



ECE-9

Heterogeneous Wireless Sensor Network

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Heterogeneous network will be the network of the future because of the disadvantages of the traditional cellular networks. High power, high mobility traffic, low capacity and low coverage area are the most important disadvantages which face the traditional cellular networks. Also too many users demanding too much data is a big problem in traditional cellular network. Future networks will support huge mobile data traffic, support low mobility traffic, interwork efficiently with other radio technologies. Future networks will also be low power and environmentally friendly. Another technology will solve most problems of traditional cellular network. It is Wireless Sensor Network. Wireless sensor networks are made up of number of tiny mobile nodes, which have the capability of computation, sensing and Wireless network communication. All of these techniques help to development of the structure of cellular networks and to construct the fifth generation of mobile service structure.

In this paper the problems that face the cellular network and how to overcome these problems by using Heterogeneous Network and Heterogeneous Wireless Sensor Network and the structure of these networks.