Sommario/riassunto	This book constitutes the proceedings of the 6th International Symposium on Dependable Software Engineering, SETTA 2020, held in Guangzhou, China, in November 2020. The 10 full and 1 short paper included in this volume were carefully reviewed and selected from 20 submissions. They deal with latest research results and ideas on bridging the gap between formal methods and software engineering. .

