Demystifying 5G Agenda

08:30 **Registration & continental breakfast**

09:00 **5G NR – motivation, services and infrastructure**
How does LTE-A pave the way for 5G?
Services offered by 5G NR
Status update:where are we with 5G, spectrum, deployments, visions?
5G NR infrastructure aspects
How does 5G NR aspire to be a QoS driven technology?
Security architecture in 5G

10:30 **Coffee break**

10:45 **5G NR air interface. Evolution or revolution?**
5G numerologies
Waveforms used in 5G NR
The definition of resource grid and bandwidth parts
Physical channels
Physical signals in 5G
Duplex schemes FDD and TDD – how are they realized in 5G?
Physical layer procedures; e.g. precoding, channel coding, beamforming

12:30 **Lunch provided by Rohde & Schwarz**

13:30 **5G NR – procedures**
Initial access and synchronization in 5G NR
5G NR data transfer – scheduling in UL and DL direction
Beamforming support – how do network and UE interact? UCI reporting.
The data flow through the 5G NR protocol stack

14:45 **Coffee break**

15:00 **5G NR – test and measurement aspects**
Demystifying massive MIMO and beamforming
What is OTA? Near field and far field
Testing concepts with OTA for UEs and base stations
Signalling test in 5G NR, physical layer testing
Field testing aspects in 5G NR

Outlook – what is next in 5G?
Enhancements in multiple access for 5G, i.e. NOMA, MUST, SCMA, etc
Current situation in the standardization forums: What will Rel. 16 bring?
Evolution of IoT machine type for 5G

16:30 **Q&A and close**

ROHDE & SCHWARZ