

5G LIGHTS THE WAY FORWARD: HIGH PRECISION VS ESTIMATION ERRORS IN WIRELESS COMMUNICATION SYSTEMS

Abstract:

Massive-MIMO is one of the main trend in 5G networks, especially for mmWaves. This lecture belongs to practical problems of massive-MIMO systems, which appear due to growth of spatial precision in wireless communication. But there are a lot of limitation to keep minimal error in parameter measurements to satisfy of the requirements for such precision systems. In the lecture we try to identify sources of the error, system robustness to these errors, and ways to minimize their impact. Also, it will be mentioned complexity problem for growth system dimensions. And how distributed approach can be used to overcome such problem.

14 NOV
16:00-18:00

VENUE
B4-3005,
new Campus,
Bolshoi Boulevard 30



Vladimir Lyashev, PhD

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- IEEE Senior Member

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