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Disciplina	005.1
Soggetti	Software engineering Data structures (Computer science) Information theory Natural language processing (Computer science) Computer programming Computer science Software Engineering Data Structures and Information Theory Natural Language Processing (NLP) Programming Techniques Theory of Computation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	FASE Contributions -- On Benchmarking for Concurrent Runtime Verification -- Certified Abstract Cost Analysis -- Bootstrapping Automated Testing for RESTful Web Services -- A Decision Tree Lifted Domain for Analyzing Program Families with Numerical Features -- Finding a Universal Execution Strategy for Model Transformation Networks -- CoVEGI: Cooperative Verification via Externally Generated Invariants -- Engineering Secure Self-Adaptive Systems with Bayesian Games -- An Abstract Contract Theory for Programs with Procedures

-- Paracosm: A Test Framework for Autonomous Driving Simulations --
Compositional Analysis of Probabilistic Timed Graph Transformation
Systems -- Efficient Bounded Model Checking of Heap-Manipulating
Programs using Tight Field Bounds -- Effects of Program
Representation on Pointer Analyses - An Empirical Study -- Keeping
Pace with the History of Evolving Runtime Models -- SpecTest:
Specification-Based Compiler Testing -- PASTA: An Efficient Proactive
Adaptation Approach Based on Statistical Model Checking for Self-
Adaptive Systems -- Understanding Local Robustness of Deep Neural
Networks under Natural Variations -- Test-Comp Contributions --
Status Report on Software Testing: Test-Comp 2021 -- CoVeriTest with
Adaptive Time Scheduling (Competition Contribution) -- FuSeBMC: A
White-Box Fuzzer for Finding Security Vulnerabilities in C Programs
(Competition Contribution) -- Symbiotic 8: Parallel and Targeted Test
Generation (Competition Contribution).

Sommario/riassunto

This open access book constitutes the proceedings of the 24th
International Conference on Fundamental Approaches to Software
Engineering, FASE 2021, which took place during March 27–April 1,
2021, and was held as part of the Joint Conferences on Theory and
Practice of Software, ETAPS 2021. The conference was planned to take
place in Luxembourg but changed to an online format due to the
COVID-19 pandemic. The 16 full papers presented in this volume were
carefully reviewed and selected from 52 submissions. The book also
contains 4 Test-Comp contributions. .
