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Nota di contenuto	Lumped Circuit Modeling at Nanoscale -- Deep Learning Model for Multiclass Classification of Diabetic Retinal Fundus Images Using Gradient Descent Optimization -- Configuration of the Communication Radius for Partial Coverage in WSN -- Bandwidth enhancement of two-element closely spaced MIMO Antenna for WLAN applications -- Spectrum Sharing for D2D based vehicular networks using optimum pricing algorithm with delayed CSI feedback.
Sommario/riassunto	This book comprises select proceedings of the International Conference on Advances in Signal Processing and Communication Engineering (ICASPACE 2023). The book covers several theoretical and mathematical approaches addressing day-to-day challenges in signal, image, and speech processing and advanced communication systems. It primarily focuses on effective mathematical methods, algorithms, and models that enhance the performance of existing systems. The topics covered in the book are advances in signal processing (radar and biomedical), image processing, speech processing, technical and environmental

challenges in 5G technology, and strategies for optimal utilization of resources to improve the efficacy of the communication systems in terms of bandwidth and radiating power, etc. The works published in the book will remarkably be helpful to prospective scholars, academicians, and students seeking knowledge in signal processing and communication engineering.