**School of Computer Science & Software Engineering**

**CITS4419 Mobile and Wireless Computing**

**Introduction to Wireless Sensor Networks  
Week 1 Tuesday 31 July 2018**

In this lecture we give an overview of wireless sensor networks and their applications. And some administration on the organization and class times for this unit.

**Questions (to guide your listening and reading)**

1. In a few sentences, explain the differences between the terms ad hoc wireless, mobile and sensor when applied to networks.
2. What are the main components of a wireless sensor network (WSN)?
3. List some of the non-functional requirements for WSNs.
4. Why is end to end reliability difficult to achieve in a wireless sensor network?
5. Give some examples to explain the idea of “fit for purpose” requirements that may differ between WSN applications.
6. Do some research about one (or more) of the application scenarios described in today’s lecture that interests you. Find some deployed applications. What are the requirements for these applications? What are the main challenges?