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Titolo	Applications of Sliding Mode Control // edited by Nabil Derbel, Jawhar Ghommam, Quanmin Zhu
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Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (366 p.)
Collana	Studies in Systems, Decision and Control, , 2198-4190 ; ; 79
Disciplina	620
Soggetti	Control engineering Multibody systems Vibration Mechanics, Applied Engineering mathematics Engineering—Data processing Mathematics Control and Systems Theory Multibody Systems and Mechanical Vibrations Mathematical and Computational Engineering Applications Applications of Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Review and survey -- First order sliding mode control -- Second order sliding mode control -- Adaptive sliding mode control -- Discrete sliding mode control -- Sliding mode observers.
Sommario/riassunto	This book presents essential studies and applications in the context of sliding mode control, highlighting the latest findings from interdisciplinary theoretical studies, ranging from computational algorithm development to representative applications. Readers will learn how to easily tailor the techniques to accommodate their ad hoc applications. To make the content as accessible as possible, the book employs a clear route in each paper, moving from background to motivation, to quantitative development (equations), and lastly to case studies/illustrations/tutorials (simulations, experiences, curves, tables,

etc.). Though primarily intended for graduate students, professors and researchers from related fields, the book will also benefit engineers and scientists from industry. .
