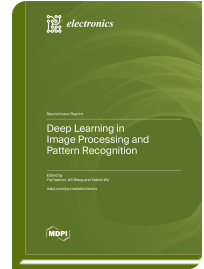*Special Issue Reprint*

Deep Learning in Image Processing and Pattern Recognition

www.mdpi.com/books/reprint/11120

Edited by
Yuji Iwahori
Aili Wang
Haibin Wu

This Reprint aims to provide readers with an extensive insight into the latest developments in image processing technology. As images are the main method by which humans acquire and exchange information, the application of image processing is inevitably involved in all aspects of human life. Currently, image processing technology holds a prominent role in the aerospace, public security, biomedicine, industrial engineering, and business communication fields. Recent years have seen the rapid development of image processing, especially with the application of deep learning, enabling it to become the most successfully applied intelligent technology. Pattern recognition is an important research field in image processing and includes image preprocessing, feature extraction and selection, classifier design, and classification decisions. Focusing on these elements, this Reprint covers advancements in thirteen research directions, including image preprocessing, features and selection of images, pattern recognition in image processing technology, image processing in intelligent transportation, hyperspectral image processing, biomedical image processing, image processing in intelligent monitoring, deep learning for image processing, deep learning for image processing.

MDPI

Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/11120

MDPI\Books
Publishing Open Access Books & Series

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.

Open Access
Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.

Author Focus
Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.

High Quality & Rapid Publication
MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.

High Visibility
Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).

Print on Demand and Multiple Formats
MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.

Learn more ▶ mdpi.com/books