The impact of 5G container technology on base station matching

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Numerical simulations demonstrate the effectiveness of the proposed approach, confirming that the developed method allows for structural optimization of 5G networks through intelligent ...

To ensure deterministic service quality for various services carried by 5G communication networks in complex scenarios, this paper expands the granularity and ...

To cope with this challenge, many scholars have decided to adopt genetic algorithms (GA) and machine learning (ML) to optimize the base station deployment problem ...

With the rapid development of 5G base station construction, significant energy storage is installed to ensure stable communication. ...

Subsequently, this article proposed the Adaptive Mutation Genetic Algorithm (AMGA) and formulated a mathematical model for optimizing 5G base station coverage to ...

For 5G communications, uplink and downlink transmissions between base stations and the UEs are scheduled in temporal slots, thus synchronization among the clocks is ...

Explore containerization on 5G networks to enhance efficiency, speed, and flexibility in modern mobile and IoT deployments.

A case study is conducted to analyze the impact of the critical factors on the load of 5G BS and the influence of 5G BSs load on the other loads in three typical areas.

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