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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
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 Architectural Decisions -- a Survey with Professional Architects -- The
 Role of Quality Attributes in Service-Based Systems Architecting: A
 Survey -- Maintaining Architectural Conformance during Software
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 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.

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.