



# MARIANA SANTOS MOREIRA

AIR CENTRE SCIENTIFIC PROJECT OFFICER FOR RAEGE-AZ

## DESCRIPTION

As an Aerospace Engineer, Mariana is an enthusiast about Space Technology. Oceans and nature were always a crucial part of her life, which makes her a passionate person for the environment and an enthusiast in the study of our planet. Currently, Mariana is working as a Scientific Project Officer for RAEGE-AZ, developing research work in Geodesy, Geophysics and Earth Observation areas.

## CONTACT DETAILS

TELEPHONE:  
(+351) 296 248 730

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

EMAIL:  
[mariana.cs.moreira@a-raege-az.pt](mailto:mariana.cs.moreira@a-raege-az.pt)

## EDUCATION

---

**Instituto Superior Técnico de Lisboa**  
09/2013 – 12/2019

Mariana has a MSc in Aerospace Engineering with specialization in Space Technology. Throughout it, she had several courses in antennas and propagation, satellite systems, and electromechanical systems. During her MSc, she has worked in a Centre of Engineering and Product Development, as a research intern developing her master thesis with the title "Thermal and Structural Optimization of Small Satellites using Composite Materials". Being responsible to assess the viability of using different laminated composite materials for a satellite main structure, ensuring the structural and thermal performance of the satellite.

## RAEGE JOB SUMMARY

---

**AIR Centre / RAEGE-AZ – Scientific Project Officer**  
11/2020 – Current

Mariana is currently working at RAEGE station in Santa Maria island, as a Scientific and Project Officer in Geodesy, Geophysics and Earth Observation. Mariana's main function within RAEGE is to promote the interface between Earth Observation and Space Technologies, developing research work within those areas. Additionally, Mariana is responsible to implement technical and scientific activities that are of common to the scientific agenda of AIR Centre and RAEGE-AZ.

## SKILLS

---

- Data Analysis:  
VieVS
- Programming Languages:  
C / C++  
MATLAB  
Wolfram Mathematica
- CAD:  
SolidWorks  
CATIA V5
- FEA:  
Altair HyperWorks  
Siemens NX  
MSC Nastran