Rate-based Synchronous Diffusion
Internet of Things, Group Project

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1 Protocol Introduction

Time Synchronization is important in every Wireless Sensor Network, that is because we are interestet in colaborative information. All actions perfomed by the node is controlled by its clock time which may differ from the clock time from other nodes. Since each node has its own clock, we need to synchronize the clock so we are able to get consitent information. Distributed synchronization protocols are required to coordinate the nodes in the network so that they follow the same reference frame. **Rate-Based Diffusion Protocol (RDP)** aims to synchronize the nodes in the network to the average value of the clocks in the network. Instead of the timing information, the difference between the clocks of the nodes and their relative importance is diffused in the network. Operation of the diffusion protocol is based on two things: comparison of the local clocks of two nodes and adjusting the clocks accordingly.

2 Methods

3 Experimental setup/Measurement procedure

4 Results and Analysis

5 Conclusions

References

[RE1] Author: Article/Book: Other info: (date) page numbers.