

Title: Three-dimensional communication integrated base station

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Based on this, an innovative 3D sensing model for ISAC single base stations was proposed, defining the sensing boundaries and ...

It delves into UAV communication and location collaboration technology oriented towards base station sensing, with a primary focus on the communication-sensing issues of ...

Abstract: This article considers deploying a dual-functional unmanned aerial vehicle (UAV) as both an aerial data collector and aerial anchor node (AN) to assist the ground base stations in ...

This article investigates a communication system assisted by multiple UAV-mounted base stations (BSs), aiming to minimize the number of required UAVs and to improve the coverage rate by...

In this paper, we investigated the observation and performance for millimeter-level ground deformation detection based on ...

Based on this, an innovative 3D sensing model for ISAC single base stations was proposed, defining the sensing boundaries and providing a foundation for designing the key ...

Recently, unmanned aerial vehicles (UAVs) have been reported a lot as aerial base stations (BSs) to assist wireless communication in Internet of Things (IoT). However, most ...

Our presented method enables the ground base station (GBS) to collaborate with many UAVs while optimizing the number of served users and considering the influence of ...

Abstract: In this paper, we propose to deploy multiple unmanned aerial vehicle (UAV) mounted base stations to serve ground users in outdoor environments with obstacles.

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 ...



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communication

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