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Visual Sensor Networks: Architectures and Applications

Guest Editors:

Dr. Paulo Portugal

INESC-TEC, Faculty of
Engineering, University of Porto,
4200-465 Porto, Portugal

Dr. Daniel G. Costa

Department of Electrical and
Computer Engineering, University
of Porto, 4200-465 Porto,
Portugal

Deadline for manuscript
submissions:

closed (31 March 2021)

Message from the Guest Editors

The development of more efficient and cheaper technologies for visual sensing has supported the maturation of wireless sensor networks field, with the opening of new possibilities for distributed camera-based monitoring applications. Such maturation is taking place amid the evolving internet of things landscape, bringing visual sensing to heterogeneous applications in scenarios such as smart cities, industry 4.0, intelligent healthcare, and vehicular networks. This wealth context keeps pushing for new innovations and performance enhancements for visual sensor networks (VSN), fostering new developments in this area. In this Special Issue, potential topics include, but are not limited to:

- Protocols and architectures for VSN
- New paradigms for communications in VSN
- 5G and LoraWAN in visual sensor networks
- Reliability, availability and fault tolerance
- Security and privacy in VSN
- Electronics and development of visual sensors
- QoS, QoE and visual data quality
- Soft computing in visual sensor networks
- Big data and machine learning for VSN applications
- Emerging applications of VSN



mdpi.com/si/32686

Special Issue



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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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Sensors Editorial Office
MDPI, St. Alban-Anlage 66
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