

DESIGN FACTORS, REQUIREMENTS AND RESEARCH ISSUES FOR WIRELESS SENSOR NETWORKS

S. S. SONAVANE, V. KUMAR & B. P. PATIL

Abstract

In this paper, we present a review of design factors and requirements for wireless sensor networks, as it plays an important role in building an effective and Energy efficient WSNs. The design factors of overall wireless sensor networks communications architecture have been described. These factors serve as guidelines to design a protocol or algorithm for WSNs. Several open research issues of wireless sensor Networks evaluated and compared. The low cost & low power WSN architecture is finally presented.

Keywords: Wireless Sensor Networks (WSNs), Quality of Service (QoS), Power Management.