

Intelligent Multidimensional Data and Image Processing

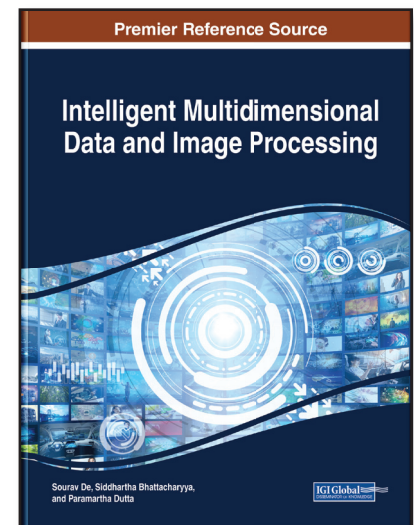
Part of the Advances in Multimedia and Interactive Technologies Book Series

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Description:

As the most natural and convenient means of conveying or transmitting information, images play a vital role in our daily lives. Image processing is now of paramount importance in the computer vision research community, and proper processing of two-dimensional (2D) real-life images plays a key role in many real-life applications as well as commercial developments.

Intelligent Multidimensional Data and Image Processing is a vital research publication that contains an in-depth exploration of image processing techniques used in various applications, including how to handle noise removal, object segmentation, object extraction, and the determination of the nearest object classification and its associated confidence level. Featuring coverage on a broad range of topics such as object detection, machine vision, and image conversion, this book provides critical research for scientists, computer engineers, professionals, researchers, and academicians seeking current research on solutions for new challenges in 2D and 3D image processing.



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Topics Covered:

- 2D Modeling
- 3D Image Enhancement
- Data Clustering
- Data Processing
- Image Conversion
- Image Processing
- Machine Vision
- Modeling and Rendering
- Multi-Dimensional Data
- Object Detection

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