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Collana	Programming and Software Engineering ; ; 8997
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Soggetti	Software engineering
	Mathematical logic
	Computer logic
	Programming languages (Electronic computers)
	Computer programming
	Management information systems
	Computer science
	Software Engineering
	Mathematical Logic and Formal Languages Logics and Meanings of Programs
	Programming Languages, Compilers, Interpreters
	Programming Techniques
	Management of Computing and Information Systems
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Nota di contenuto	Components as Location Graphs A Formal Approach to Autonomic Systems Programming: The SCEL Language Compositional Approaches Verified Service Compositions by Template-Based Construction Compositional Verification of Asynchronously Communicating Systems Compositional Analysis Using Component- Oriented Interpolation Adaptation and Evolution Impact Models for Architecture-Based Self-adaptive Systems Decentralised Evaluation of Temporal Patterns over Component-Based Systems at

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	Runtime Formal Rules for Reliable Component-Based Architecture Evolution Application and Experience Solving Parity Games in Scala Synthesis of a Reconfiguration Service for Mixed-Criticality Multi-Core Systems: An Experience Report Tools From HELENA Ensemble Specifications to Executable Code MAccS: A Tool for Reachability by Design MPASS: An Efficient Tool for the Analysis of Message-Passing Programs Scheduling, Time and Hybrid Systems Widening the Schedulability of Hierarchical Scheduling Systems Adding Formal Meanings to AADL with Hybrid Annex Component- Based Modeling and Observer-Based Verification for Railway Safety- Critical Applications Other Verification Approaches Intransitive Non-Interference by Unfolding Reduction and Abstraction Techniques for BIP Compositionality for Quantitative Specifications Safety and Liveness of Composition Algorithmic Verification of Procedural Programs in the Presence of Code Variability Place- Liveness of ComSA Applications Weakness: Verifying Correctness on TSO Architectures.
Sommario/riassunto	This book constitutes revised selected papers from the International Symposium on Formal Aspects of Component Software, FACS 2014, held in Bertinoro, Italy, in September 2014. The 20 full papers presented in this volume were carefully reviewed and selected from 44 submissions. They are organized in topical sections named: compositional approaches; adaptation and evolution; application and experience; tools; scheduling, time and hybrid systems; other verification approaches and safety and liveness of composition. The volume also contains two invited talks, one full paper and one abstract.