

A Proposal for the Sixth ITU Workshop on Network 2030

Title:

Challenges for Network to Support Future Scientific Applications

Abstract:

Requirements from scientists usually lead the development of new technologies, just like the invention of Internet. Future scientific applications, especially for large scale scientific projects, such as SKA, put forward big challenges for network. In this talk, some typical big scientific projects will be introduced. Then, their requirements for data transfer and the challenges on future network will be analyzed, such as Tbps grade long distance transfer rate, high reliability, determined delay and intent-based provision.