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   Soggetti           Software engineering
                      Computer science
                      Computer networks
                      Electronic data processing - Management
                      Application software
                      Compilers (Computer programs)
                      Software Engineering
                      Computer Science Logic and Foundations of Programming
                      Computer Communication Networks
                      IT Operations
                      Computer and Information Systems Applications
                      Compilers and Interpreters

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   Nota di contenuto  Architecture Decisions and Knowledge -- A Fresh Look at Codification Approaches for SAKM: A Systematic Literature Review -- Suitability of Software Architecture Decision Making Methods for Group Decisions -- Modeling the Interactions between Decisions within Software Architecture Knowledge -- Semi-automated Design Guidance Enhancer (SADGE): A Framework for Architectural Guidance Development -- Combining Architectural Design Decisions and Legacy System Evolution -- Architecture Patterns and Anti-Patterns -- Specification and Detection of SOA Antipatterns in Web Services -- Co-evolving Pattern

Synthesis and Class Responsibility Assignment in Architectural Synthesis -- Ontology-Driven Pattern Selection and Matching in Software Design -- Reference Architectures and Metamodels -- Towards an Improved Stakeholder Management for Software Reference Architectures -- RA-Ubi: A Reference Architecture for Ubiquitous Computing -- Towards a Coordination-Centric Architecture Metamodel for Social Web Applications -- Architecture Description Languages -- Using Policies for Handling Complexity of Event-Driven Architectures -- Architecture-Based Code Generation: From –ADL Architecture Descriptions to Implementations in the Go Language -- Generating EAST-ADL Event Chains from Scenario-Based Requirements Specifications -- Enterprise Architecture, SOA and Cloud Computing -- Architecture Strategies for Cyber-Foraging: Preliminary Results from a Systematic Literature Review -- Adapting Enterprise Architecture at a Software Development Company and the Resultant Benefits -- Service Development and Architecture Management for an Enterprise SOA -- Multi-tenant Architecture Comparison -- Integrating Service Matchers into a Service Market Architecture -- Towards a Process to Design Architectures of Service-Oriented Robotic Systems -- Scalable Architectures for Platform-as-a-Service Clouds: Performance and Cost Analysis -- Components and Connectors -- Enactment of Components Extracted from an Object-OrientedApplication -- Gossiping Components for Cyber-Physical Systems -- A Property Description Framework for Composable Software -- Layered Connectors: Revisiting the Formal Basis of Architectural Connection for Complex Distributed Systems -- Effort Estimation for Architectural Refactoring to Introduce Module Isolation -- Quality Attributes -- Interoperability-Related Architectural Problems and Solutions in Information Systems: A Scoping Study -- fUML-Driven Design and Performance Analysis of Software Agents for Wireless Sensor Network -- Runtime Enforcement of Dynamic Security Policies -- Architectural Support for Model-Driven Performance Prediction of Distributed Real-Time Embedded Systems of Systems -- Safety Perspective for Supporting Architectural Design of Safety-Critical Systems -- Architecture Analysis and Verification -- How Do Software Architects Specify and Validate Quality Requirements -- Recommending Refactorings to Re-establish Architectural Consistency -- A Consistency Framework for Dynamic Reconfiguration in AO-Middleware Architectures.

| Sommario/riassunto | This book constitutes the proceedings of the 8th European Conference on Software Architecture, ECSA 2014, held in Vienna, Austria, in August 2014. The 16 full papers and 18 short papers presented in this volume were carefully reviewed and selected from 91 submissions. They are organized in topical sections named: architecture decisions and knowledge; architecture patterns and anti-patterns; reference architectures and metamodels; architecture description languages; enterprise architecture, SOA and cloud computing; components and connectors; quality attributes; and architecture analysis and verification. |