An Energy-Aware Web of People and Things, Events of Interaction & Complex Interaction of Events

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### Paradigm and Phenomenon

- **Internet of Things**
  - Uniquely identifiable objects (things) and their virtual representations in an Internet-like structure.

- **Cyber Physical Systems**
  - A system featuring a tight combination of, and coordination between, the system’s computational and physical elements.

- **Web of Things**
  - Web of Things implies a higher level of functionality and something that people will use.

### Connectedness

- Connecting People & Things
- Active vs Passive Exchange of Information (Intention?)
- Sensing, HCI
- Automation vs Interaction vs Communication
- Constraints, specification, limits, Designs innovation?

### Events of Interaction

- **Connect or Sense**
- **Control or Sense**
- Human Computer Interaction
  - Multimodal Expression vs Ambient Sensing

### CEP facilitates web of things?

- Managing and Executing Interactions of Events

### DIKW Model

- Wisdom
- Knowledge
- Information
- Data

#### Twitter for Things

**people to thing**

- I am off work
- @mikehomesecuritysystem
- @mike I am on

**thing to thing**

- I have woken up @mike
- @mikehomeAC
- @mike you should switch me off or set up #homeautomation

**people to people**

- @mike don’t ignore your AC
- RT @mikehomeAC you should switch me off or set up #homeautomation
- @mikehomeAC, pls switch off /cc @joh

#### Take Home Message

- Event processing can be applied in many applications.
- But finding applications which are transformed by event processing is important.