1.	Record Nr.	UNINA9910427720303321
	Titolo	Formal Modeling and Analysis of Timed Systems : 18th International Conference, FORMATS 2020, Vienna, Austria, September 1–3, 2020, Proceedings / / edited by Nathalie Bertrand, Nils Jansen
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
	ISBN	3-030-57628-0
	Edizione	[1st ed. 2020.]
	Descrizione fisica	1 online resource (X, 301 p. 657 illus., 55 illus. in color.)
	Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 12288
	Disciplina	004.0151
	Soggetti	Computer science Artificial intelligence Microprogramming Computer systems Computers, Special purpose Computers Theory of Computation Artificial Intelligence Control Structures and Microprogramming Computer System Implementation Special Purpose and Application-Based Systems Computer Hardware
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	On the Semantics of Polychronous Polytimed Specifications -- Backward Symbolic Optimal Reachability in Weighted Timed Automata -- Certifying Emptiness of Timed Büchi Automata -- Learning Specifications for Labelled Patterns -- On Subgame Perfect Equilibria in Turn-Based Reachability Timed Games -- Computing Maximally-Permissive Strategies in Acyclic Timed Games -- Dynamic Causes for the Violation of Timed Reachability Properties -- Active Learning of Timed Automata with Unknown Resets -- Computation of Transient in Max-Plus Linear Systems via SMT-Solving -- Clairvoyant Monitoring for

Signal Temporal Logic Patterns -- Embedding Online RV for Fault Disambiguation on Robonaut2 -- Guarded Autonomous Transitions Increase Conciseness and Expressiveness of Timed Automata -- Probabilistic Guarantees for Safe Deep Reinforcement Learning -- Incremental Methods for Checking Real-Time Consistency -- Reachability Analysis of Nonlinear Systems Using Hybridization and Dynamics Scaling -- Weakness Monitors for Fail-Aware Systems.

Sommario/riassunto	This book constitutes the refereed proceedings of the 18th International Conference on Formal Modeling and Analysis of Timed Systems, FORMATS 2020, held in Vienna, Austria, in September 2020. The 16 full papers and 2 short papers presented in this volume were carefully reviewed and selected from 42 submissions. The papers focus on topics such as foundations and semantics, methods and tools, techniques, algorithms, data structures, and software tools for analyzing timed systems and resolving temporal constraints. Due to the Corona pandemic this conference was held as a virtual event.