

5G / WIRELESS – DETAILED TRACK DESCRIPTION

1. Transport Technologies & Testing Strategies for 5G Deployment

Overview:

Service providers pioneering 5G network rollouts are pushing the limits of transport networks and fiber infrastructure that was designed for earlier technologies. As high-bandwidth, low-latency applications such as IoT, connected cars and virtual presence become mainstream, operators will need strategies and tools to ensure that their front-, mid- and backhaul networks can stand up to the stringent new requirements 5G brings.

Highlights will include:

- 5G Ecosystem Requirements
- Transport (Back-, mid- and fronthaul)
- Testing for Transport Applications
- Timing and Sync Technologies
- Timing and Sync Testing

2. 5G new radio NR, Wireless & Mobility

Overview:

This session will focus on 5G and how it is more than just about data speeds, it will offer new service verticals for operators, some of these verticals will offer major challenges in terms of network quality, reliability and availability. Mission critical applications will demand a network which can't fail, which means ensuring network quality will be at the core of the network deployment and management function. Whether it is the fiber infrastructure, the next generation front haul or the new radio (NR) air interface with mmWave and complex active beam forming antennas, network quality will depend on the rigor of test and measurement during the complete life cycle of the network.

5G is here. It is becoming a reality, and you need the right tools to validate all aspects of your 5G networks. This interactive session will provide you with a clear understanding of the challenges 5G networks bring to the industry and how to discover VIAVI tests solutions for network planning, installation and maintenance.

Learn how the VIAVI portfolio (**CellAdvisor 5G**, **MTS-5800**, and **fiber** instruments) helps installers, contractors, and cell technicians identify and troubleshoot issues in front-haul, mid-haul, and radio access variants of the network.

This session is a must for anyone involving on 5G system from mobile operators to contractors including NEMS or Service Providers.