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	Nota di contenuto	Quantitative Analysis of Collective Adaptive Systems -- What You Always Wanted to Know about Model Checking of Fault-Tolerant Distributed Algorithms -- Applying MDA to Generate Hadoop Based Scientific Computing Applications -- Site-Level Web Template Extraction based on DOM Analysis -- Verification Support for a State-Transition-DSL Defined with Xtext -- Towards using exact real arithmetic for initial value problems -- Constraint Solving for Verifying Modal Specifications of Workflow Nets with Data -- Behavioural Analysis of Sessions using the Calculus of Structures -- Using Refinement in Formal Development of OS Security Model -- onflict Resolution in Multi-agent Systems with Typed Connections for Ontology Population -- Maximally-Polyvariant Partial Evaluation in Polynomial Time -- Dynamics Security Policies and Process Opacity for

Timed Process Algebras -- Estimating Development E_ort for Software Architectural Tactics -- Clone Detection in Reuse of Software Technical Documentation -- Modeling Actor Systems Using Dynamic I/O Automata -- RSSA: A Reversible SSA Form -- Checking Several Requirements at once by CEGAR -- Unifying Requirements and Code: an Example -- Program Scheme Technique to Solve Propositional Program Logics Revised -- Automated Two-Phase Composition of Timed Web Services -- Equivalence of Finite-Valued Symbolic Finite Transducers -- Relaxed Parsing of Regular Approximations of String-Embedded Languages -- Branching Processes of Timed Petri Nets -- Implementation and Evaluation of Contextual Natural Deduction for Minimal Logic.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 10th International Andrei Ershov Informatics Conference, PSI 2015, held in Kazan and Innopolis, Russia, in August 2015. The 2 invited and 23 full papers presented in this volume were carefully reviewed and selected from 56 submissions. The papers cover various topics related to the foundations of program and system development and analysis, programming methodology and software engineering and information technologies. |