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Composition of Semantic Services -- Engineering Service Oriented Applications: From StPowla Processes to SRML Models -- Verification and Testing I -- A Logic of Graph Constraints -- A Generic Complete Dynamic Logic for Reasoning About Purity and Effects -- Modelling and Verification of Timed Interaction and Migration -- A Model Checking Approach for Verifying COWS Specifications -- Verification and Testing II -- Contextual Integration Testing of Classes -- An Automatic Verifier for Java-Like Programs Based on Dynamic Frames -- A Domain Analysis to Specify Design Defects and Generate Detection Algorithms -- Automated Analysis of Permission-Based Security Using UMLsec -- Objects and Components -- Software Quality Improvement Via Pattern Matching -- Object Composition in Scenario-Based Programming -- Regular Inference for State Machines Using Domains with Equality Tests -- COMP-REF: A Technique to Guide the Delegation of Responsibilities to Components in Software Systems.-Models, Model Transformations II -- Verification of Architectural Refactorings by Rule Extraction -- Formal Model-Driven Program Refactoring -- An Algebraic Semantics for MOF -- A Formal Framework for Developing Adaptable Service-Based Applications -- Language-Based Optimisation of Sensor-Driven Distributed Computing Applications -- Clint: A Composition Language Interpreter (Tool Paper).

| Sommario/riassunto | This proceedings volume covers requirements and architectures, models and model transformations, conceptual models and UML, service engineering and adaptable services, verification and testing, and objects and components. |