# Signal, Image and Video Processing: Development and Applications

## Message from the Guest Editors

This Special Issue aims to alleviate the contradiction between the increasing actual demand for visual perception and the backward visual perception technology and focuses on, but is not limited to, advanced machine-learning- and deep-learning-related signal, image, and video-processing technologies.

- machine-learning- and deep-learning-based signal, image, and video processing
- signal, image, and video acquisition
- data transform and filtering
- data quality enhancement
- image and video segmentation
- image and video representation and description
- feature extraction, compression, description, and matching based on image and video
- detection, recognition, classification, and measurement based on image and video
- motion analysis and object tracking based on image and video
- large-scale deep neural network development and applications
- lightweight deep neural network development and applications in embedded devices
- domain adaptation and transfer learning
- image- and video-processing-based industrial applications

Welcome to **contribute**.

## Guest Editors

Prof. Dr. Xianqiang Yang

Prof. Dr. Changxing Ding

Dr. Zhihao Zhang

## Deadline for manuscript submissions

closed (30 September 2024)

# Electronics

# About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

### Editor-in-Chief

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