



**Emmanouil
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CONTACT

Nationality: Greek



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ABOUT ME

I am a Physicist with master degree at Environmental Engineering. My scientific interests includes code and algorithm development, study of Urban environment, urban climate, anthropogenic heat flux, thermal comfort, remote sensing,

WORK EXPERIENCE

01/04/2016 – CURRENT – Heraklion, Greece

Research Associate

Nektarios Chrysoulakis

My scientific activities includes code and algorithm development, study of Urban environment, urban climate, anthropogenic heat flux, thermal comfort, remote sensing and GIS software.

EDUCATION AND TRAINING

10/2009 – 08/2016 – Heraklion, Greece

BSc of Physics

University of Crete

<https://www.physics.uoc.gr>

10/2016 – 10/2020 – Chania, Greece

MSc of Environmental Engineering

Technical University of Crete

<https://www.chenveng.tuc.gr/en/home>

LANGUAGE SKILLS

MOTHER TONGUE(S): Greek

OTHER LANGUAGE(S): English

DIGITAL SKILLS

Programming languages: Python, C++ & Fortran etc. / Social Media

GIS software

ArcGIS, QGIS and ERDAS IMAGINE / Agisoft Metashape Pix4D AliceVision OpenDronemap Leica Infinity Cloud Compare / PCI Geomatica Software for processing Earth observation data / Geographical Information Systems (GIS)

Useful Software

Microsoft word, microsoft excel, power point / Zoom, Microsoft Teams, Skype, Discord etc.

PUBLICATIONS

- **Cellular Automata and Artificial Brain Dynamics**
2018 <https://doi.org/10.3390/mca23040075>
- **Validation of Pleiades Tri-Stereo DSM in Urban Areas**
2018 <https://doi.org/10.3390/ijgi7030118>
- **Spatiotemporal monitoring of surface temperature in an urban area using UAV imaging and tower-mounted radiometer measurements**
2019 <https://doi.org/10.1109/JURSE.2019.8808958>
- **Evaluation of nature-based solutions implementation scenarios, using urban surface modelling**
2021 <http://dx.doi.org/10.47248/HKOD902101010003>