Title: Towards Truly Immersive Holographic-Type Communication: Challenges and Solutions

Abstract:

With the advances in holographic display technology, holographic applications such as holographic teleconferencing or holographic tele-surgery are coming much closer to reality. However, such applications impose demands on networking infrastructure, which are not supported today. These demands include the support for ultra-low delays, high bandwidth, and the ability to coordinate and synchronize multiple data streams. The purpose of this talk is to articulate the network challenges, pinpointing gaps in existing networks and providing with possible solutions. In addition, we will show early stage experimental analysis of novel network architectures towards true immersive Holographic Type Communication.