

## **AN EFFICIENT MAPPING SCHEME WITH ROBUST COOPERATIVE CODING FOR CDMA NETWORKS**

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### **Abstract**

Transmit diversity generally requires more than one antenna at the transmitter. However, many wireless devices are limited by size or hardware complexity to one antenna. Recently, a new class of methods called cooperative communication, single antenna mobiles in a multi-user environment to share their antennas and generate a virtual multiple-antenna transmitter that allows them to achieve transmit diversity. This article presents an overview of the developments in this burgeoning field.