



sensors



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Advances in Intelligent Sensors and IoT Solutions

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Technological progress has led to the prominence of sensors and the Internet of things (IoT) as crucial components in numerous monitoring environments. Sensors are devices capable of detecting and measuring a variety of phenomena, whether physical, structural, environmental, chemical, or biological. These sensors are supported by the IoT, a network that enables the gathering and sharing of data across connected devices. The integration of sensors with the IoT has driven significant transformations in industries such as healthcare, agriculture, transportation, construction, and urban management by facilitating real-time data collection and analysis. This enhances decision making, increases automation, and boosts efficiency. This Special Issue focuses on sensors and the IoT, publishing a collection of academic articles that explore cutting-edge advancements in areas such as the mechanical characterization of concrete structures, digital twin technologies in Industry 5.0, cloud-based machine learning, the Internet of remote things, and microgrid technologies.



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