Guidelines for Student Reports

STUDY AND DEVELOPMENT OF A METHODOLOGY FOR FIRMWARE UPDATE OVER-THE-AIR

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Abstract

Wireless Sensor Networks are widely used nowadays for different applications. The dimension of such wireless networks (i.e. the number of nodes composing the WSN) can be very large, depending on the specific task for the network or simply considering the dimension of the environment to be monitored. Thus, in case a firmware update is necessary for the specific application or considering the first firmware installation, the manual/physical update to each of the nodes may require a very large amount of time. Therefore, this project activity is aimed at the definition of a feasible methodology, which may be employed when the process of firmware installation or update has to be applied to a large number of WSN nodes.


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