Abstract

With the advent of mobile technologies, communication is no longer a stationary element. In addition, with gradual sophistication of the technologies, the need for communication is no longer confined to voice only. Now, mobile communication encompasses voice, video and live streaming while the host is on the move. Various researches are going on to satisfy these needs to appreciable extent which can be taken farther to a satisfactory extent. Recently, 4G has been launched to address contemporary shortcomings of the mobile technology. To take the renovations steps ahead, the next phase of development will be commencing soon which is unofficially named as 5G. In this paper, we address some of the shortcomings still persisting in the current stage of networking and focus on some design considerations of 5G including High Altitude Platform, Femtocells, and Cognitive Radio.


Addison-Wesley/Longman, Reading, MA.

Design Considerations for 5G Mobile Network


**Index Terms**

Computer Science

Mobile Networks

**Keywords**

High Altitude Platform  Femtocell  Cognitive Radio