

The Capacity Demand for Next Generation Wireless Communication Systems

By:

Almas Uddin Ahmed

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C O N N E X I O N S

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we analysis the channel capacity of wireless communication systems and to define the Shanon capacity is limitation and this capacity can be improved by using the number of transmitter and receiver antennas and it exploit the advantages and also increased throughput, broad range in multipath fading environment and is capable to provide highest data capacity and also established a reliable wireless systems over the multipath fading channel like Rayleigh or additive white Gaussian (AWGN). In our observation , we have to implementation of different capacity i.e. outage and ergotic for different number of multi antenna systems in the terms of channel is known and unknown for transmitter as well as receiver. Furthermore, it takes the advantage of space time coding (STC) and provides coding and diversity gain and also support to MIMO log det formula.

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