

Title: Cognitive Het-Net**Abstract:**

Artificial Intelligence (A.I.) and mobile communication racing for the future, most of the studies were discussing how much the mobile communication capability to handle the massive increase of intelligent connected devices, how much the data rate and latency should be, however it was essential to have a opposite study and project to check the investment we should pay for emerging the Artificial Intelligence into mobile communication networks, I explore the successful project of the first generation of the Intelligent mobile communication network via Vodafone combined AI solutions serving mobile communication network entirely.