Based on inter-base station communication

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 ...

ISAC signal design: Towards 6G, ISAC signals are designed based on the signals of mobile communication systems, which include single-carrier signals and multi-carrier signals.

This paper focuses on the research based on millimeter wave frequency bands, proposes a millimeter wave integrated communication system with enhanced communication coverage, and ...

Connection-based inter base station communications are established based on the Coexistence Beaconing Protocol. This clause specifies the mechanism and scheduling methods for the ...

With the networked infrastructures of mobile communication systems, multi-BS cooperative sensing is a natural choice satisfying the requirement of long-range and accurate sensing.

To solve the above-mentioned problem, in the invention, there are provided a first base station (synchronized base station, high-output base station) that carries out radio communication...

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.

The cooperative sensing methods suitable to mobile communication systems are very rare. In this paper, symbol-level cooperative sensing method is proposed for location and velocity estimation of ...

In this paper, we investigated the observation and performance for millimeter-level ground deformation detection based on the CBS with Differential InSAR (D-InSAR) for the first time.

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

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