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Visual Sensor Networks: Architectures and Applications

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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



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Special Issue



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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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