Handbook of Research on Emerging Perspectives in Intelligent Pattern Recognition, Analysis, and Image Processing

Part of the Advances in Computational Intelligence and Robotics (ACIR) Book Series

Narendra Kumar Kamila (C.V. Raman College of Engineering, India)

Description:

Whether an old photograph or a single video frame, there is a wealth of data hidden in a picture. Image processing and pattern analysis play a vital role in engineering science and can be applied in diverse areas to solve existing and practical problems.

The Handbook of Research on Emerging Perspectives in Intelligent Pattern Recognition, Analysis, and Image Processing discusses the advances of image processing and pattern analysis and addresses how new innovations will cater to the demands of daily life.

The chapters presented in this publication encompass various aspects of recent image processing and pattern analysis innovations including, but not limited to, mobile image tracking, motion picture analysis, pattern classification, multisensory data fusion, 3D imaging, supporting routing protocols, brain computer interfaces, image restoration, and medical imaging.

Readers:

This handbook provides the resources necessary for technology developers, scientists, and policymakers to adopt and implement new inventions across the globe.


Topics Covered:

- 3D Imaging
- Brain Computer Interface
- Image Restoration
- Medical Imaging
- Mobile Image Tracking
- Motion Picture Analysis
- Pattern Classification
- Wavelet Transform

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