



Complex System Dynamics and Image Processing

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Message from the Guest Editor

Dear Colleagues,

The intersection of complex system dynamics and image processing represents a vibrant and expansive research domain within mathematics, attracting growing interest from disciplines such as system science, applied mathematics, statistics, theoretical physics, and computer science. Complex system dynamics and image processing drive advancements in pattern recognition, anomaly detection, and feature extraction, thereby propelling fields like medical diagnosis, remote sensing, and computer vision forward.

This Special Issue invites papers showcasing novel theoretical contributions across diverse realms of complex system dynamical analysis, including chaos, memristor dynamics, cellular automata, self-organizing nonlinear systems, and complex network dynamics, as well as various facets of image processing, including image encryption, steganography, watermarking, segmentation, compression, and reconstruction. Submissions that explore the synergies between image processing with complexity and dynamics are also welcomed. Review articles will also be considered.





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Message from the Editor-in-Chief

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