

電子情報通信学会東北支部講演会

「Deployment and Performance Challenges for IMT 2020」

- ◆日時：平成 28 年 5 月 31 日（火）13：30～14：30
- ◆会場：東北工業大学 八木山キャンパス 1 号館 1 3 1 教室
(宮城県仙台市太白区八木山香澄町 35-1)
- ◆講師：Dr. Mansoor Shafi 氏 (Spark New Zealand (旧ニューージーランドテレコム))
- ◆概要：The standardization process for IMT 2020 (5G systems) is expected to be completed in 2019 and early deployment is expected from about 2020- though some proprietary systems may even be deployed earlier. This talk describes the key technical performance targets for IMT 2020 and the challenges in achieving these. The degrees of freedom available to meet the targets are: increasing carrier bandwidth, increasing spatial degrees of freedom and increasing cell density. All three will be required. We shall examine the gains and challenges posed by each. IMT 2020 is expected to be deployed in microwave bands for wide areas and mm wave bands for hot spots and small cells. We shall consider the impact of key channel model parameters on system performance metrics (spectrum efficiency and eigen value structure) for both microwave and mm wave bands.
(<http://www.ice.tohtech.ac.jp/2016/05/2016531.html>)
- ◆主催：電子情報通信学会東北支部
- ◆共催：東北工業大学大学院工学研究科通信工学専攻
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