Title : **Massive IoT & 5G –** Bedrock for **"Internet of the Future"**

Abstract

The information flowing through the physical world and the global economy is staggering in scope. It comes from thousands of sources: sensors, satellite imagery, web traffic, digital apps, videos, and credit card transactions, just to name a few. These types of data sets are the next evolution in Big Data fueled by innovations in Machine learning and Artificial Neural network (ANN) – also called AI frameworks.

IoT (Internet of Things) is not only finding answers faster but creating transparency around issues that have always been murky. The rapid growth and ubiquitous use of cellular technology during the past 20 years has fundamentally changed the way we live, work and connect with each other—locally, regionally and globally. The technology which began with device connectivity and mobility for voice services quickly evolved to a broad range of data services, use cases and associated business models.

As 2025 nears, we stand on the brink of a new technological phenomena: fifth-generation mobile technology, better known as 5G. Named as a key component of the Fourth Industrial Revolution by the World Economic Forum, 5G is being touted by many as the "next big thing for wireless consumers." 5G promises to bring broadband in hard-to-reach areas, connect enterprises to their customers in ways not previously possible and unleash a new connected world of Metaverse and massive IoT connections.

And yet, while the promise of 5G is great, the technology is still young and evolving. Companies are starting to market various products and services that will run on 5G but the reality is that it's not ready for mainstream deployment. This transformation will be a multi-year journey as production deployments require stable specifications, production quality implementation and supportive ecosystems to be in place before widespread availability

This keynote will detail on the trends driving IoT across industry verticals with practical use cases. It will demystify how 5G , SDN constructs, Apps over Cloud & Edge Computing principles are creating massive acceleration for IoT deployments – from Health care to Retail, from Logistics to Transportation, from Service Providers to Enterprises. It will empower you with an industry peek into how 5G + IoT are transforming industries across verticals and ushering the benefits of true digitization