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| 1. | Record Nr. | UNISA996200365703316 |
| | Titolo | Software Engineering for Resilient Systems [[electronic resource] ] : 7th International Workshop, SERENE 2015, Paris, France, September 7-8, 2015. Proceedings / / edited by Alessandro Fantechi, Patrizio Pelliccione |
| | Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015 |
| | ISBN | 3-319-23129-4 |
| | Edizione | [1st ed. 2015.] |
| | Descrizione fisica | 1 online resource (IX, 145 p. 47 illus.) |
| | Collana | Programming and Software Engineering ; ; 9274 |
| | Disciplina | 005.1 |
| | Soggetti | Software engineering<br>Computer communication systems<br>Application software<br>Programming languages (Electronic computers)<br>Computer logic<br>Management information systems<br>Computer science<br>Software Engineering<br>Computer Communication Networks<br>Information Systems Applications (incl. Internet)<br>Programming Languages, Compilers, Interpreters<br>Logics and Meanings of Programs<br>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.

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| 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. |