

Energy Efficient In Network Rfid Data Filtering Scheme In

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Energy Efficient In-network RFID Data Filtering Scheme in ...

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 Phase RFID Data Filtering ...

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 Approach in RFID Network - NASA/ADS

Energy Efficient Approach in RFID Network. ... Radio frequency identification (RFID) technology is taking the place of barcodes to become electronic tags of the new generation. EPC Class 1 ...

(PDF) Energy Efficient Approach in RFID Network

Energy Efficient In-network RFID Data Filtering Scheme in Wireless Sensor Networks. Item Preview remove-circle Share or Embed This Item. EMBED ...

Bing: Energy Efficient In Network Rfid

Underlay cognitive networks use very limited transmission powers and, hence, make the system energy efficient. A subset of these RFID motes were allowed to

send the data, which increases the received SNR ratios and will be useful in decision making.

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 In-network RFID Data Filtering Scheme in ...

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Energy Efficient Cooperation in Underlay RFID Cognitive ...

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Energy Efficient Protocols for Active RFID - CORE

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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 communications. Energy is a critical issue in WSNs; however, RFID data contains a lot of duplication.

Energy Efficient In Network Rfid

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.

An Energy Efficient Scheme for Detecting Redundant ...

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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 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 ...

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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 In-network RFID Data Filtering Scheme in ...

energy-efficient active RFID and a wireless sensor network (WSN) is proposed with the objective of achieving the positioning and monitoring of people who find themselves in high-risk situations. The RFID part is composed of readers and active tags with sensors that collect information regarding the physical state of the person who carries them.

Energy efficient approach in RFID network - DRO

An Energy Efficient Scheme for Detecting Redundant Readings in Cluster-based Model of Integrated RFID and Wireless Sensor Networks. International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12, Number 14 (2017) pp. 4708-4722 © Research India Publications. <http://www.ripublication.com> 4708.

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