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Titolo	Methods of Developing Sliding Mode Controllers : Design and Matlab Simulation
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2025 ©2025
ISBN	9781394314492 1394314493 9781394314522 1394314523 9781394314508 1394314507
Edizione	[1st ed.]
Descrizione fisica	1 online resource (254 pages)
Collana	IEEE Press Series on Control Systems Theory and Applications Series
Altri autori (Persone)	RabbaniMostafa
Disciplina	510.285536
Soggetti	Sliding mode control
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	"This book provides a practical review of sliding mode controllers (SMC), proposing a complete and fast access to related theorems, stability analysis, MATLAB programming and results, and quantitative and comprehensive analysis. Consisting of 12 chapters, the book addresses SMC and their challenges, how to program and simulate these controllers in MATLAB, and looks at a range of fast and non-singular sliding mode controllers, dynamic sliding controllers, fuzzy sliding controllers, adaptive sliding controllers, super-twisting sliding mode controllers. The combination of sliding and backstepping control, which is of great interest due to its ability to separate and design step by step, is introduced and simulated, and the phenomenon of chattering and the effective solutions to reduce it are studied along with providing suitable examples and analytical tables of the results. The final two chapters are related to fixed time and event triggered SMCs. The authors aim to introduce basic techniques of SMC improvement to those who are interested in design and simulation of

	sliding mode controllers and control of nonlinear systems, quickly and easily."--

2. Record Nr. UNICAMPANIAVAN00301791

Titolo	Electrochemical Exfoliation of Graphene and Its Derivatives : Commercial Applications / Raju Khan ... [et al.] editors
Pubbl/distr/stampa	Singapore, : Springer, 2024
Descrizione fisica	xix, 338 p. : ill. ; 24 cm
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia