Application for relocation of base stations for communication engineering

Overview

The present invention relates to a method for relocating control plane functionality of a serving base station in a mobile communication system comprising a mobile terminal and a plurality of base stations. To this end, the article proposes leveraging a convolutio al neural network (CNN) to improve the accuracy of base station location selection and network latency reduction. The method comprises: transmitting, by a source base station and to a relocation target base station, a relocation request message used to instruct the target base station to perform a main user plane function, the relocation request message. Abstract—The technique that enables mobile nodes to move to a base station with a lower load, provided that their signal-to-noise ratios are comparable or identical to one another.

Application for relocation of base stations for communication engine

Optimizing redeployment of communication base station

In practical applications, terrain and buildings will have a greater impact on signal propagation. In the future, three-dimensional coordinates may be established to redeploy the new BS, which has room ...

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(PDF) Accurate Base Station Placement in 4G LTE Networks Using

An important component of 4G LTE network planning is the proper placement of evolved node base stations (eNodeBs) and the configuration of their antenna elements.

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Optimal location of base stations for cellular mobile network

In this paper, we address the classical problem of locating base stations for a mobile cellular network to serve mobile users in a given geographical area considering the users' ...

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Cellular network relocation method

and base station

The disclosure relates to the technical field of cellular network location, and in particular to a method and evolved Node B (eNB) for performing cellular network relocation.

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The Reorganization of the Load Associated with Base Stations in ...

Abstract--The technique that enables mobile nodes to move to a base station with a lower load, provided that their signal-to-noise ratios are comparable or identical to one another.

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Wireless Communication Base Station Location Selection and ...

1. Introduction, the enhancement of wireless network performance is concerned with meeting the increasing communication demands. For wireless communication systems, the selection ...

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Best base station location with a given area as an example

Abstract:In the communication infrastructure construction, how to reasonably configure base station type and location according to different traffic

volume areas, so as to improve the communication ...

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Delayed Base Station Relocation in Distributed Radio Access Networks

The present invention relates to a method for relocating control plane functionality of a serving base station in a mobile communication system comprising a mobile terminal and a plurality

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Optimizing redeployment of communication base station

In this paper, the major work is to solve the "blind spot" of 5G existing network BSs. In other words, it aims to solve the signal coverage problem of weak coverage points on the basis of 5G ...

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A method and a source evolved Node B (eNB) for performing cellular network relocation are provided.

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