

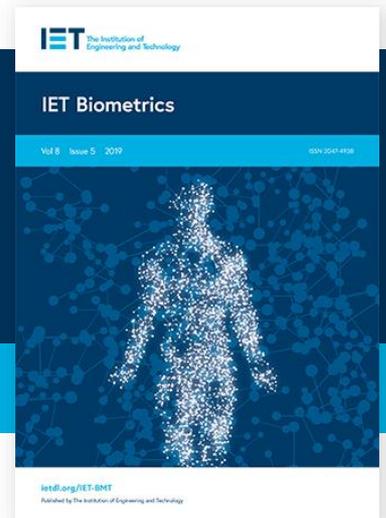
IET Biometrics

Call for Papers

Submission Window Opens: February 1st, 2021 |

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Special Issue: 25th ICPR - Real-Time Visual Surveillance as-a-Service (VSaaS) for Smart Security Solutions

With the advent of ever-fast computing, real-time processing of visual data has gained importance in the field of surveillance. Additionally, automated decision-making by visual surveillance systems has contributed to a huge leap in the capability of such systems, and of course their relevance in social security. The processing of visual data can further be performed not only at backbone architecture, but also partially in the Internet of Things (IoT) based surveillance devices which have grown smart enough in the last decade to process visual data; indeed, smart devices can form a communication network and reach a joint decision with regards to surveillance. Although the nature of processing differs according to the varying objectives of the surveillance systems.

This special issue aims to discuss cloud-based architectures of surveillance framework as a service. Such systems, especially when deployed to work in real-time, need to be fast, efficient, and sustainable with a varying load of visual data. We solicit original research articles, extensive surveys, and case studies in the aforementioned domain of research. The SI will also host extended versions of strong articles shortlisted from accepted ICPR 2020 papers matching the theme of the special issue.

Topics of interest include, but are not limited to:

- Distributed Visual Surveillance Framework: Deployment and Maintenance challenges
- Visual Surveillance as-a-service over the internet
- Conjoint visual surveillance and IoT
- Re-identification and occlusion management in multi-camera network
- Event and Gesture recognition in real-time
- Visual surveillance for indoor and outdoor environments
- Establishing biometric authentication from real-time visual data
- Self-organizing multi camera network models
- Intelligent resource allocation and management over Visual Surveillance as-a-Service (VSaaS)
- Storage, compression, and automated analysis of video data
- Intrusion detection and prevention schemes in VSaaS
- Agent-based intrusion surveillance in Real time
- Detection of malicious information propagation in VSaaS
- Performance evaluation measures and metrics for VSaaS

To submit your paper and for more information about the journal please visit:

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