



**electronics**



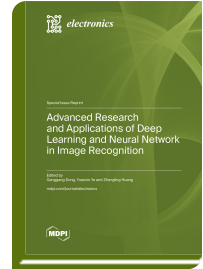
*Special Issue Reprint*

## **Advanced Research and Applications of Deep Learning and Neural Network in Image Recognition**

[www.mdpi.com/books/reprint/8905](http://www.mdpi.com/books/reprint/8905)

Edited by  
Ganggang Dong  
Yuanxin Ye  
Zhongling Huang

ISBN 978-3-7258-0423-8 (Hardback)  
ISBN 978-3-7258-0424-5 (PDF)



This reprint aims to immerse the reader in the latest research and applications of deep learning and neural networks in image recognition. Deep learning algorithms are the major driving force behind recent advances in image classification. The success of deep learning is powered by two crucial issues: large-scale training datasets and powerful computational platforms. In most cases, the performances obtained by deep neural networks are much better than those of hand-crafted delicate image features. Yet, despite the great success of deep learning in image recognition, numerous challenges remain. This Special Issue aims to present new solutions to these challenging problems.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/8905](http://www.mdpi.com/books/reprint/8905)

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.