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Nota di contenuto	IoT Based Monitoring, Communication and Control of Small Wind Turbines Using Azure Cloud Service -- Implementation of E-healthcare Data Acquisition System using IoT(Internet of Things) -- Review of Discrete Wavelet Transform based Emotion Recognition from Speech -- Network Intrusion Detection using Machine Learning -- Glacier Ice Surface Velocity Using Interferometry -- A study on Various Optimization Techniques for Understanding the Challenges, Issues and Opportunities of Hybrid Renewable Energy Built Microgrid Systems -- Intrusion Detection System on New Feature Selection Techniques with BFO -- Frequency and Stability Control of Photovoltaic and Wind-Powered Grid-Connected DC Bus System -- An Evaluation of Feature Selection Methods Performance for Dataset Construction -- IoT-Based Laboratory Safety Monitoring Camera Using Deep-Learning Algorithm -- ByWalk: Unriddling Blind Overtake Scenario with Frugal Safety System -- Levy Flight based Black Widow Optimization for Power Network Reconfiguration.

Sommario/riassunto

This book presents select proceedings of the Virtual International Conference on Futuristic Communication and Network Technologies (VICFCNT 2021). It covers various domains in communication engineering and networking technologies. This volume comprises recent research in areas like cyber-physical systems, acoustics, speech & video signal processing, and IoT. This book is a collated work of academicians, researchers, and industry personnel from the international arena. This book will be useful for researchers, professionals, and engineers working in the core areas of electronics and communication.
