Abstract

Long Term Evolution (LTE) is a wireless data communication technology which spread Third Generation along with the ten times pace of 3G networks for mobile devices and wireless communications. LTE support additional network data per user and high data rates for voice communications and high throughput. And it will support improved spectrum efficiency and service driven services. LTE is a wireless network used to provide high network performance with which streaming of media will be easy in case there is a network drop out. LTE overcomes the obstacles of second and third generation. The target of LTE is to rebuild and facilitate the network architecture to an IP based system with much latency compared to third generation architecture and its interface will be different from the 2G and 3G interfaces to facilitate high range of data communications.

References

1. S. Tomazic and G. Jakus, "Long term evolution: Towards 4th generation of mobile
telephony and beyond”, 9th Int. Conf. on Telecommunication in Modern Satellite Cable and Broadcasting Services, pp. 91-96, 2009.


**Index Terms**

Computer Science

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**Keywords**

LTE, Latency, Spectrum Efficiency, MIMO, OFDMA, SC-FDMA