Welcome

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Hello

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Applied Physics → Telecommunications/ICT4D Lab

Focal Point of the ITU Centre of Excellence in IoT and Big Data and Statistics

Visiting Professor at Kobe Institute of Computing in Kobe, Japan

Learning targets

Understanding IoT systems and their fundamental concepts, including the acquisition, transport and visualisation of sensor measurements.

Experimenting with the software part, without electronics, of an end-to-end IoT system based on IoT platforms.

Lessons

31.03. Introduction to the Internet of Things and MicroPython

1.04. Wireless Standards for IoT and MQTT

2.04. TheThingsNetwork (TTN) and LoRaWAN

3.04. Coverage Mapping

4.04. Experimenting with TTN

Today

⅓ Intro to IoT

⅓ MicroPython

⅓ Pycom Lab

Hands-on sessions

"Be excellent to each other", asking / helping is OK.

Google error messages to fix issues.

Coping blindly does not lead to new insight.

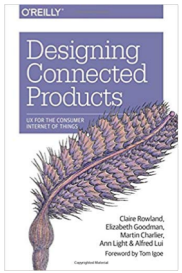
Reading other people's code helps a lot.

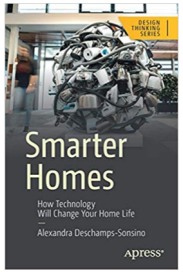
Books on IoT

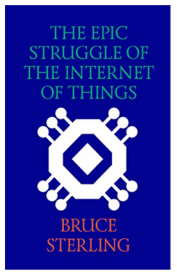
A book is not required for this course.

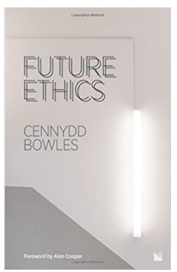
We will read individual articles on demand.

This Wiki has a list of books on a range of topics.









Feedback?

Email me mzennaro@ictp.it