



DIOGO AVELAR

COLAB + ATLANTIC SCIENTIFIC PROJECT OFFICER FOR
RAEGE-AZ

DESCRIPTION

Diogo has a MSc in Electronics and Telecommunication from Aveiro's University. Passionate about fishing, Diogo started his own fishing business, after finishing his MSc, in his hometown Flores Island, Azores. Currently, Diogo moved to Santa Maria to work as Scientific Project Officer for RAEGE-AZ in his area of training.

CONTACT DETAILS

TELEPHONE:
(+351) 296 248 730

SITE:
<https://raege.eu/>

EMAIL:
diogo.f.avelar@a-raege-az.pt

EDUCATION

Aveiro's University
12/2014 – 09/2016

Throughout his MSc in Electronics and Telecommunication, Diogo developed some skills in microelectronics, software conception, wave propagation and moulded sign. In his MSc dissertation, Diogo has moulded intelligent batteries for electric cars, with a communication system in charging lines. For that he developed a precise algorithm to control the charge and discharge sates of the batteries.

RAEGE JOB SUMMARY

CoLAB +ATLANTIC / RAEGE - Technical coordination, I&D
02/2021 - Current

As a COLab +ATLANTIC Scientific Project Officer for RAEGE-Az, Diogo is in charge of achieving results in the data sciences domain, i.e., managing projects, creating scientific gateways with other institutions. Gathering know-how in order to achieve and develop some structured platform of information, resulting on a user-friendly access to big quantity of raw data created at Santa Maria facilities.

As a technical coordinator, Diogo is always aiming to find new opportunities that could benefit the usage of the equipment's present at the site, through electronics conception and software upgrades.

SKILLS

- Circuits & PCB design
- Programming languages:
 - MATLAB
 - C++
 - Java
 - Python
 - Assembly
- Wave's propagation
- Signal modulation/demodulation through analogue and digital means
- Networks