



Marios Tserepis

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EDUCATION AND TRAINING

01/09/2016 – 11/07/2024 Heraklion, Greece
B.SC. ON PHYSICS University of Crete, Department of Physics

Website <https://www.physics.uoc.gr/en> | **Level in EQF** EQF level 6

LANGUAGE SKILLS

Mother tongue(s): **GREEK**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PROGRAMMING LANGUAGES

Python

Matlab

C++

DIGITAL SKILLS

Microsoft Office (Microsoft Office Word Microsoft Office Excel Microsoft Office Powerpoint)

PROJECTS

01/09/2023 – 18/06/2024

Estimating the Albedo of Urban Materials through the Bidirectional Reflectance Distribution Function

Cities have their own microclimate, which is influenced by many factors. One of these is the albedo of the materials used in cities, as it determines the percentage of radiation reflected by them. The light that is not reflected is instead absorbed by the materials, which increases their temperature. Using hyperspectral measurements of various materials, under different angles, and at different times of the day, the bidirectional reflectance distribution function can be modelled. These models can be used to calculate the albedo of the material.