



The Department of Mathematics, Statistics and Computer Science

St. Francis Xavier University

Presents

**Coverage Issues in Wireless Sensor Networks and
Internet of Things**

by

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The Wireless Sensor Networks (WSNs) and Internet of Things (IoT) recently have attracted enormous attentions in the academic fields and have been deployed for a large variety of critical applications.

A wireless sensor network (WSN) is a network formed by a large number of sensor nodes where each node is equipped with some sensors to detect physical phenomena. The Internet of Things (IoT) refers to the use of intelligently connected devices and systems to leverage data gathered by embedded sensors and actuators in machines and other physical objects. In IoT, the sensor nodes and devices are interconnected to transmit useful measurement information via distributed sensor networks.

Coverage, which reflects how well a sensor field is monitored, is an important performance metric and a critical factor for the success of a WSN and IoT. In this presentation, we will introduce the use and evolution of WSNs within the wider context of IoT, provide a review of WSNs and IoT applications, and discuss the coverage issues in WSNs and IoT.