

1. Record Nr.	UNINA9910299945703321
Autore	Bandyopadhyay Bijnan
Titolo	Event-Triggered Sliding Mode Control : A New Approach to Control System Design // by Bijnan Bandyopadhyay, Abhisek K. Behera
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-74219-1
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (139 pages) : illustrations
Collana	Studies in Systems, Decision and Control, , 2198-4182 ; ; 139
Disciplina	629.8
Soggetti	Automatic control System theory Calculus of variations Vibration Dynamics Control and Systems Theory Systems Theory, Control Calculus of Variations and Optimal Control; Optimization Vibration, Dynamical Systems, Control
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Sommario/riassunto	This edited monograph provides a comprehensive and in-depth analysis of sliding mode control, focusing on event-triggered implementation. The technique allows to prefix the steady-state bounds of the system, and this is independent of any boundary disturbances. The idea of event-triggered SMC is developed for both single input / single output and multi-input / multi-output linear systems. Moreover, the reader learns how to apply this method to nonlinear systems. The book primarily addresses research experts in the field of sliding mode control, but the book may also be beneficial for graduate students.