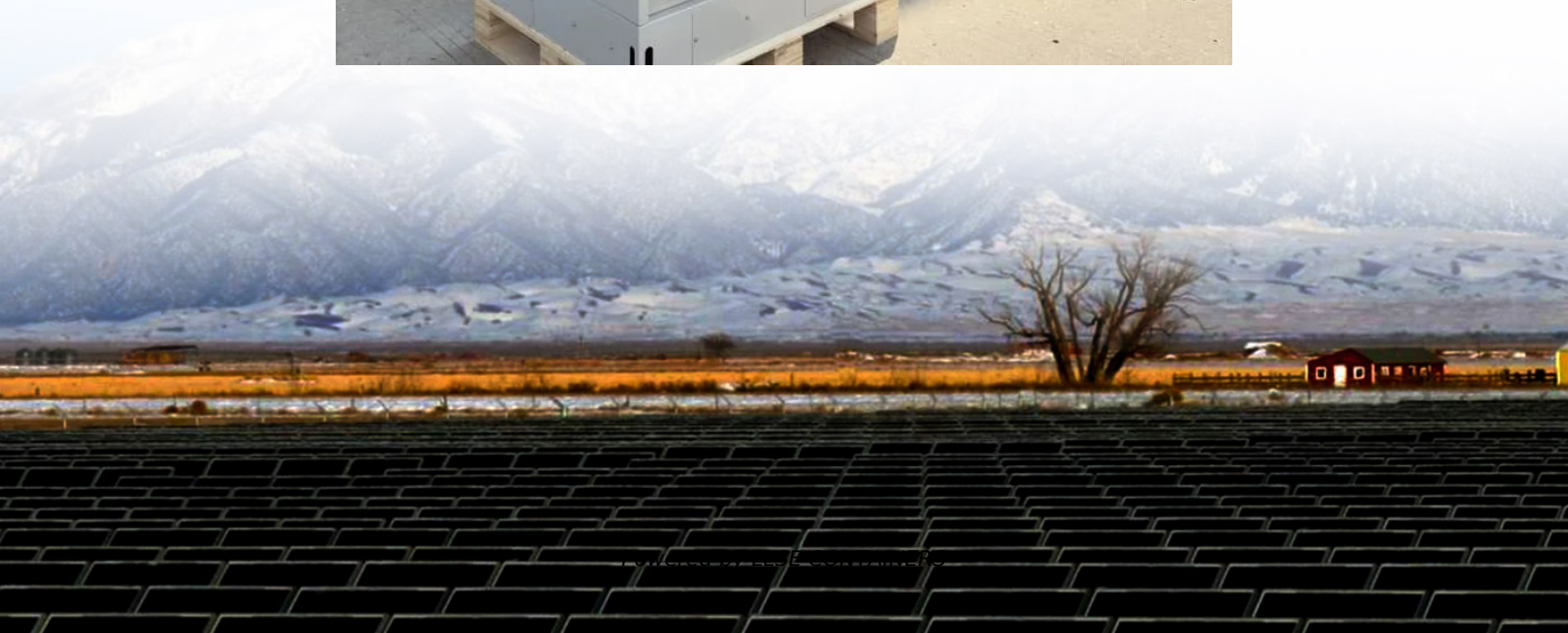


Wireless communication green base station identifies users





Overview

Consider a multicell downlink network, where the base stations (BSs) in different cells cooperate in the precoder level, while those in the same cell are coordinated for joint processing (JP). To achieve.

Can a new base station architecture improve multiuser network performance?

This paper proposes a new base station (BS) architecture employing multiple MAs for improving the multiuser network performance. First, the uplink multiple access channel (MAC) is modeled to capture the characteristics of the variation of wireless channels caused by the movement of MAs at the BS.

What is a green 6G wireless network architecture?

The case for a green 6G wireless network architecture It is challenging to discuss energy-efficient network design without considering cloud-based network architecture. Implementing a multi-tiered cloud-based network structure is an effective approach to conserving energy.

Why do we need a green wireless network?

The importance of reducing energy costs, reducing CO₂ emissions, and protecting the environment are leading to an increased focus on green, energy-efficient approaches to the design of next-generation wireless networks.

Will Green radio technology reduce the operating costs of wireless networks?

Again, from the perspective of network operators, energy is a significant portion of their OPEX (Operational Expenses). Therefore, green radio technologies will help to reduce the operating costs of wireless networks. Green ICT has become a critical agenda item around the world.



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