Cluster base station communication distance

In the communication process, the requirements for speed, quality and safety are getting higher and higher[3]. The communication bandwidth is getting bigger and bigger, but the area that the base ...

In this paper, we develop a method that combines the above approaches. We send data to the BS in rounds. In each round the heterogeneous nodes (in terms of starting energy) that form clusters and ...

In this section, a WSN Cluster Head Positioning algorithm (CHP) is proposed, which aims at reducing the total path-loss among all communication links between the SNs and the CH within ...

Because the energy consumed by cluster heads to send data to the base station is dependent not only on the data bit rate but also on the physical distance between cluster heads and ...

Optimizing base station placement and clustering strategies in WSNs has been a critical area of research. We classified the related work into base station placement techniques, clustering ...

This paper provides some reference ideas for solving the problem of selecting and planning the base station site in the communication network.

In this study, we developed a stochastic model to analyse the information and communication interaction between a base station and a set of subscribers in a 5G cluster with ...

We developed a mixed integer programming model to provide the optimal location of base stations at different time periods with the network"s minimum total cost (i.e., installation and operation ...

Cell splitting involves the process of sub-dividing a congested cell into smaller cells, each with its own base station and a corresponding reduction in antenna size and transmitting power. This ...

Cluster base station communication distance

In this paper, to address the site planning and area clustering problems of mobile communication networks, the K-mean clustering algorithm, linear programming, K-mean clustering model, single ...

Web: https://moritz-kenk.eu