

Provided are a base station, a communication system, and an inter-base station time synchronization method with which time synchronization can be achieved between a host base station and another ...

The communication mutual interference between multiple BSs: When multiple BSs provide communication services to the UEs in the same area, the UEs will receive multiple downlink signals ...

Beginning by reviewing the work on coexisting communication and radar systems, we highlight their limits on addressing the interference problem, and then introduce the JCAS technology.

Lightweight Authentication Protocol for Inter Base Station Communication in Heterogeneous Networks
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The invention realizes the signal synchronization between the satellite-borne base station and the ground base station, and the terminal can realize resynchronization through a simple...

In this paper, we propose an inter-base station (BS) cooperative scheduling method among terminals in multiple service channels that maximizes the system through

on the optimal user scheduling excessive interference to any of the users of other scheduled base stations. To this aim, we show that finding the optimal base station scheduling is NP-hard, and ...

Abstract: Driven by the intelligent applications of sixth generation (6G) mobile communication systems such as smart city and autonomous driving, which connect the physical and ...

To solve this problem, we propose a reference path-based CoISAC inter-BS synchronization scheme. By simulating and testing on the online experimental platform, the proposed ...

mutual interference model of multiple ISAC base stations, which consists of communication and radar sensing related interference. Moreover, we propose a joint optimization algorithm (JOA) to solve the ...

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