

# **Sensorial Systems**

## **Practical Class 5 – Edge Detection Filters**

### ***Objective:***

In this class it is intended to implement and test some methods of image conditioning, namely edge detection filtering.

### ***Procedure:***

1 - Implement and test a **Sobel Filter** for edge detection with 3x3 neighbourhood.

2 - Implement and test a Roberts Filter for edge detection.

3 – Compare both filters

Note: In both filters whenever the filter value is greater than 255, the value should saturate in 255 and for negative values use the absolute value.