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Soggetti	Software engineering Logic design Computers Computer system failures Software Engineering Logic Design Computing Milieux System Performance and Evaluation
Lingua di pubblicazione	Inglese
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Note generali	Includes index.
Nota di contenuto	Services and Micro-services -- Guiding Architectural Decision Making on Service Mesh Based Microservice Architectures -- Supporting Architectural Decision Making on Data Management in Microservice Architectures -- From a Monolith to a Microservices Architecture: An Approach Based on Transactional Contexts -- Software Architecture in Development Process -- An Exploratory Study of Naturalistic Decision Making in Complex Software Architecture Environments -- Evaluating the Eectiveness of Multi-level Greedy Modularity Clustering for Software Architecture Recovery -- What Quality Attributes Can we Find in Product Backlogs? A Machine Learning Perspective -- Architecturing Elastic Edge Storage Services for Data-Driven Decision Making -- Adaptation and Design Space Exploration -- Continuous Adaptation Management in Collective Intelligence Systems -- ADOOPLA – Product-Line- and Product-Level PLA Optimization -- Assessing Adaptability of

Software Architectures for Cyber Physical Production Systems -- Quality Attributes -- Optimising Architectures for Performance, Cost, and Security -- QoS-based Formation of Software Architectures in the Internet of Things -- A Survey on Big Data Analytics Solutions Deployment -- Assessing the Quality Impact of Features in Component-based Software Architectures -- Components and Design Alternatives in E-Assessment Systems -- Industry track -- A Four-Layer Architecture Pattern for Constructing and Managing Digital Twins -- Tool Support for the Migration to Microservice Architecture: An Industrial Case Study -- ACE: Easy Deployment of Field Optimization Experiments.

Sommario/riassunto

This book constitutes the refereed proceedings of the 13th European Conference on Software Architecture, ECSA 2019, held in Paris, France, in September 2019. In the Research Track, 11 full papers presented together with 4 short papers were carefully reviewed and selected from 63 submissions. They are organized in topical sections as follows: Services and Micro-services, Software Architecture in Development Process, Adaptation and Design Space Exploration, and Quality Attributes. In the Industrial Track, 6 submissions were received and 3 were accepted to form part of these proceedings. .
