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Wireless Communication and Comparison of Wireless Technology

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Abstract: *This survey research theoretically analyses the Third Generation (3G) of mobile devices and services, which will revolutionize wireless communications by permitting many real-time connections. Thanks to 3G wireless technology, a single user will be able to immediately access all information-on-demand services. The earliest analog mobile phones of the first generation originally appeared in the 1980s. The second generation of wireless technology made its appearance in the 1990s. The first digital mobile networks were released ten years later. Throughout the second generation, the telecommunications industry experienced exponential growth in terms of both subscribers and a wide range of new service options. Landlines are increasingly being replaced by mobile devices as the main form of personal contact. The successful implementation of new wireless data and Internet services has emerged as a key concern for manufacturers of communications equipment. The architecture of the next-generation network is dependent on the network components that offer wireless data services. This article offers a summary of current wireless technologies to address the growing demand for wireless multimedia services.*

Keywords: 3G, Wireless Networks, Codes, 3G Parameters

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