



Industrial Wireless Sensor Networks: Monitoring, Control and Automation (Woodhead Publishing Series in Electronic and Optical Materials)

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Early sections of the book discuss issues such as media access control (MAC), antenna design and site survey, energy harvesting, and explosion-proof design. Subsequent sections present WSN standards, including ISA100, ZigBee™, WiFi™, WirelessHART™ and 6loWPAN, and the applications of WSNs in the oil and gas, chemical, food, and nuclear power industries.

- Reviews technologies and standards for industrial wireless sensor networks
- Considers particular applications for the technology and their ability to reduce costs, increase productivity, and ease maintenance
- Focuses on industry needs and standardization efforts regarding reliability, security, performance, power consumption, and integration.

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