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Soggetti	Software engineering Computer logic Computer communication systems Management information systems Computer science Application software Programming languages (Electronic computers) Software Engineering Logics and Meanings of Programs Computer Communication Networks Management of Computing and Information Systems Information Systems Applications (incl. Internet) Programming Languages, Compilers, Interpreters Kongress2013.Montpellier Conference papers and proceedings.
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Design Patterns -- Building Correct by Construction SOA Design Patterns: Modeling and Refinement -- Towards an Architecture for Managing Big Semantic Data in Real-Time -- Controlled Experiment on the Supportive Effect of Architectural Component Diagrams for Design Understanding of Novice Architects -- Software Architecture Documentation for Developers: A Survey -- Analysis Support for TADL2 Timing Constraints on EAST-ADL Models -- SysADL: A SysML Profile for Software Architecture Description -- A Lightweight Language for Software Product Lines Architecture Description -- Towards a Multi-scale Modeling for Architectural Deployment Based on Bigraphs -- Classification of Design Decisions – An Expert Survey in Practice -- Team Situational Awareness and Architectural Decision Making with the Software Architecture Warehouse -- Architectural Decision-Making in Enterprises: Preliminary Findings from an Exploratory Study in Norwegian Electricity Industry -- Making the Right Decision: Supporting Architects with Design Decision Data -- Architecture-Centric Modeling of Design Decisions for Validation and Traceability -- Difficulty of Architectural Decisions – a Survey with Professional Architects -- The Role of Quality Attributes in Service-Based Systems Architecting: A Survey -- Maintaining Architectural Conformance during Software Development: A Practical Approach -- Supporting Consistency between Architectural Design Decisions and Component Models through Reusable Architectural Knowledge Transformations -- PANDArch: A Pluggable Automated Non-intrusive Dynamic Architecture Conformance Checker -- Claims and Evidence for Architecture-Based Self-adaptation: A Systematic Literature Review -- Towards an Optimized Software Architecture for Component Adaptation at Middleware Level -- Run-Time Support to Manage Architectural Variability Specified with CVL -- Towards Extensive Software Architecture Erosion Repairs -- Benefits and Drawbacks of Reference Architectures -- Swap Fairness for Thrashing Mitigation -- Architectural Slicing: Towards Automatic Harvesting of Architectural Prototypes -- Describing Cloud Applications Architectures -- MVIC – An MVC Extension for Interactive, Multimodal Applications -- Toward Industry Friendly Software Architecture Evaluation -- Towards Continuous Reference Architecture Conformance Analysis -- Towards Automated Deployment of Distributed Adaptation Systems -- Towards a Bigraph-Based Model for Context-Aware Adaptive Systems -- Characterising Software Platforms from an Architectural Perspective -- Specifying System Architecture from SysML Requirements and Component Interfaces.

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#### Sommario/riassunto

This book constitutes the proceedings of the 7th European Conference on Software Architecture, ECSA 2013, held in Montpellier, France, in July 2013. The 25 full papers and 11 poster papers presented in this volume were carefully reviewed and selected from a total of 82 submissions. The contributions are organized in topical sections named: architectural and design patterns and models; ADLs and architectural MetaModels; architectural design decision-making; software architecture conformance and quality; and architectural repair and adaptation.

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