School of Computer Science & Software Engineering
CITS4419 Mobile and Wireless Computing

MQTT
Week 5 Tuesday 28 August 2018

In this lecture we consider the problem of sharing and visualising data from sensor networks. We will consider the publish-subscribe protocol, MQTT, as well as visualization tools.

Questions (to guide your listening and reading)

1. What does the term *publish-subscribe* mean in the context of sensor network protocols.

2. How does the publish-subscribe paradigm differ from a traditional client-server protocol (eg HTTP)?

3. Briefly explain the following MQTT concepts: *client, topic, broker, publisher, subscriber.* Write some sentences showing how they are related.

4. What is involved in setting up an MQTT client? What types of messages could it send or receive?

5. What is MQTT's "last will and testament" feature? How does it work?

6. MQTT uses a *subject-based* approach for managing *topics*. Explain what this is with an example of how it works.

See this week's lab class for practical experiments with MQTT