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Nota di contenuto	Shared Autonomous Mobility on Demand: A Fuzzy-based Approach and Its Performance in the Presence of Uncertainty -- Efficient Scheduling of Periodic, Aperiodic, and Sporadic Real-time Tasks with Deadline Constraints -- R-TNCES State Space Generation using Ontology-based Method on a Distributed Cloud-based Architecture -- MLCA: A Model-Learning-Checking Approach for IoT Systems -- A Real-time

Integration of Semantic Annotations into Air Quality Monitoring Sensor Data -- On Improvement of Formal Verification of Reconfigurable Real-time Systems using TCTL and CTL-based Properties on IaaS Cloud Environment -- A Genetic Algorithm with Tournament Selection for Automated Testing of Satellite On-board Image Processing -- Model-based Threat Modeling for Cyber-physical Systems: A Computer-aided Approach -- A Machine Learning based Methodology for Web Systems Codeless Testing with Selenium -- Multilevel Readability Interpretation against Software Properties: A Data-centric Approach -- Efficient Verification of Reconfigurable Discrete-event System using Isabelle/HOL Theorem Prover and Hadoop -- A Method for the Joint Analysis of Numerical and Textual IT-System Data to Predict Critical System States.

Sommario/riassunto

This book constitutes the thoroughly refereed proceedings of the 15th International Conference on Software Technologies, ICSOFT 2020, which was held virtually due to the Covid-19 pandemic. The 12 revised full papers were carefully reviewed and selected from 95 submissions. The papers deal with the following topics: business process modelling; IT service management; interoperability and service-oriented architecture; project management software; scheduling and estimating; software metrics; requirements elicitation and specification; software and systems integration among others.
