
Dimitrios Tsirantonakis

Physicist and MSc Student in Environmental Management

Kapodistriou 16, Chania, Crete, Greece

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Education

- 2019 – Currently: MSc Student Geoinformation in Environmental Management program, Mediterranean Agronomic Institute of Chania.
- 2010-2017: Diploma in Physics Department of Physics, University of Crete Thesis: Filterless separation of non-linear images based on their polarization response. Demonstration in *C.Elegans* muscles.

Computer Skills

Geoinformatics: ArcGIS, QGIS, ERDAS Imagine, Agisoft Metashape, ENVI.

Programming: Python, R, C++, Fortran. Experience with Machine Learning algorithms.

Other: Matlab, LaTeX, Microsoft Office.

Scientific Skills

Remote Sensing: High level of expertise in EO data, satellite imagery processing and analysis (optical and radar), and LiDAR data manipulation.

Environment: Familiar with E.U. Environmental Legislation framework regarding EIA and SEA, Analysis skills: Spatial Decision Support Systems development, Multicriteria analysis, Suitability assesment.

Urban Climate: Experience with urban remote sensing applications including studies of the urban climate and urban form. Familiar with implementation of urban surface and atmospheric models (SUEWS).

Professional and Academic Experience

- 2021 - Currently: **Research assistant** at the Remote Sensing Lab of IACM, FORTH.
- 2017 – Currently: Logistics and IT manager at Tsirantonakis Emmanouil Olive Oil Co.
- 2015 - 2017: **Intern** at the Non-linear Microscopy Lab of IESL, FORTH, as part of Bachelor's thesis.

Lab Experience

- Advanced Physics Laboratory - Department of Physics (undergraduate course)
- Non-linear Microscopy Lab - Institute of Electronic Structure and Laser, FORTH (thesis).
- Ultrafast Laser Micro- and Nano-Processing Lab, IESL-FORTH (undergraduate course).

Language Skills

Greek (mother tongue)

English (Certificate of Proficiency Michigan and Cambridge)

German (BI Zerifikat Diploma, Goethe Institut)

Licences

Category B **Driver's Licence**
