

Title: 5G - the Road to a Super Connected World

Abstract:

Today's emerging technologies like immersive audio-video applications, IoT, and Industry 4.0, are encouraging us to dream about a much smarter and a fully-connected future world. Dreams for a better future bring unprecedented opportunities to the mobile industry. Technology innovations, especially 5G innovation, are accelerating our pace towards the better connected world. 5G is now becoming a global movement as a new generation of wireless technologies innovation, the standardization of 5G connectivity technology will have a fundamental impact on our daily life and the future of our society. In this talk, we present the roadmap of the 5G standard, the building block of fundamental technologies, the design principles and latest progress for the radio access network and master network architecture. Some of the technology challenges and advanced research directions will also be discussed.