

# WiMAX IEEE802.16e: advanced features of PHY layer

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# Summary

- IEEE802.16-2005 PHY-specs: overview
- OFDM/OFDMA: review of basic concepts
- Wireless channel and diversity
- Multiple antennas ( $M \times N$ ) and interference mitigation
- Channel coding
- Sub-carrier permutations
- Interference diversity: PUSC/FUSC modes
- Link adaptation: AMC mode
- Scheduling and advanced features
- Overview of PHY IEEE802.16-2005 system performance



# Any questions or curiosity?

Feel free to contact me at my email

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