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Nota di contenuto	Invited Papers and Abstract -- Invariants and Well-Foundedness in Program Algebra -- A Theory of Software Product Line Refinement -- The TLA?+? Proof System: Building a Heterogeneous Verification Platform -- Grammars -- Subtyping Algorithm of Regular Tree Grammars with Disjoint Production Rules -- Minimal Tree Language Extensions: A Keystone of XML Type Compatibility and Evolution -- Tracking Down the Origins of Ambiguity in Context-Free Grammars -- Semantics -- Prioritized slotted-Circus -- A Denotational Semantical Model for Orc Language -- An Extended cCSP with Stable Failures Semantics -- Preference and Non-deterministic Choice -- Modelling -- Material Flow Abstraction of Manufacturing Systems -- Specification and Verification of a MPI Implementation for a MP-SoC -- Special Track: Formal Aspects of Software Testing and Grand Challenge in Verified Software -- Testing of Abstract Components -- Scalable Distributed Concolic Testing: A Case Study on a Flash Storage Platform -- Analyzing a Formal Specification of Mondex Using Model Checking -- Formal Modelling of Separation Kernel Components -- Mechanized Verification with Sharing -- Industrial-Strength Certified SAT Solving

through Verified SAT Proof Checking -- Dynamite 2.0: New Features Based on UnSAT-Core Extraction to Improve Verification of Software Requirements -- Logics -- Complete Calculi for Structured Specifications in Fork Algebra -- Towards Managing Dynamic Reconfiguration of Software Systems in a Categorical Setting -- Characterizing Locality (Encapsulation) with Bisimulation -- Justification Logic and History Based Computation -- Algorithms and Types -- A Class of Greedy Algorithms and Its Relation to Greedoids -- On Arithmetic Computations with Hereditarily Finite Sets, Functions and Types -- A Modality for Safe Resource Sharing and Code Reentrancy.