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	Nota di contenuto	Handbook of Chaos Control; Contents; Preface; List of Contributors; Part I Basic Aspects and Extension of Methods; 1 Controlling Chaos; 1.1 Introduction; 1.2 The OGY Chaos Control; 1.3 Targeting-Steering Chaotic Trajectories; 1.3.1 Part I: Finding a Proper Trajectory; 1.3.2 Part II: Finding a Pseudo-Orbit Trajectory; 1.3.3 The Targeting Algorithm; 1.4 Applying Control of Chaos and Targeting Ideas; 1.4.1 Controlling an Electronic Circuit; 1.4.2 Controlling a Complex System; 1.5 Conclusion; References; 2 Time-Delay Control for Discrete Maps; 2.1 Overview: Why Study Discrete Maps? 2.2 Theme and Variations2.2.1 Rudimentary Time-Delay Feedback; 2.2.2 Extending the Domain of Control; 2.2.3 High-Dimensional Systems; 2.3 Robustness of Time-Delay Stabilization; 2.4 Summary; Acknowledgments; References; 3 An Analytical Treatment of the Delayed Feedback Control Algorithm; 3.1 Introduction; 3.2 Proportional Versus Delayed Feedback; 3.3 Controlling Periodic Orbits Arising from a Period Doubling Bifurcation; 3.3.1 Example: Controlling the Rossler

Sommario/riassunto	This long-awaited revised second edition of the standard reference on the subject has been considerably expanded to include such recent developments as novel control schemes, control of chaotic space-time patterns, control of noisy nonlinear systems, and communication with chaos, as well as promising new directions in research. The contributions from leading international scientists active in the field provide a comprehensive overview of our current level of knowledge on chaos control and its applications in physics, chemistry, biology, medicine, and engineering. In addition, they show the ove