Congestion Control in Wireless Sensor Network based on Predicted Sensor Position on Movement for Body Area Network Applications

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Abstract

WSN is a self organized network consisting of nodes. These nodes can have a small degree of movement due to medium on which they are deployed, like the sensor deployed on ocean water to detect conditions like tsunami. Since the nodes are moving, it is very difficult to maintain a reliable connection and when congestion happens in this network. Many congestion control protocols view only the current conditions and position of nodes while making the congestion control decisions and neglect the moving pattern of nodes. In this work we propose a congestion control protocol based on the movement pattern of nodes.

References


Index Terms

Computer Science                Wireless
Keywords

WSN, WBAN, PCCP, ICD