

Wind power communication millimeter wave base station



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For illustrating the potential of the proposed prototype in the application of a smart 6G base station, we take the proposed system to assist a millimeter-wave base station and

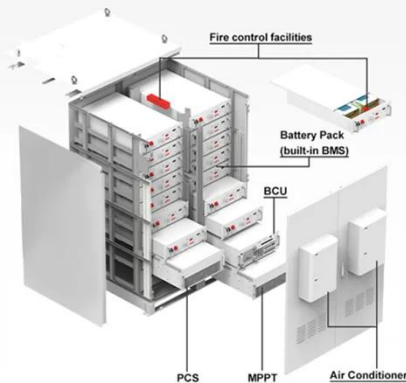
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(PDF) Impact of Base Station Density and Altitude on ...

In this study, we evaluated the outage probability and throughput in millimeter-wave UAV wireless communication by varying UAV density and altitude using computer simulations.



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Beam prediction and tracking mechanism with enhanced LSTM

By combining millimeter wave (mmWave) with abundant spectral resources and advanced directional beamforming technology, mmWave aerial base stations (mAeBSs) can provide ...

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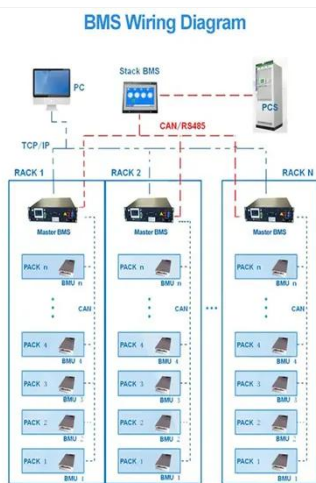
A smart millimeter-wave base

station for 6G application ...

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



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Wind Sensing by Millimeter Wave Communications

Millimeter wave is a core technology in the 5G cellular communication networks because of its large bandwidth and high data transmission rate. In practice, outdoor fixtures of millimeter wave ...

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Computationally Efficient Optimal Millimeter Wave Base Station

Abstract Millimeter wave (mmWave) communication is a key technology to provide ultra-fast data rates and massive connectivity in wireless networks. This paper introduces a computational and cost ...



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Design of high gain base station antenna array for mm-wave

Millimeter wave (mm-Wave) wireless communication systems require high gain antennas to overcome path loss

effects and thereby enhance system coverage.

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smart millimeter-wave base station for 6G application based on

Here, we propose a large-scale 2-bit millimeter-wave programmable metasurface to build an integrated smart base station framework for 6G communications. The meta-array is composed of ...

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