عنوان مقاله:

Quality of Area Coverage in Visual Sensor Network

محل انتشار:

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خلاصه مقاله:

The coverage problem has long been studied in the networks where there is a possibility of node selection, node movement, sensor movement, and selection of the sensing area. In most of the performed researches in this field (even though not explicitly stated), in order to solve the coverage problem, it has been essential to support quality of coverage (QoC). In visual sensor networks, supporting quality of coverage is of significant importance due to numerous reasons, compared to the networks with other kinds of sensors. In this article, firstly, the quality of area coverage in visual sensor networks is studied and as a result, an appropriate criterion is defined. Thereafter, selection problem, configuration and adjustment of visual sensor parameters are solved with the aim to support the quality of coverage. Finally, the findings, achieved from simulation, will be analysed as well as the relationship, between quality of coverage and the consumed energy in the network

کلمات کلیدی:

Quality of coverage (QoC), Visual sensor networks, Sensor selection, Sensor configuration, Area coverage

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