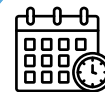


IEEE AP-S STUDENT BRANCH CHAPTER
in association with
IEEE MTT-S STUDENT BRANCH CHAPTER
organizing a
DISTINGUISHED LECTURE TALK
on
**ADVANCES IN ANTENNA+SYSTEMS
FOR FUTURE WIRELESS TERMINALS**

ABSTRACT

In this talk, technology trends and the features of 5G wireless standards will be presented. Then some of the major enabling technologies for 5G such as massive MIMO (MaMi) and mm-wave bands will be highlighted along with their features and applications. Challenges in the design of antenna systems for these enabling technologies will be discussed after in terms of complexity, size, etc. Specifications and design guidelines will follow. Several metallic based mm-wave MIMO antennas, dielectric-resonator antennas (DRAs) and reconfigurable MIMO Antennas will be discussed, as well as several MaMi arrays with beam-steering capabilities will be presented. The concept and modeling of multi-functional antenna systems and integrated 4G/5G handset antenna solutions will be shown with real examples.



18 AUGUST, 2025
02:30 PM (IST)



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