



Recent Advances in Image Processing and Computer Vision

Guest Editors:

Dr. Vignesh Suresh

Research & Development, Alcon
Laboratories LLC, Fort Worth, TX
76134, USA

Dr. Beiwen Li

Department of Mechanical
Engineering, Iowa State
University, Ames, IA 50011, USA

Dr. Yi Zheng

Meta Reality Lab Research,
Redmond, WA 98052, USA

Message from the Guest Editors

Computer vision is a research topic that is actively studied/explored by researchers from various domains. Advancements in image processing methods have paved the way for novel computer vision algorithms. Advanced computer vision methods have enabled automation in surgical procedures in healthcare, the quality inspection of parts in industries etc. The objective of this Special Issue of *Electronics* is to represent the state-of-the-art research progress in image processing and computer vision methods and their application in various domains. We invite researchers to contribute their original and unique articles, as well as review articles. Topics include, but are not limited to, the following areas:

- Object detection;
- Semantic segmentation;
- Defect detection;
- Digital image enhancement;
- Advances in machine vision/computer vision;
- 3D imaging;
- Optical metrology;
- Fringe analysis;
- Applications of 3D imaging.

Deadline for manuscript
submissions:

31 May 2024





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

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 guest-edited by leading experts in selected topics of interest.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

Contact Us

Electronics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](#)