

1. Record Nr.	UNINA9910743688603321
Autore	Hojjat Hossein
Titolo	Fundamentals of Software Engineering : 10th International Conference, FSEN 2023, Tehran, Iran, May 4-5, 2023, Revised Selected Papers / / edited by Hossein Hojjat, Erika Ábrahám
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	9783031424410 3031424417
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (168 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 14155
Altri autori (Persone)	AbrahamErika
Disciplina	005.1
Soggetti	Software engineering Microprogramming Computer networks Computer science Software Engineering Control Structures and Microprogramming Computer Communication Networks Theory of Computation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Structured specification of paraconsistent transition systems -- Towards a Basic Theory for Partial Differentiation in the Prototype Verification System -- Case studies of development of verified programs with Dafny for accessibility assessment -- TPGen: A Self- Stabilizing GPU-Based Method for Test and Prime Paths Generation -- An Optimised Complete Strategy for Testing Symbolic Finite State Machines -- Afra: An Eclipse-Based Tool with Extensible Architecture for Modeling and Model Checking of Rebeca Family Models -- Interaction-based Offline Runtime Verification of Distributed Systems -- Genetic Algorithm for Program Synthesis -- Property-Based Conjecturing for Automated Induction in Isabelle/HOL -- Verification of the busy-forbidden protocol -- kProp: Multi-Neuron Relaxation Method for Neural Network Robustness Verification.

This book constitutes the thoroughly refereed post-conference proceedings of the 10th International Conference on Fundamentals of Software Engineering, FSEN 2023, held Tehran, Iran in May 4-5, 2023. The 9 full papers and 2 short papers presented in this volume were carefully reviewed and selected from 19 submissions. The topics of interest in FSEN span over all aspects of formal methods, especially those related to advancing the application of formal methods in the software industry and promoting their integration with practical engineering techniques. The papers are organized in topical sections on coordination, logic, networks, parallel computation, and testing.
