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Title: Low-altitude base station energy management system planning

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According to an embodiment of the present disclosure, a method for collaborative management of a low-altitude base station and a ground base station is provided, which is applied to a...

Low-Altitude Supervision System: The system links military and civil aviation regulatory agencies with government management platforms, which focus on airspace policy formulation, regulatory ...

This letter studies the CKM-enabled joint air corridor planning and BS deployment problem for low-altitude ISAC networks at the planning stage, providing a stable upper-layer infrastructure and ...

By combining charging station planning with adaptive routing, this study provides a scalable solution to improve the efficiency and sustainability of UAV-driven urban food delivery systems.

This paper proposes a base station (BS) deployment scheme for low-altitude ISAC networks based on both theoretical derivations and measurement results, which can provide ...

To address these challenges, we propose a novel low-altitude network base station planning model based on the Proximal Policy Optimization (PPO) algorithm. Our approach involves calculating the ...

It includes (i) a method for positioning UAV base stations, (ii) an analysis of the flight time performance of UAV-BSs, and (iii) an energy-efficient ...

method was proposed for low-altitude long-endurance unmanned aerial vehicles. This method considers the light intensity, day-and-night duration of the flight date, and the climatic conditions at that time, ...

Leveraging the networking characteristics of base stations, ZTE provides high-speed and reliable communication networks with stable, ...



Low-altitude base station energy management system planning

In this paper, the UAV coverage issue is considered, and a Coverage Area Decision Model for UAV-BS is proposed. The proposed solution is designed for cellular network coverage by using UAV nodes ...

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