



## Application of Biometrics Technology in Security

Guest Editors:

**Prof. Dr. Julian Fierrez**

School of Engineering, University  
Autonoma de Madrid, 28049  
Madrid, Spain

**Dr. Gian Luca Marcialis**

Associate Professor, Department  
of Electrical and Electronic  
Engineering, University of  
Cagliari, Cagliari, Italy

Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editors

In this Special Issue, we invite submission in the particular area of security applications of biometrics, including identification and authentication applications based on established (face, fingerprint, iris, handwritten signature, etc.) and novel biometrics (touch interaction with screens, keystroking, etc.). Novel contributions and advances in the security aspects of biometric applications are expected, including (but not limited to):

- Security and privacy in biometric systems;
- Biometrics in the cloud;
- Distributed biometrics, including biometrics in Distributed Ledger systems;
- Federated learning in biometric systems;
- Attacks and countermeasures against biometric systems, including Presentation Attack Detection;
- Robust biometric systems intrinsically robust against potential attacks;
- Measuring and evaluating the security and privacy of biometric systems;
- Explainability in biometric systems, including human-readable explanations of the decision-making processes and vulnerabilities of biometric systems.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](#)