Bhattacharyya / Samanta

Recent Trends in Intelligence Enabled Research

Proceedings of the 5th International Symposium on Signal and Image Processing, ISSIP 2024

This book gathers selected papers presented at the Fifth International Symposium on Signal and Image Processing (ISSIP 2024). It presents fascinating state-of-the-art research findings in signal and image processing. It includes conference papers covering many signal-processing applications involving filtering, encoding, classification, segmentation, clustering, feature extraction, denoising, watermarking, object recognition, reconstruction, and fractal analysis. It addresses various types of signals, such as image, video, speech, non-speech audio, handwritten text, geometric diagram, and ECG and EMG signals; MRI, PET, and CT scan images; THz signals; solar wind speed (SWS) signals; and photoplethysmography (PPG) signals, and demonstrates how new paradigms of intelligent computing, like quantum computing, can be applied to process and analyze signals precisely and effectively.

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