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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
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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.

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.
