

LIS

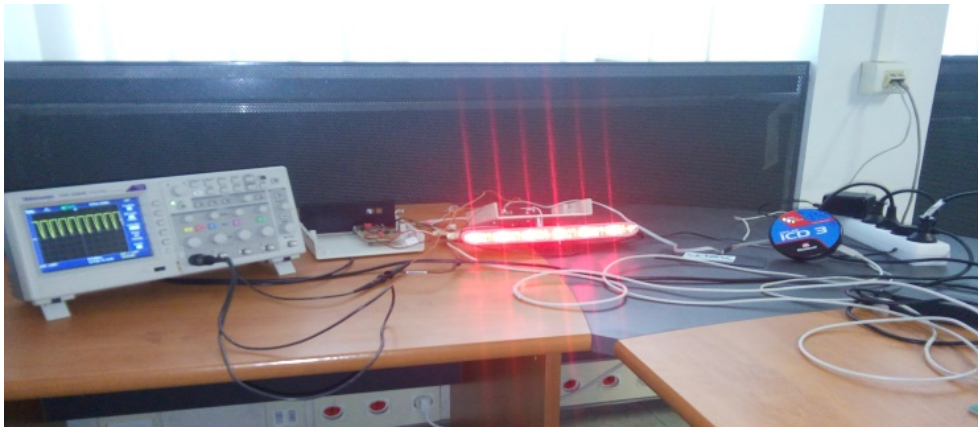
Laboratoire d'ingénierie des systèmes de Vers

PROJET12 - MASTER2 CSER 2015

LI-FI Communication based on PIC 18F2550

Summarize

The main objective of the project is the implementation and the experimental evaluation of a LI-FI system aimed for long ranges and suitable to work in noisy outdoor conditions. My project aims to study and perform two basic programs with two different encodings (Manchester and Miller codes), and to be able to transmit data at a rate of 11kbit/s, on a LiFi transmission, based on LED modulation. The used board is based on a PIC18F2550. My project can be used in a car application, for exemple to transmit data between two cars.



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