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RESEARCH ARTICLE

A HETEROGENEOUS WIRELESS NETWORK FOR 5G MOBILE

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Abstract— ***We have introduced a design for future 5G mobile in heterogeneous wireless network. As compared to the situation of today, in 2020, mobile access networks will experience significant challenges. The paper throws light on the evolution and development of various generations of mobile wireless technology along with their significance and advantages of one over the other. This paper takes as starting point the situation of today, and tries to pinpoint important focus areas and potential solutions when designing an energy efficient 5G mobile network architecture. These include system architecture, where a logical separation of data and control planes is seen as a promising solution; network deployment, where (heterogeneous) ultra dense layouts will have a positive effect, radio transmission, In the near future, it is expected that mobile cloud computing (MCC) will benefit enterprises by improving network manageability and maintenance.***

Keywords— ***heterogeneous network; generation of mobile; network architecture; cloud computing; mobile cloud computing***

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