

Recent Development In Wireless Sensor And Ad Hoc Networks Signals And Communication Technology

Development of Micro Wireless Sensor Platforms for
Collecting Data of Passenger-Freight Interactions Building a
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Looking at the expansion of the cellular infrastructure, Ad-Hoc network may be acting as the basis of the 4th generation wireless technology with the new paradigm of 'anytime, anywhere communications'. To realize this, the real challenge would be the security, authorization and management issues of the large scale WSNs.

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Structural health monitoring (SHM) systems have shown great potential to sense the responses of a bridge system, diagnose the current structural conditions, predict the expected future performance, provide information for maintenance, and validate design hypotheses. Wireless sensor networks (WSNs) that have the benefits of reducing implementation costs of SHM systems as well as improving data ...

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Advances and recent trends in wireless sensor network
D.Sridhar raja 1,T.Vijayan 2,B.Kalaiselvi 3 1,2,3Assistant professor Department of Electronics and Instrumentation Engineering BIST, Bharath Institute o f Higher Education and Research

Advances and recent trends in wireless sensor network

Wireless sensor network (WSN) has emerged as one of the most promising technologies for the future. This has been enabled by advances in technology and availability of small, inexpensive, and smart sensors resulting in cost effective and easily deployable WSNs. However, researchers must address a variety of challenges to facilitate the widespread deployment of WSN technology in real-world ...

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An intelligent sensor may consist of a chain of analogue and digital blocks, each of which provides a specific function. Data processing and analogue-to-digital conversion (ADC) functionalities help improve sensor reliability and measurement accuracy. The typical structure of an intelligent sensor is shown in Fig. 1.

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Wireless sensor network shows a great promise for various futuristic applications like military applications, nuclear power plant, Environment monitoring, health care, target tracking and...

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Relevant technologies and standards related to wireless sensor networks (WSNs) have advanced over the past few years, and diverse Internet of Things (IoT) applications based

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on WSNs have already achieved some commercial success in applications such as smart parking and metering systems, 1 smart farming system, environmental monitoring, and many other applications. As such, the rate of adoption of WSNs in diverse IoT applications from home appliances to industrial systems, both for replacing ...

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