

عنوان مقاله:

Capacity and coverage mobile challenges and optimization In contrast interferometry

محل انتشار:

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خلاصه مقاله:

In the new heterogeneous network there are new challenges that cause the interference. and the new heterogeneous network Femtocell base stations (FBSs) are low-power nodes to provide high throughput and customized services to users; together with macrocells they form heterogeneous networks (HetNets). Unfortunately, such a deployment challenges the interference management since femtocell networks tend to be large-scale and self-organized a typical policy is to isolate some resources from offensive femtocells and meanwhile victim macrocell users (MUEs) have a prior knowledge of those interference-free resources. Resource pattern indicates the femtocell to access which RBs at each time instant. In this paper, we design an interference avoidance scheme by optimizing the resource pattern in which we exploit channel variations in both frequency and time domains, maintain flexibility and enable the scheme in a completely distributed manner to fit for macro-femto scenario. the inter-cell interference coordination (ICIC) problem in heterogeneous cellular networks (HCN) with randomly deployed small-cell base stations (SBS).while the user-BS association is treated as a separate issue

کلمات کلیدی:

capacity,coverage,interferometry ,ICIC, CCO,heterogeneous network,SON

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