

IoT and WSN for Health and Home Management

Presenter: Prof. Dr. Subhas Chandra Mukhopadhyay
FIEEE (USA), FIEE (UK), FIETE (India)
Department of Engineering
Macquarie University, NSW 2109
Email: Subhas.Mukhopadhyay@mq.edu.au

Abstract:

The advancements in electronics, embedded controllers, smart communicating devices as well as the progress towards a better informed, knowledge based society increase the demand for small size, affordable sensors that allow accurate and reliable data recording, processing, storing and communication. This led to the paradigm known as Internet of Things (IoT) in which Wireless Sensor Nodes are most important elements.

The seminar will present research activities on development of IoT and WSN based system towards managing our health and home in a better way. A holistic view of IoT, its challenges and opportunities will be presented. A new protocol called Wellness protocol for designing wireless sensor based smart home will be discussed.