

1. Record Nr.	UNINA9910411937203321
Titolo	Advances in Electrical Control and Signal Systems : Select Proceedings of AECSS 2019 // edited by Gayadhar Pradhan, Stella Morris, Niranjan Nayak
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-5262-2
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIX, 1066 p. 685 illus., 469 illus. in color.)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 665
Disciplina	621.3822
Soggetti	Electronic circuits Signal processing Electric power production Telecommunication Cooperating objects (Computer systems) Electronic Circuits and Systems Signal, Speech and Image Processing Electrical Power Engineering Mechanical Power Engineering Microwaves, RF Engineering and Optical Communications Cyber-Physical Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Comprises select peer-reviewed papers from the international conference AECSS 2019 Highlights latest research in control systems, control and automation, and their practical applications Covers emerging trends in the areas of energy systems, networks, and power grids -- Chapter 2: Novel Region Growing Mechanism for Object Detection in a Complex Background -- Chapter 3: Integration of Electric vehicles in distribution grid for maximizing profits using MOGOA -- Chapter 4: Voltage and Frequency Stabilisation of a Hybrid Autonomous System Using SMC Based STATCOM Equipped with BESS -- Chapter 5: Mitigation of Power Quality Issues using DSTATCOM through the Theory of Direct-Detection Light Wave

**Sommario/riassunto**

This book presents select proceedings of the International Conference on Advances in Electrical Control and Signal Systems (AECSS) 2019. The focus is on the current developments in control and signal systems in electrical engineering, and covers various topics such as power systems, energy systems, micro grid, smart grid, networks, fuzzy systems and their control. The book also discusses various properties and performance of signal systems and their applications in different fields. The contents of this book can be useful for students, researchers as well as professionals working in power and energy systems, and other related fields. .