

## Special Issue

# Face Recognition Using Machine Learning

### Message from the Guest Editors

Biometric systems aim to measure and analyse the unique physical or behavioral traits or characteristics of an individual. The main idea of a biometric system is the use of human structures reflecting distinctive characteristics. The human face is one of the main biometric traits which has found many real-world applications including military, finance, public security, law enforcement, health, education, marketing, entertainment, and human–computer interaction. The human face conveys information about a human's identity, gender, age, race and emotions. One of the main challenges of the face recognition problem in the adoption environments is that the information involved is usually complex and variable in practice. This is because of head pose, age, illumination, appearance change (due to make-up, using accessories (e.g., glasses, scarves), or facial hair), as well as similarity among individuals (e.g., relatives, twins). The purpose of this Special Issue is to gather papers that define the advancement of face recognition using machine learning and their services and challenges.

### Guest Editors

Dr. Tarek Gaber

Dr. Rania Hodhod

Dr. Anastasia Angelopoulou

Dr. Mohamed Meselhy Eltoukhy

### Deadline for manuscript submissions

closed (31 January 2022)



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/68604](https://mdpi.com/si/68604)

*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

[mdpi.com/journal/  
electronics](https://mdpi.com/journal/electronics)





# Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/journal/  
electronics](https://mdpi.com/journal/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

Prof. Dr. Flavio Canavero

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

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /  
SciFinder, Inspec, Ei Compendex and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /  
CiteScore - Q1 (Electrical and Electronic Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 16.4 days after  
submission; acceptance to publication is undertaken in 2.6  
days (median values for papers published in this journal in  
the second half of 2025).