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Nota di contenuto	Intro -- Preface -- Organization -- Contents -- Verification and Control of Probabilistic Rectangular Hybrid Automata -- 1 Background and Motivation -- 2 Probabilistic Rectangular Hybrid Automata -- 3 Approximation with Probabilistic Hybrid Automata -- References -- Performance Evaluation of an Emergency Call Center: Tropical Polynomial Systems Applied to Timed Petri Nets -- 1 Introduction -- 2 A Simplified Petri Net Model of an Emergency Call Center -- 3 Piecewise Linear Dynamics of Timed Petri Nets with Free Choice and Priority Routing -- 3.1 Timed Petri Nets: Notation and Semantics -- 3.2 Timed Petri Nets with Free Choice and Priority Routing -- 3.3 Piecewise Linear Representation by Counter Variables -- 4 Computing Stationary Regimes -- 5 Application to the Emergency Call Center -- 6 Experiments -- 7 Concluding Remarks -- References -- Language

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Sommario/riassunto

This book constitutes the refereed proceedings of the 13th International Conference on Formal Modeling and Analysis of Timed Systems, FORMATS 2015, held in Madrid, Spain, in September 2015. The conference was organized under the umbrella of Madrid Meet 2015, a one week event focussing on the areas of formal and quantitative analysis of systems, performance engineering, computer safety, and industrial critical applications. The 19 papers presented in this volume were carefully reviewed and selected from 42 initial submissions.

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