

A Sensor Based Water Monitoring Platform

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Reviews

This publication is definitely not simple to begin on studying but really exciting to read. It is actually rally fascinating throgh reading time. Your life span will be enhance when you complete looking at this publication. (Laurence Littel)

A SENSOR BASED WATER MONITORING PLATFORM



Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Water is a basic requirement of human life and economy, and its quality is increasingly threatened by pollution. Therefore, efficient and real time measurements need to be performed on waterways to cope with the evergrowing threat of water pollution. Several water quality monitoring systems are proposed in literature. However, these systems are highly expensive and complex, they offer inaccurate pollution positions, and they do not perform auto-disagnosis to recover from faults and cope with the caracteristics of the monitored environement. In this report, we propose a novel water quality monitoring platform which combines wireless sensor networks and radio frequency identification (RFID) technology. In fact, the system uses a set of fixed RFID tags that are deployed next to the waterway and a set of mobile sensor nodes which integrate RFID readers. This proposed water monitoring platform can offer several enhancements in comparison to the existing water monitoring platforms such as: cost effectiveness, low energy consumption, system performance monitoring, and tolerance to errors and loss of information. | Format: Paperback | Language/Sprache: english | 100 pp.

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