

# WORKSHOP ON APPLIED SIGNAL PROCESSING



## 1st Workshop on Applied Signal Processing 15th May 2014



The workshop is organized by the **SEPSI** research laboratory and will take place at the Instituto Politécnico de Beja, ESTIG building installations.

The attendance is free and every participant will be given a presence certificate when requested.

**14h00m-14h20m (20 min)**

João Santos

licenciante Physics

*Virtual Instrumentation*

**14h20m-14h50m (30 min)**

Livio Conti

Laurea in Fisica, Dottorato di Ricerca in Fisica

*Teaching Physics, Instrumentation and Signal Processing as e-learning*

**14h50m-15h10m (20 min)**

João Martins

licenciante Physics Engineering

MSc Electrical Engineering and Computers

PhD Electrical Engineering and Computers

*Low Cost Micro-controllers: examples and applications for embedded systems*

**Coffe Break (30 min)**

**15h40m-16h00m (20 min)**

José Caeiro

licenciante Physics Engineering

MSc Electrical Engineering and Computers,

PhD Electrical Engineering and Computers

*The Python and Julia Programming Languages: scientific, numerical and signal processing*

**16h00m-16h30m (30 min)**

Livio Conti

Laurea in Fisica

Dottorato di Ricerca in Fisica

*Earthquake Preparation and Warning: science, methods and technologies*

**16h30m-16h50m (20 min)**

Henrique Oliveira

licenciante Civil Engineering

MSc Geographical Information Systems

PhD Electrical Engineering and Computers

*Road Crack Detection*

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**<http://sepsi.ipbeja.pt>**