

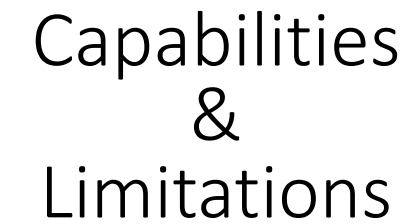
# Applying IoT Technology

## Design Informatics Collider Event

11<sup>th</sup> November

Simon Chapple  
Information Services  
University of Edinburgh

# Capabilities & Limitations



# Application: Things to think about

- Information to capture for each event:  
**When, Where, What**  
and how that information can be compactly represented.
- An IoT device must manage its compute, memory, power, and communications as (scarce) resources.
  - Sensors vary in their power requirements.
  - Embedded processing can reduce communication requirements.
- What does scale of deployment imply?
  - Robustness of data, but handling volume and frequency of data, and management of devices...