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Nota di contenuto	Cover; Title Page; Copyright Page; Table of Contents; Preface; Chapter 1. Ellipsoidal Output-Feedback Sets for H Control of a Class of Stochastic Hybrid Systems with State-Dependent Noise; Chapter 2. A Contribution to the Study of Periodic Systems in the Behavioral Approach; Chapter 3. Iteratively Improving Moving Horizon Observers for Repetitive Processes; Chapter 4. Exponential Stability of Dynamic Equations on Time Scales; Chapter 5. Jurdjevic-Quinn Conditions and Discontinuous Bounded Damping Control Chapter 6. Smooth Approximations of Single-Input Optimal Orbital Transfer using Continuation and Averaging TechniquesChapter 7. Achieving Stability in Non-holonomic Systems by Means of Switched Control Laws; Chapter 8. Stability of Equilibria for Hybrid Models of Genetic Regulatory Networks; Chapter 9. Tools for Semiglobal Practical

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Sommario/riassunto

This book gathers together a selection of papers presented at the Joint CTS-HYCON Workshop on Nonlinear and Hybrid Control held at the Paris Sorbonne, France, 10-12 July 2006. The main objective of the Workshop was to promote the exchange of ideas and experiences and reinforce scientific contacts in the large multidisciplinary area of the control of nonlinear and hybrid systems.