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Sensors Cybersecurity

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Deadline for manuscript submissions:

closed (30 November 2020)

Message from the Guest Editors

At present, sensors are being used more and more in all sorts of platforms, manned or unmanned, in particular in view of the emerging IoT. Sensor-based platform or applications mainly depend on the sensing technology they use. They cannot describe encrypted traffic and often can hardly estimate the activity at a host. Because of the wireless and resource-constraint nature of sensor networks and their possible deployment in harsh environments or unattended areas, they are susceptible to many security threats. As a result, the need for adequate sensor and sensor network infrastructure protection and for secure information monitoring systems development is increasing.

We need to develop new theories, technologies, and practical solutions so as to protect the network infrastructure and the sensors that are integrated in platforms of critical infrastructures. Developing a secure sensor system requires balancing its completeness and redundancy, while adequately ensuring its protection from cyberattacks.

This Special Issue invites contributions describing original ideas, ground-breaking results, and/or real-world experiences involving sensors and cybersecurity.



mdpi.com/si/34375

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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