

1. Record Nr.	UNISA996464506203316
Titolo	Formal methods : foundations and applications : 24th Brazilian Symposium, SBMF 2021, virtual event, December 6-10, 2021 : proceedings / / Sergio Campos, Marius Minea (editors)
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-92137-9
Descrizione fisica	1 online resource (149 pages)
Collana	Lecture notes in computer science ; ; 13130
Disciplina	004.0151
Soggetti	Formal methods (Computer science)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- Organization -- Contents -- A Two-Level Approach Based on Model Checking to Support Architecture Conformance Checking -- 1 Introduction -- 2 Theoretical Background -- 2.1 Model Checking -- 2.2 Temporal Logic and Hybrid Logic -- 2.3 Software Versioning -- 3 The Proposed Method -- 3.1 Call Graphs as Kripke Structures -- 3.2 Version Graphs as Kripke Structures -- 3.3 The Proposed Logic: A Two-Level Temporal Logic for Specifications Checking -- 3.4 Examples -- 4 Conclusion and Future Works -- References -- Statistical Model Checking for Traffic Models -- 1 Introduction -- 2 Background -- 2.1 SMC and MultiVeStA -- 2.2 SUMO - Simulation of Urban MObility -- 2.3 Car-Following and Lane Changing Models -- 3 Integration of MultiVeStA and SUMO Simulator -- 3.1 Initial Step -- 3.2 Integration -- 4 Simulation Experiments and Results -- 4.1 Simple Queries -- 4.2 Query 1: Behaviour on Emergency Vehicles -- 4.3 Query 2: Traffic Load Comparison -- 4.4 Query 3: Load Conditions for Traffic Jams -- 4.5 Query 4: Impending Drop in Traffic -- 4.6 Running Times -- 5 Conclusion and Future Work -- References -- Visual Specification of Properties for Robotic Designs -- 1 Introduction -- 2 Background -- 2.1 RoboChart -- 2.2 UML Activity Diagram -- 2.3 CSP Notation, Templates and Tools Used in the Work -- 3 Diagrammatic Language for Properties -- 3.1 Language Syntax -- 3.2 Language Semantics -- 4 Tool Support -- 5 Related Work -- 6

Conclusion -- References -- Model Checking and Strategy Synthesis for Multi-agent Systems for Resource Allocation -- 1 Introduction -- 2 Multi-agent Systems for Resource Allocation -- 3 Propositional Logic Encoding -- 3.1 Overall Encoding -- 3.2 Basic Encodings -- 3.3 Properties of the Encoding -- 4 Algorithm -- 5 Implementation and Experiments -- 6 Related Work -- 7 Conclusion and Outlook -- References.

Temporal Reasoning Through Automatic Translation of tock-CSP into Timed Automata -- 1 Introduction -- 2 Background -- 3 An Overview of the Translation Technique -- 4 Evaluation -- 4.1 Experimental Evaluation -- 4.2 Mathematical Proof -- 5 Related Work and Conclusions -- References -- Module Integration Using Graph Grammars (MIGRATE) -- 1 Introduction -- 2 Graph Grammars -- 3 Illustration of the Proposed Approach -- 4 Module Nets -- 5 MIGRATE Approach -- 5.1 Translation -- 5.2 Verification -- 6 Related Work -- 7 Conclusion -- References -- Cost Analysis for an Actor-Based Workflow Modelling Language -- 1 Introduction -- 2 Formal Workflow Modelling Language Rpl -- 2.1 The Syntax of Rpl -- 2.2 The Semantics of Rpl -- 3 Analysis of Rpl Program -- 3.1 Synchronisation Schema -- 3.2 Accumulated Costs -- 3.3 Translation Function -- 4 Properties -- 5 Related Work -- 6 Conclusion -- References -- Minimization of the Number of Clocks for Timed Scenarios -- 1 Introduction -- 2 Preliminaries -- 2.1 Timed Automata -- 2.2 Timed Scenarios -- 3 A New Optimization Algorithm -- 3.1 Cyclic Dependencies -- 3.2 Cyclic Dependencies and Equality Constraints -- 3.3 C(Ds) with Cyclic Dependencies -- 3.4 Resolving Cyclic Dependencies -- 3.5 The Optimization Algorithm -- 4 Conclusions -- References -- Author Index.

2. Record Nr.	UNINA9910520207203321
Titolo	Nantong Daxue xuebao. Ziran kexue ban/##Nantong Daxue xuebao. Ziran kexue ban [[nan tong da xue xue bao zi ran ke xue ban]]
Pubbl/distr/stampa	Nantong Shi, : Nantong da xue xue bao (zi ran ke xue ban) bian ji bu
Descrizione fisica	1 online resource
Soggetti	Technology Science Sciences Technologie Tecnología Ciencias Periodical periodicals Periodicals. Périodiques.
Lingua di pubblicazione	Cinese
Formato	Materiale a stampa
Livello bibliografico	Periodico