

# **Transmit Diversity Scheme for Alamouti Space Time Block Codes**

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*Abstract* – Multiple Input, Multiple Output (MIMO) technology is a wireless technology that uses multiple transmitters and receivers to transfer more data at the same time. In order to utilize the huge potential of multiple antenna concepts, it is necessary to resort to new transmit strategies, referred to as Space-Time Codes, which, in addition to the time and spectral domain, also use the spatial domain. This paper shows a novel transmit diversity scheme for Alamouti space time block codes.

*Keywords* – MIMO, Alamouti, STBC.

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