

# What is the base station site coordination method

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What is base station cooperation (Comp)?

CoMP is a special technique of base station cooperation. The history of base station cooperation can be traced back to the 1990s when the concept of macro-diversity was proposed.

What is a cooperative BS (base station)?

Sharing channel information and user data, several cooperative BSs (Base stations) in CoMP (Coordinated Multi-Point) transmit multi-streams to one user or multiple users simultaneously which can convert inter-cell interference signal to desired signal.

How can a mobile station communicate with multiple base stations?

For example, in Code Division Multiple Access (CDMA) networks, a mobile station can communicate simultaneously with several base stations by means of soft handoff, and it can select the best channel among those base stations at any given time by selection diversity.

What is a point in a cellular base station?

A point refers to a set of geographically co-located transmit antennas, such as the set of antennas at a cellular base station (BS). Note that different sectors of the same BS site are thought of as different points.

To do this, we propose a method to map base stations' activities onto subframes with regular patterns. We aim to mitigate interference by limiting the activity of a given base station to some ...

One efficient technique to combat intercell interference is via exploiting coordination among multiple base stations, which is known as multicell processing or simply base station ...

Coordinated multi-point (CoMP) techniques, which utilize the coordination among multiple spatially distributed base stations (BSs), play an important role in ensuring the transmission...

In this CoMP scheme, we identify the cooperating base stations (BSs) by comparing the average received link power (ARLP) of the neighbouring BSs with respect to ...

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By means of the present invention, mutual interference between signal beams of various neighbouring base stations can be effectively avoided.

operative sensing is a natural choice satisfying the requirement of long-range and accurate sensing. In this article, the framework of multi-BS cooperative sensing is proposed, breaking ...

To address these challenges, this paper constructs a multi-objective base station site selection model that simultaneously minimizes costs, maximizes coverage contributions, ...

Coordinated multi-point (CoMP) techniques, which utilize the coordination among multiple spatially distributed base stations (BSs), play an ...

BSs (Base stations) are the front-end accesses of CoMP and their planning influences the overall performance of the system directly. Different from the traditional cellular ...

networks is becoming a serious concern for the next generation wireless networks. This paper proposes Base Station Coordination as a promising solution to tackle Inter-Cell Interference ...

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