

The information processing systems (part 1 of 2) Questionnaire

1. Explain the principle of measuring and displaying temperature with a mercury thermometer.
2. Watching systems around you, give 5 examples of sensors.
3. Watching systems around you, give 5 examples of actuators.
4. Give different examples of display technologies.
5. What are the two fundamentally different input information that one can find in an information processing system? Think of your HiFi amplifier and name each of its input information.
6. Think about your HiFi system now (not only the amplifier). Is it controlled through a local access (and if so, is it controlled with or without a remote control?) or through a remote access? Name input and output information of the system.
7. Name the two ways of transmitting information in an information processing system, and give examples that you can find around you. Name different technologies related to these two ways of transmission.
8. Draw the synoptic of a TV system and name all the input and output information.

The information processing systems (part 2 of 2) Questionnaire

1. Give 5 examples of IoT applications and characterize the input and output information, the sensors and the actuators.
2. Give or imagine 3 examples of augmented reality applications.
3. Give the definition of wearable connected devices and give 5 examples.