Energy Efficient In Network Rfid Data Filtering Scheme In

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4. EIFS: Energy Efficient In-Network RFID Data Filtering Scheme. An efficient in-network RFID data filtering scheme should filter the maximum amount of data to avoid redundant transmission in the network with less computation. To meet these objectives, EIFS divides the duplications into two types.

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Radio Frequency Identification (RFID) technology is among the key technology of Internet of Things (IOT). It is a sensor device that can monitor, identify, locate and tracking physical objects via...

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In this paper, we propose a CLIF, an energy-efficient filtering scheme that detects the in-network redundant data and eliminates it. The simulation results show that the CLIF significantly reduces the number of comparisons required for detecting duplicates while it achieves relatively high duplicate data elimination ratio considering the location of reader.

~~Energy Efficient In-Network Phase RFID Data Filtering ...~~
network still occurs, which consumes nodes ' energy and affects network lifetime. In this paper, we propose an in-network RFID data filtering scheme that efficiently eliminates the duplicate data. For this we use a clustering mechanism where cluster heads eliminate duplicate data and forward filtered data towards the base station.

~~Energy Efficient In-network RFID Data Filtering Scheme in ...~~
Energy is a critical issue in WSNs; however, RFID data contains a lot of duplication. These duplications can be eliminated at the base station, but unnecessary transmissions of duplicate data within the network still occurs, which consumes nodes' energy and affects network lifetime.

~~Energy-efficient in-network RFID data filtering scheme in ...~~
RFID (Radio frequency identification) and wireless sensor networks are backbone technologies for pervasive environments. In integration of RFID and WSN, RFID data uses WSN protocols for multi-hop...

~~(PDF) Energy-Efficient In-network RFID Data Filtering ...~~
In integration of RFID and WSN, RFID data uses WSN protocols for multi-hop communications. Energy is a critical issue in WSNs; however, RFID data contains a lot of duplication. These duplications can be eliminated at the base station, but unnecessary transmissions of duplicate data within the network still occurs, which consumes nodes' energy and affects network lifetime.

~~Energy-efficient in-network RFID data filtering scheme in ...~~

Such redundancies unnecessarily consume resources of network and depreciate the performance of RFID installation. In this paper, we propose a CLIF, an energy-efficient filtering scheme that detects...

~~Energy Efficient In-Network Phase RFID Data Filtering ...~~
Radio Frequency Identification (RFID) technology is among the key technology of Internet of Things (IOT). It is a sensor device that can monitor, identify, locate and tracking physical objects via its tag. The energy in RFID is commonly being used unwisely because they do repeated readings on the same tag as long it resides in the reader vicinity.

~~Energy-efficient approach in RFID network - CORE~~
Duplicate ISSN to Map as a service: A framework for visualising and maximising information return from multi-modal wireless sensor networks Live Archive, =User::View ...

~~Energy-efficient in-network RFID data filtering scheme in ...~~
Energy Efficient In-network RFID Data Filtering Scheme in Wireless Sensor Networks . By Ali Kashif Bashir, Se-Jung Lim, Chauhdary Sajjad Hussain and Myong-Soon Park. Cite . BibTex; Full citation; Publisher: MDPI AG. Year: 2011. DOI identifier: 10.3390/s110707004. OAI identifier: ...

~~Energy Efficient In-network RFID Data Filtering Scheme in ...~~
Besides that Active RFID offers increased working distance between the interrogator (RFID-reader) and tags, the onboard power source also enables the tags to do sensor measurements, calculations and storage even when no RFID-reader is in the vicinity of the tags.To obtain energy efficiency in an Active RFID system the communication protocol to be used should be carefully designed.

~~Energy Efficient Protocols for Active RFID - CORE~~
Radio Frequency Identification (RFID) technology is among the key technology of Internet of Things (IOT). It is a sensor device that can monitor, identify, locate and tracking physical objects via its tag. The energy in RFID is commonly being used unwisely because they do repeated readings on the same tag as long it resides in the reader vicinity.