Base Station Coordination Process

The simulation results show that D 2 CP and D 2 CP-C outperform fixed channel partitioning by 33.37% and 76.01%, respectively, demonstrating that base station coordination and cross-tier cooperation ...

In this paper, we consider a relative received link power (RRLP)-based coordinated multi-point (CoMP) joint transmission (JT) in the multi-tier ultra-dense networks (UDN). In this CoMP ...

Abstract Improving cell-edge multi-user performance in 3GPP Long Term Evolution-Advanced networks is becoming a serious concern for the next generation wireless networks. This ...

Abstract--In this paper, we study the performance of base station (BS) coordination in heterogeneous networks (HetNets) with cache-enabled and renewable energy-powered small cell ...

Base Station Coordination Scheme for Multi-tier Ultra-dense Networks Sudarshan Mukherjee, Member, IEEE, Dongsun Kim, Student Member, IEEE, and Jemin Lee, Member, IEEE ...

The solution found by executing the algorithm proposes the use of the joint transmission (JT) cooperation scheme to interconnect user 7 to base stations 1 and 2, and for user 2 to maintain ...

The analysis is performed for a scenario consisting of base stations (BSs) whose positions follow a Poisson point process of a given spatial density. The tractability and accuracy of the derived ...

Cooperative Base Station Coloring for Pair-wise Multi-Cell Coordination Jeonghun Park, Namyoon Lee, and Robert W. Heath Jr. Abstract a method for

One efficient technique to combat intercell interference is via exploiting coordination among multiple base stations, which is known as multicell processing or simply base station ...

The coordination among the communication equipment and the standard equipment in 5G macro BSs is developed to reduce both the energy consumption and the electricity costs. A novel ...

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