1. Record Nr. UNINA9910484210403321

Titolo	Advanced Control Engineering Methods in Electrical Engineering Systems / / edited by Mohammed Chadli, Sofiane Bououden, Salim Ziani, Ivan Zelinka
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-319-97816-0
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (588 pages)
Collana	Lecture Notes in Electrical Engineering, , 1876-1100 ; ; 522
Disciplina	629.8
Soggetti	Control engineering Signal processing Image processing Speech processing systems Computational intelligence Electrical engineering Control and Systems Theory Signal, Image and Speech Processing Computational Intelligence Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Backstepping Control of Abnormal Behaviours in DC-DC Boost Converter -- Phase-plane methods to analyse power system transient stability -- H fuzzy control for Electrical Power Steering subject to actuator saturation -- Power Quality Enhancement with UPQC Systems based on Multi-level (NPC) Inverters -- Hinfiny Based State Feedback Control of LPV Time-Delay Systems Via Parameter-Dependent Lyapunov Krasovskii Functionals.
Sommario/riassunto	This book presents the proceedings of the Third International Conference on Electrical Engineering and Control (ICEECA2017). It covers new control system models and troubleshooting tips, and also addresses complex system requirements, such as increased speed, precision and remote capabilities, bridging the gap between the

complex, math-heavy controls theory taught in formal courses, and the efficient implementation required in real-world industry settings. Further, it considers both the engineering aspects of signal processing and the practical issues in the broad field of information transmission and novel technologies for communication networks and modern antenna design. This book is intended for researchers, engineers, and advanced postgraduate students in control and electrical engineering, computer science, signal processing, as well as mechanical and chemical engineering.