

The use of base station motors in 5G





Overview

Does Mappo reduce power consumption in 5G ultra-dense networks?

In this paper, we thoroughly study the base station control problem in 5G ultra-dense networks and propose an innovative MAPPO algorithm. The algorithm significantly reduces the overall power consumption of the system by optimizing inter-base station collaboration and interference management while guaranteeing user QoS.

How to evaluate a 5G energy-optimised network?

To properly examine an energy-optimised network, it is very crucial to select the most suitable EE metric for 5G networks. EE is the ratio of transmitted bits for every joule of energy expended. Therefore, while measuring it, different perspectives need to be considered such as from the network or user's point of view.

What are the factors affecting a 5G network?

Some of the prominent factors are such as traffic model, SE, topological distribution, SINR, QoS and latency. To properly examine an energy-optimised network, it is very crucial to select the most suitable EE metric for 5G networks. EE is the ratio of transmitted bits for every joule of energy expended.

What is a 5G cellular network?

5G cellular network operates on a millimetre wave spectrum i.e., between 28GHz-60GHz along with LTE. Certain unlicensed frequencies such as 3.5 GHz, 3.6 GHz and 26 GHz are also being explored for fulfilling demands of high throughput and capacity [4, 5, 6].



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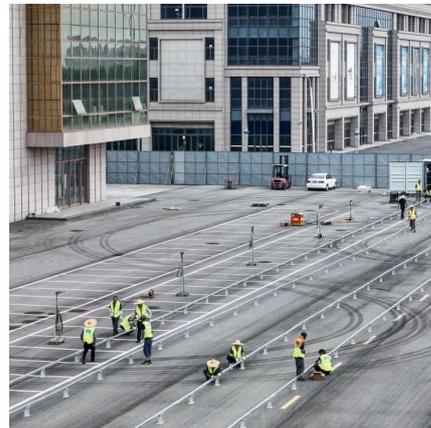


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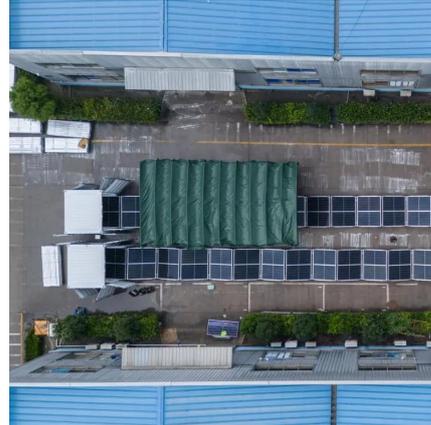
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