

Improving performance-limited interference system with coordinated multipoint transmission

Abstract

This paper describes an overview of the key component in coordinated multipoint in the context of LTE-Advanced which includes architectures and approaches that can be employed. Most of the ideas presented are presently being studied and may diverge throughout the standardization work. A system model is proposed to employ the cooperative communication in interference-limited scenario which may help to improve the cell-edge performance.

Keywords

CoMP; Inter-cell interferences; Joint processing; LTE-Advance