

Analog electronic system architecture



ECTS
4 crédits



Hourly volume
54h

Introducing

Description

Objectives

At the end of this module, the student will have understood and be able to explain (main concepts):

- Dimension and design of analog electronic functions of information processing (filtering, amplification, automatic gain control, voltage controlled oscillators, modulators / demodulators AM and FM;
- Optimize the signal to noise ratio in each subset of an embedded system
- Modeling architectures for robust usage constraints (consumption, temperature to dissipate), the thermal variations of the environment and dispersions characteristics of components

Practical info

Location(s)

 Toulouse

Évaluation

L'évaluation des acquis d'apprentissage est réalisée en continu tout le long du semestre. En fonction des enseignements, elle peut prendre différentes formes : examen écrit, oral, compte-rendu, rapport écrit, évaluation par les pairs...