Abstract

The wireless sensor network (WSN) was primarily developed as a military application to survey a battlefield. However, now a WSN is commonly used in many other industrial and commercial applications to monitor environmental conditions, health care applications and traffic controls. There are many different kinds of wireless sensor networks, however; they all normally come equipped with a radio transceiver or a wireless communication device or a power source. In this paper, we describe several MAC protocols proposed for sensor networks emphasizing their strengths and weaknesses.
References

- IEEE Standard for Information Technology-Part 15. 4: Wireless Medium Access Control (MAC) and Physical layer (PHY) specifications for Low Rate Wireless Personal Area Networks (LR-WPANS) [S], IEEE 802. 15. 4-2003, October 2003

Index Terms

Computer Science Wireless Networks
Keywords
Wireless Sensor Networks  Mac Protocols