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Autore	Liu Xinzhi
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Nota di contenuto	I. Introduction -- 1. Introduction -- II. Discrete-Time Impulsive Systems -- 2. Stability of Discrete-Time Impulsive Systems with Time-Delay -- 3. Application to Synchronization of Dynamical networks -- III. Continuous-Time Impulsive Systems -- 4. Stability of Impulsive Systems with Time-Delay -- 5. Consensus of Multi-Agent Systems -- 6. Stabilization and Synchronization of Dynamical Networks -- IV. Impulsive Systems on Time Scales -- 7. Differential Equations on Time Scales -- 8. Stability in terms of Two Measures of Impulsive Systems on Time Scales -- 9. Exponential Stability of Impulsive Time-Delay Systems on Time Scales -- 10. Control Problems on Time Scales -- V. Conclusions and Future Work -- 11. Conclusions and Future Directions.
Sommario/riassunto	This monograph discusses the issues of stability and the control of impulsive systems on hybrid time domains, with systems presented on discrete-time domains, continuous-time domains, and hybrid-time domains (time scales). Research on impulsive systems has recently

attracted increased interest around the globe, and significant progress has been made in the theory and application of these systems. This book introduces recent developments in impulsive systems and fundamentals of various types of differential and difference equations. It also covers studies in stability related to time delays and other various control applications on the different impulsive systems. In addition to the analyses presented on dynamical systems that are with or without delays or impulses, this book concludes with possible future directions pertaining to this research.
