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Titolo	Intelligent Computing Applications for Sustainable Real-World Systems : Intelligent Computing Techniques and their Applications / / edited by Manjaree Pandit, Laxmi Srivastava, Ravipudi Venkata Rao, Jagdish Chand Bansal
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Collana	Proceedings in Adaptation, Learning and Optimization, , 2363-6084 ; ; 13
Disciplina	338.9270285
Soggetti	Computational intelligence Artificial intelligence Renewable energy resources Transportation engineering Traffic engineering Computational Intelligence Artificial Intelligence Renewable and Green Energy Transportation Technology and Traffic Engineering
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Improvement in Side Lobe Reduction in FIR Filter Design Using Proposed Hybrid Blackman Window -- Low Frequency stochastic electromagnetic field observed in the Ionosphere possibly associated with an Earthquake activity -- A Review on Role of Solar Drying Technology in Sustainable Development -- Role of Advance Solar Desalination Technique for Sustainable Development -- Effect of Reinforced Nano-Composites on AMC Solidification Curve.
Sommario/riassunto	This book delves into various solution paradigms such as artificial neural network, support vector machine, wavelet transforms, evolutionary computing, swarm intelligence. During the last decade, novel solution technologies based on human and species intelligence

have gained immense popularity due to their flexible and unconventional approach. New analytical tools are also being developed to handle big data processing and smart decision making. The idea behind compiling this work is to familiarize researchers, academicians, industry persons and students with various applications of intelligent techniques for producing sustainable, cost-effective and robust solutions of frequently encountered complex, real-world problems in engineering and science disciplines. The practical problems in smart grids, communication, waste management, elimination of harmful elements from nature, etc., are identified, and smart and optimal solutions are proposed. .