6G and Intelligent Resource Management

Abstract:

This talk will identify and discuss technical challenges and recent results related to 6G mobile resource optimization. The talk is mainly divided into four parts. The first part will introduce 6G mobile networks, discuss about the 6G mobile networks architecture, and provide some main technical challenges in 6G mobile networks. The second part will focus on the issue of resource management in 6G networks and provide different recent research findings that help to develop engineering insights. The third part will address the machine learning and deep learning method based future 6G networks and address some key research problems. The last part will summarize by providing a future outlook of the 6G mobile network and intelligent resource optimization.