Record Nr. UNISA996464431703316 Model Checking, Synthesis, and Learning [[electronic resource]]: **Titolo** Essays Dedicated to Bengt Jonsson on The Occasion of His 60th Birthday / / edited by Ernst-Rüdiger Olderog, Bernhard Steffen, Wang Yi Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa **ISBN** 3-030-91384-8 Edizione [1st ed. 2021.] Descrizione fisica 1 online resource (228 pages) Collana Theoretical Computer Science and General Issues, , 2512-2029;; 13030 004.0151 Disciplina Soggetti Computer science Artificial intelligence Software engineering Microprogramming Computers, Special purpose Computer Science Logic and Foundations of Programming Artificial Intelligence Software Engineering Control Structures and Microprogramming Special Purpose and Application-Based Systems Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Model Checking, Synthesis, and Learning -- From Linear Temporal Nota di contenuto Logics to Büchi Automata: The Early and Simple Principle -- Cause-Effect Reaction Latency In Real-Time Systems -- Quantitative Analysis of Interval Markov Chains -- Regular Model Checking: Evolution and Perspectives -- Regular Model Checking Revisited -- High-Level Representation of Benchmark Families for Petri Games -- Towards Engineering Digital Twinsby Active Behaviour Mining -- Never-Stop Context-Free Learning -- A Taxonomy and Reductions for Common Register Automata Formalisms.

This Festschrift, dedicated to Bengt Jonsson on the occasion of his 60th

birthday, contains papers written by many of his friends and

Sommario/riassunto

collaborators. Bengt has made major contributions covering a wide range of topics including verification and learning. His works on verification, in finite state systems, learning, testing, probabilistic systems, timed systems, and distributed systems reflect both the diversity and the depth of his research. Besides being an excellent scientist, Bengt is also a leader who has greatly influenced the careers of both his students and his colleagues. His main focus throughout his career has been in the area of formal methods, and the research papers dedicated to him in this volume address related topics, particularly related to model checking, temporal logic, and automata learning.