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 Classifica-tion

Write here the description...

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
ASSISTANT TO PHYSICS LABORATORY UNIVERSITY OF PATRAS

Assisting Professors during undergraduate Physics laboratory sessions

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