Communication Green inter-base station communication

For mobile networks powered by smart grids and green energy supply, the study in proposed an energy-sharing architecture among base stations based on physical lines and smart ...

Ericsson made a point of its green credentials at the recent Mobile World Congress, and launched a "green" base station design back in 2007. Its commitment extends from materials used in base ...

With the networked infrastructures of mobile communication systems, multi-BS cooperative sensing is a natural choice satisfying the requirement of long-range and accurate sensing.

mutual interference model of multiple ISAC base stations, which consists of communication and radar sensing related interference. Moreover, we propose a joint optimization algo. ithm (JOA) to solve the ...

Our approach is to reduce the intake of power by the base stations during unwanted time. This can be done by establishing communication between the adjacent towers to intimate the unused tower to ...

The high-density deployment of base stations and the exponentially increasing of sensors and actuators in 5G and 6G networks bring great challenge on reducing carbon footprint in 5G and 6G networks.

To address this problem, this paper proposes an inter-BS synchronization scheme based on the reference path calibration. Specifically, based on the actual distance and velocity of the ...

With the proposed method, a terrestrial base station (BS) or a UAV can be aware of the deployed environments and use the shadowing features to determine the proper transmitted power. It can ...

The communication mutual interference between multiple BSs: When multiple BSs provide communication services to the UEs in the same area, the UEs will receive multiple downlink signals ...

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In this paper, we investigate the issue of pulse propagation in a fragmented spectrum (FS) and adaptive equalization using embedded probing signals via feed forward paths only.

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