



Konstantinos Karachristos

EDUCATION AND TRAINING

01/10/2013 – 03/08/2018 Patras, Greece

BACHELOR OF SCIENCE University of Patras, Department of Physics

Website <https://physics.upatras.gr/en/>

01/10/2018 – 28/02/2020 Patras, Greece

MASTER OF SCIENCE University of Patras, Department of Physics

Website <https://physics.upatras.gr/en/>

24/04/2020 – CURRENT Patras, Greece

PHD CANDIDATE University of Patras, Department of Physics

Website <https://physics.upatras.gr/en/>

LANGUAGE SKILLS

Mother tongue(s): **GREEK**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2

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

DIGITAL SKILLS

• Coursera Certification: Machine Learning. Credential ID: ANAVGBY5SVAE | • Udemy Certification: Python for Data Science and Machine Learning Bootcamp | Microsoft Word | Microsoft Office | Python Programming | MATLAB | Remote Sensing Softwares such as ERDAS, ENVI, SNAP.....

PUBLICATIONS

2024

[A Review on PolSAR Decompositions for Feature Extraction](#)

J. Imaging 2024, 10, 75. <https://doi.org/10.3390/jimaging10040075>

2024

[Fusion of Coherent and Non-Coherent Pol-SAR Features for Land Cover Classification](#)

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Electronics 2024, 13, 634. <https://doi.org/10.3390/electronics13030634>

2023

[Automatic Ship Detection Using PolSAR Imagery and the Double Scatterer Model](#)

Geomatics 2023, 3, 174-187

2022

[Land Cover Classification Based on Double Scatterer Model and Neural Net-works](#)

Geomatics 2022, 2, 323-337

2022

[PolSAR Cell Information Representation by a Pair of Elementary Scatterers](#)

Remote Sens. 2022, 14, 695

2021

[Fully Polarimetric Land Cover Classification Based on Hidden Markov Models Trained with Multiple Observations](#)

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Advances in Remote Sensing, 10, 102-114

● WORK EXPERIENCE

16/02/2024 – CURRENT Patras, Greece

SECONDED, PROJECT: EBORDER H2020-MSCA-RISE PROJECT UNIVERSITY OF PATRAS

01/10/2023 – 19/12/2024 Barcelona, Spain

RESEARCH ASSISTANT AT THE INSTITUTE OF BIOENGINEERING OF CATALONIA (IBEC) IN SIGNAL PROCESSING GROUP INSTITUTE OF BIOENGINEERING OF CATALONIA (IBEC)

Signal Processing

Project: electronic nose on "SNIFFERDRONE"

01/10/2020 – 01/01/2021 Patras, Greece

ASSISTANT TO PHYSICS LABORATORY UNIVERSITY OF PATRAS

Assisting Professors during undergraduate Physics laboratory sessions.

01/10/2022 – 01/01/2023 Patras, Greece

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01/10/2021 – 01/01/2022 Patras, Greece

ASSISTANT TO PHYSICS LABORATORY UNIVERSITY OF PATRAS

Assisting Professors during undergraduate Physics laboratory sessions

01/02/2022 – 01/06/2022 Patras, Greece

ASSISTANT TO COMPUTER PROGRAMMING LABORATORY UNIVERSITY OF PATRAS

Assisting Professors during undergraduate Computer Programming laboratory sessions

01/02/2023 – 01/06/2023 Patras, Greece

ASSISTANT TO COMPUTER PROGRAMMING LABORATORY UNIVERSITY OF PATRAS

Assisting Professors during undergraduate Computer Programming laboratory sessions