

Title: Three-dimensional communication micro base station

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In this paper, the dynamic deployment of multiple UAV-BSs in complex urban scenario is studied with the objective of enhancing the overall average transmission rate.

To this end, this paper introduces a symbol-level fusion method and a grid-based three-dimensional discrete Fourier transform (3D-GDFT) algorithm to achieve precise localization of multiple targets ...

Therefore, in this paper, we proposed a creative 3-D positioning system based on particle swarm optimization (PSO) and an improved Chan algorithm to greatly improve the positioning ...

We take the programmable metasurface as the core to assist a millimeter-wave base station and validate its good performance for wireless communications in a realistic indoor scenario.

High-bandwidth communication, supports star-shaped networking, and AES encryption for security protection. The LBA 3 achieves bidirectional synchronous data transmission, enhancing data transfer ...

The potential applications of the proposed algorithm include UAV-aided communication after disasters, temporary communication network establishment for difficult-to-reach areas, and ...

We propose a novel systematic approach for the deployment optimization of unmanned aerial vehicles (UAVs). In this context, this study focuses on enhancing the coverage of UAV ...

Enhanced Mo-bile BroadBand (eMBB), offers the necessary support for bandwidth-demanding applications like high-definition video, three-dimensional video, cloud-based tasks, and augmented or ...

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