Forum on Internet of Things: Empowering the New Urban Agenda

Geneva, Switzerland

19 October 2015

By: Shane He

Currently the Internet of Things (IoT) is not just a concept, but is in a gradually becoming a reality. With thousands of different verticals and use cases, how to connect IoT with people’s lives is one of the important technical issues. After analyzed current challenges and opportunities, this presentation shows the IoT system architecture, wherein the connectivity layer is acting as a foundation of the entire IoT Ecosystem. The network operators are expected to provide the scalable, flexible, efficient and secure networks in order to support this connectivity layer. The mobile network can be optimized and designed for various verticals based on different technologies, as LTE-M, GSM evolution, 5G, short-range communication, MEC, and security solutions, etc. Other solutions also offer flexible IoT deployment options on cloud, based on current core network or based on cloud infrastructure. In the future, the connectivity technologies will support selective and customized IoT services, and to expand the human possibilities of the connected world.