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Descrizione fisica	1 online resource (IX, 145 p. 47 illus.)
Collana	Programming and Software Engineering ; ; 9274
Disciplina	005.1
Soggetti	Software engineering Computer communication systems Application software Programming languages (Electronic computers) Computer logic Management information systems Computer science Software Engineering Computer Communication Networks Information Systems Applications (incl. Internet) Programming Languages, Compilers, Interpreters Logics and Meanings of Programs Management of Computing and Information Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Biological Immunity and Software Resilience: two faces of the same coin? -- Towards Dynamic Software Diversity for Resilient Redundant Embedded Systems: A decomposition method for the verification of a real-time safety-critical protocol -- Considering execution environment resilience: A white-box approach: Engineering Cross-Layer Fault Tolerance in Many-Core Systems -- Risk assessment based cloudification -- Stochastic Model-Based Analysis of Energy Consumption in a Rail Road Switch Heating System -- Bidirectional

Crosslinking of System and Software Modeling in the Automotive Domain -- Tejo: a supervised anomaly detection scheme for NewSQL databases -- Resiliency Variance in Workows with Choice.

Sommario/riassunto

This book constitutes the refereed proceedings of the 7th International Workshop on Software Engineering for Resilient Systems, SERENE 2015, held in Paris, France, in September 2015. The 10 revised technical papers presented were carefully reviewed and selected from 18 submissions. The papers are organized in topical sections on development of resilient systems, verification, validation and evaluation of resilience, case studies and applications.
