Ed Hightower
Principal
IoT and Beyond

Abstract:

The Internet of Things (IoT) is a collection of technologies that allow users to monitor (and sometimes control) remote physical objects via a communications network which connects these objects to backend computer systems for data collection and analysis… and if necessary, an appropriate response.

IoT solutions often rely on wireless technology to send data from devices/sensors in the field to these backend computer systems. This is particularly useful where a wired connection is not feasible.

Hightower will give a brief history of the IoT and break it down into three major areas: (devices/sensors + connectivity + backend computer systems). He will then focus on some of the key wireless technologies that will enable these communication networks. He will give an overview of wireless technologies such as Low Power Wide Area Network (LPWAN) protocols, and cellular's NB-IoT and LTE-M technologies as well as the new Citizen Band Radio Service (CBRS).

Biography

Ed Hightower is a successful technologist, executive, sales engineer, public speaker and business development manager with over 25 years' experience and expertise in the wireless, wireless data, machine-to-machine (M2M) and Internet of Things (IoT) domains.

He is a Low Power Wide Area Network (LPWAN) Subject Matter Expert (SME) and knowledgeable of various LPWAN technologies such as "Weightless", LoRa, Sigfox, and Ingenu's Random Phase Multiple Access (RPMA) as well as cellular's LTE-M and NB-IoT protocols and the new CBRS (Citizen Band Radio Service).

Ed has volunteered for technical organizations and councils throughout his career including Tech Titans (the technology association for North Texas, formerly the Metroplex Technology Business Council), IEEE CVT, IEEE MetroCon, Startup Week Dallas and many other tech/entrepreneurial organizations over the years. He has a BBA from the University of Texas at Arlington. More info available at: https://www.linkedin.com/in/edhightower/