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Nota di contenuto	Intro -- Preface -- Organization -- Abstracts -- A Behaviour-Based Approach to Quantitative Validation of Cyber-Physical Systems -- A Personal History of Formal Modeling and Analysis of Timed Systems Before There was FORMATS -- Contents -- Invited Papers -- Algebraic Model Checking for Discrete Linear Dynamical Systems -- 1 Introduction -- 1.1 Skolem Oracles -- 1.2 Main Results -- 2 Algebraic Model Checking -- 3 Conclusion -- References -- Zone-Based Verification of Timed Automata: Extrapolations, Simulations and What Next? -- 1 Introduction -- 2 Birth of Timed Automata for Verification: The Early 90's -- 2.1 Preliminaries -- 2.2 The Timed Automaton Model ch2AD90,ch2AD94 -- 3 A Symbolic Approach to the Verification of Timed Automata -- 3.1 Zones and Symbolic Forward Computation -- 3.2 Difference Bounded Matrices (DBMs) -- 3.3 Efficiency of the Forward Analysis -- 4 Extrapolation: A First Solution -- 4.1 The First Extrapolation Operator -- 4.2 Two Refinements of This Approach -- 4.3 Problems with Diagonal Clock Constraints -- 5 Simulation: An Alternative Solution -- 6 Beyond Reachability -- 6.1 Weighted Timed Automata -- 6.2 Liveness Properties -- 7 Tools -- 7.1 A Tool for Verifying Timed Automata: Uppaal -- 7.2 The Tool TChecker -- 8 What Next? -- 8.1 BDD and SAT Based Methods -- 8.2 The Local-Time

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