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Titolo	Advances in Automation, Signal Processing, Instrumentation, and Control : Select Proceedings of i-CASIC 2020 // edited by Venkata Lakshmi Narayana Komanapalli, N. Sivakumaran, Santoshkumar Hampannavar
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Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 700
Disciplina	621.3
Soggetti	Electronic circuits Control engineering Robotics Automation Signal processing Telecommunication Wireless communication systems Mobile communication systems Computer networks - Security measures Electronic Circuits and Systems Control, Robotics, Automation Signal, Speech and Image Processing Communications Engineering, Networks Wireless and Mobile Communication Mobile and Network Security
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Application of Differential Evolution Algorithm for Substation Expansion Planning Problem of Tamil Nadu -- A Real-Time Investigation -- A Survey on Sentiment Analysis for Depression Detection -- White Blood Cell Components Separation for Haematological Disease Detection -- Performance Comparison of Conventional IC and Dragon Fly based MPPT for Solar PV Systems under Partial Shading Conditions -- Tagging

of Weakly Labelled Acoustic Data Using Skip Layer Connection  
Detection Classification Model -- Lifetime Estimation of Insulated Gate  
Bipolar Transistor Modules Used for Industrial Application -- Reduction  
of Rain and Snow within the Image using Image Processing -- Design of  
Wearable Textile Based Microstrip Patch Antenna by using Defected  
Ground Plane -- Comparison and Suitability of Motors for Propulsion in  
Electric Vehicles -- Enhancing Performance of an Electric Vehicle on  
Slope Using Super Capacitor.

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#### Sommario/riassunto

This book presents the select proceedings of the International Conference on Automation, Signal Processing, Instrumentation and Control (i-CASIC) 2020. The book mainly focuses on emerging technologies in electrical systems, IoT-based instrumentation, advanced industrial automation, and advanced image and signal processing. It also includes studies on the analysis, design and implementation of instrumentation systems, and high-accuracy and energy-efficient controllers. The contents of this book will be useful for beginners, researchers as well as professionals interested in instrumentation and control, and other allied fields.

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