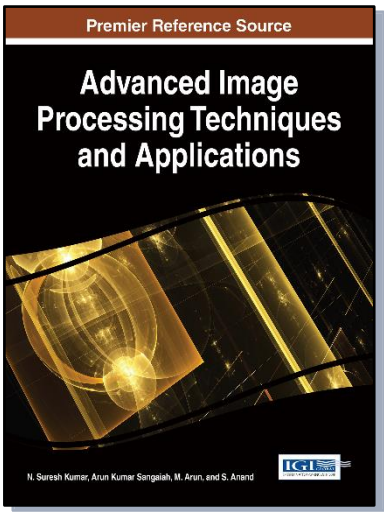
Advanced Image Processing Techniques and Applications

Part of the Advances in Computational Intelligence and Robotics Book Series

N. Suresh Kumar (VIT University, India), Arun Kumar Sangaiah (VIT University, India), M. Arun (VIT University, India) and S. Anand (VIT University, India)



Description:

Today, the scope of image processing and recognition has broadened due to the gap in scientific visualization. Thus, new imaging techniques have developed, and it is imperative to study this progression for optimal utilization.

Advanced Image Processing Techniques and Applications is an essential reference publication for the latest research on digital image processing advancements. Featuring expansive coverage on a broad range of topics and perspectives, such as image and video steganography, pattern recognition, and artificial vision, this publication is ideally designed for scientists, professionals, researchers, and academicians seeking current research on solutions for new challenges in image processing.

ISBN: 9781522520535 **Release Date:** April, 2017 **Copyright:** 2017 **Pages:** 400

Topics Covered:

- Artificial Vision
- Cipher Block Chaining
- Image Authentication
- Image De-Noising
- Image Encryption
- Image Steganography
- Multimodal Biometrics
- Pattern Recognition
- Video Steganography

Hardcover: $290.00

E-Book: $290.00

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Arun Kumar Sangaiah received Master of Engineering (M.E) Degree in Computer Science and Engineering from Government College of Engineering, Tirunelveli, Anna University Chennai. He had received Doctor of Philosophy Degree in Computer Science and Engineering from VIT University, Vellore, Tamil Nadu, India. He is presently working as Associate Professor in School of Computing Science and Engineering, VIT University, India. His areas of interest include Software Engineering, Soft Computing, Wireless Networks, Bio-Informatics, and Embedded Systems. He has author of more than 50 publications in different journals and conference of National and International repute. His teaching areas include Software Engineering, Wireless Networks, Data and Computer Communications, Soft Computing, Programming Languages, and etc. His current research work include Global Software Development, Wireless Ad hoc and Sensor Networks, and Machine learning, He is active member for Compute Society of India. He has guided many research students and post-graduate students in the field of communication networks, ad hoc networks, database, and soft computing techniques.