Context Aware Services

Joel J. P. C. Rodrigues

Institute of Telecommunications, University of Beira Interior, Portugal

joeljr@ieee.org

Motivation

- Mobile phones are extremely popular and offer a great opportunity for offering new intelligent embedded services to the user in real time

- A truly pervasive and ubiquitous system must be sensitive to context and location.

- It would be created a system that could determine the user's circumstances or context.

  - Then, it can change its behavior in function of its user's context (the **mobile intelligent phones**)

Context Aware Services - Challenges

- **Context and location aware services** can create value to the users, increase productivity (find the right solution) and enhance the life quality

- **Ubiquitous computing** can benefit from WSNs from the perspective that sensed data can be used instead of the user without explicit intervention, turning ubiquitous computing into a reality.

  - **Internet connectivity in WSNs** is highly desirable, featuring sensing services at a global scale.

- It is foreseeable that any object in the near future will have an Internet connection – this is the **Internet of Things** vision.