

Positioning based on wireless communication networks has great application potential. In this paper, we propose a positioning method for the 5G-Advanced (5GA) or 6G network.

In this paper, we shed light on the performance gain of integrated sensing and communications (ISAC) from the perspective of channel correlations between radar sensing and communication (S& C),...

With the growing demand for high accuracy indoor localization, the fifth generation (5G) wireless communication technology based localization attracts increasing attention.

The purpose of this paper is to discuss indoor positioning with a single base station and to propose an indoor positioning method based on signal strength.

As the mobile stations (MSs) are gradually evolving to become sophisticated wireless access devices rather than just pocket telephones, the angle of departure (AOD) can also be obtained.

Shanghai Boying showcased its self-developed "MRD Meridian" industrial switches and solutions on this international stage, demonstrating the technological prowess and innovative achievements of ...

In this paper, the multi-BS cooperative sensing method using communication signal, instead of the typical radar signals such as linear frequency modulated (LFM) signal and pulse signals, are ...

Overview of Single-band/Multi-band Integrated Base Station. The integrated base station supports 4G and 5G frequency bands either independently or simultaneously, and is compatible with ...

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.

To rapidly restore damaged communication systems, we propose a UAV-based mobile base station equipped with Public Safety LTE (PS-LTE) technology to provide standalone ...

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