

Mário Marques da Silva, Rui Dinis, Américo Correia, "On Multi-Antenna Systems for Wireless Transmission Mediums", Progress In Electromagnetics Research Symposium 2013 (PIERS 2013), Taipei, Taiwan, 25-28MAR 2013

Abstract: Current and emergent services are demanding higher data rates, improved spectral efficiency and increased network capacity. To face this new requirements, it is important to find schemes able to reduce the effects of fading and explore new types of diversity.

The current work performs a comparison between different multi-antenna techniques that can be employed to achieve the requirements of the Fourth Generation Cellular Systems (4G). The described schemes are studied at the link and system level using Bit Error Rate as the performance index.