

Abstract Details

Title: An Overview of 4G-LTE Networks

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Abstract: Today, mobile communications play very essential part in arena of our everyday life begin of voice call to internet access, to cater for the enormous growth in mobile data and the huge number of user the operator need to know how to design and update their networks so that they can provide best services to the lowest possible cost. This paper provide an overview of the Long Term Evolution (4G-LTE), which is being developed by the 3rd Generation Partnership Project (3GPP). LTE constitutes the latest step towards the 4th generation (4G) of radio technologies designed to increase the capacity and speed of mobile communications. Particular attention is given to the releases of LTE and it architecture, its use of OFDM and MIMO and the security evaluation in LTE, Furthermore new future research areas are proposed here.

Keywords: LTE, EPC, OFDMA, SC-FDMA, MIMO, 5G.