Editorial

MIMO Antenna Design and Channel Modeling 2014

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Every ten years or so, something big happens in mobile. Now, 5G is emerging ahead of the turn of a new decade and the next big change to hit mobile. Massive MIMO is believed to be a disruptive technology for the upcoming 5G standard, which makes a clean break with current practice through the use of a very large number of service antennas that are operated fully coherently and adaptively. Extra antennas help by focusing the transmission and reception of signal energy into ever-smaller regions of space. This brings huge improvements in throughput and energy efficiency, particularly when combined with simultaneous scheduling of a large number of user terminals.

In this special issue, we have received 18 paper submissions, the accepted papers include wideband MIMO antenna design, power allocation optimization, mutual Coupling suppression.

We sincerely hope that this special issue can further help the readers to understand MIMO design and MIMO channel modeling and explore the future 5G MIMO in the subsequent development and standardization of the system.

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