

## **Abstract Details**

**Title:** Software Architecture of Wireless Sensor Networks in Structural Health Monitoring

**Author:** Vaibhav Jain, Dr. Sudhir Kumar Sharma, Dr. Kota Solomon Raju and Pawan Kumar

**Abstract:** Structural health monitoring has become a famous application in wireless sensor networks since years. But it has some limitations such as scalability, visual impact and installation/maintenance cost. Wireless sensor networks are having wide area of application in SHM. In this paper we proposed a placement algorithm for SHM. SHM is a wide area of interest. SHM is the way by which we can make the structures smart. It is a new and advanced way to make non-damaging evaluation. SHM consists of a lot of sensors, smart materials and processing abilities in its structure. Conventional monitoring systems which were used for this application involve a large number of wires and an acquisition system having remote connections [7] Wireless sensor network has many applications. SHM is one of them in which WSN is used for health monitoring of buildings, bridges and many more structures.

**Keywords:** Component, Formatting, Style, Styling, Insert.