

Industrial Workshop IW10

Recent advances in antenna measurement systems in response to current and future test challenges (by Antenna Systems Solutions S.L. [ASYSOL])



Abstract:

In response to the latest trends in wireless communication and related test challenges, Antenna Systems Solutions, in cooperation with Next Phase Measurements, is continuously developing and improving the existing antenna test setups and delivering these to the customers, following the motto "Where innovation is standard". In this workshop we will review the results of the last improvements in the compact antenna test range design, from advanced modelling to practical measurement results at mm- and sub-mm-bands, and to the new improved design of wideband feeds covering more than a standard waveguide band.

Workshop Program (Friday, 26 March 2021, 14-14.30h)

Workshop will consist of 3 parts, with possibility to ask questions after each part.

Dr. Sergiy Pivnenko, "Introduction and outline of the workshop" (2 min)

Prof. Stuart Gregson, "Advanced modelling of serrated and rolled edge reflectors for CATR" (10 min)

Dr. Sergiy Pivnenko, "Measured results of a mini CATR quiet zone up to 170 GHz" (10 min)

Dr. Marc Dirix, "New improved wideband feed for CATR covering 1:1.7 relative bandwidth" (8 min)