Abstract

Safety is the most important issue to rescue the lives of people and damage of assets. To achieve this goal, a fire accident existence predictor which also avoids hazard is crucial. The system is sensitive to temperature and pressure above the threshold values thereby produces different kinds of signals to stimulate that a fire may take place in the multi-store building at some time and location. In this paper, it has been developed a prototype of an autonomous wireless sensor network predicting and forecasting fire accident in a multi-store building. This prototype is a low cost, efficient and portable. It also is capable of avoiding the fire accident. The system displays when and where the event takes place and gives alarm signals in the form of visual, audible and SMS on LEDs and LCD, buzzer and user mobile phones respectively.

References

Design and Implementation of Microcontroller based Autonomous Wireless Sensor Network for Predicting and Forecasting of Fire Accident in a Multi-Store Building


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Index Terms

Computer Science, Wireless
Keywords

Predicting; Forecasting; wireless Sensor Network; Potential fire.