



# Dionysis Christopoulos

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**Gender:** Male **Date of birth:** 15/12/1998 **Nationality:** Greek

## WORK EXPERIENCE

### *National Technical University of Athens, RSLab*

**City:** Athens | **Country:** Greece | **Name of unit or department:** Remote Sensing Lab

[ 09/2022 - Current ]

### **Research Associate**

## PUBLICATIONS

[ 2026 ]

### **[Attention, Please! Revisiting Attentive Probing Through the Lens of Efficiency](#)**

**Reference:** Psomas B.\*, Christopoulos D.\*, Baltzi E., Kakogeorgiou I., Aravanis T., Komodakis N., Karantzalos K., Avrithis Y., Toliaas G., ICLR 2026  
[Project page](#)

[ 2025 ]

### **[TRACE: Transformer-based Risk Assessment for Clinical Evaluation](#)**

**Reference:** Christopoulos D., Spanos S., Ntouskos V., Karantzalos K., IEEE Access, 2025

[ 2025 ]

### **[CloudTran++: Improved Cloud Removal from Multi-Temporal Satellite Images Using Axial Transformer Networks](#)**

**Reference:** Christopoulos D., Ntouskos V., Karantzalos K., Remote Sensing. 2025; 17(1):86.

[ 2022 ]

### **[CloudTran: Cloud Removal from Multitemporal Satellite Images using Axial Transformer Networks](#)**

**Reference:** Christopoulos D., Ntouskos V., and Karantzalos K., ISPRS, XLIII-B2- 2022, 1125-1132, 2022.

## PROJECTS

### **Pharos: The Greek AI Factory for accelerating AI innovation**

#### **iToBoS (Intelligent Total Body Scanner for Early Detection of Melanoma)**

Contributions:

- AI clinical risk assessment tool development
- Tabular data preprocessing
- Integration of multimodal datasets including dermoscopy images, clinical phenotype, imaging phenotype and genomics for holistic risk assessment
- Integration of developed models with AI privacy, anonymization and minimization tools
- Integration of developed models with XAI tools

Project website: <https://itobos.eu/>

#### **BiCUBES - Analysis-Ready Geospatial Big Data Cubes and Cloud-based Analytics for Monitoring Efficiently our Land & Water**

Contributions:

- Multi-temporal, cloud-free harmonized satellite datacubes creation

## EDUCATION & TRAINING

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[ Current ]

### PhD Candidate

#### *National Technical University of Athens*

Advancing Efficient Multi-Modal Representation Learning in Remote Sensing and Computer Vision

[ 2022 - 2024 ]

### MSc Geoinformatics

#### *National Technical University of Athens*

**City:** Athens | **Country:** Greece | **Final grade:** 9.3 | **Thesis:** Leveraging Attention Mechanism in Clinical Risk Assessment: A Framework For Heterogeneous Data

[ 2016 - 2022 ]

### Rural, Surveying and Geoinformatics Engineering

#### *National Technical University of Athens*

**City:** Athens | **Country:** Greece | **Final grade:** 7.8 | **Thesis:** Cloud Removal From Multitemporal Satellite Images Using Axial Transformer Networks

[ 2022 ]

### Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization Course

#### *DeepLearning.AI*

[ 2021 ]

### Neural Networks and Deep Learning Course

#### *DeepLearning.AI*

[ 2021 ]

### AutoCAD 2D Certificate

#### *Infostudio (Autodesk Authorized Training Center)*

## SKILLS

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### Software Development Skills

Machine Learning | Deep Learning | Neural Networks | Data Science | PyTorch | Tensorflow | Scikit-Learn | Numpy | Pandas | Data Visualization | Anaconda | Git | Docker

### Programming Languages

Python | LaTeX

### Other

PostgreSQL | AutoCAD 2D | ArcGIS | QGIS

### Microsoft Office

Microsoft Word | Microsoft Powerpoint | Microsoft Excel

## LANGUAGE SKILLS

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**Mother tongue(s):** Greek

**Other language(s):**

**English**

**LISTENING:** C2 **READING:** C2 **WRITING:** C2

**SPOKEN PRODUCTION:** C2 **SPOKEN INTERACTION:** C2

## VOLUNTEERING

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[ 31/10/2023 - 02/11/2023 ]

**Organizing Committee Member - 13th Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing** Athens, Greece

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**CONFERENCES &  
SEMINARS**

[ 29/09/2024 - 04/10/2024 ]

**18th European Conference on Computer Vision (ECCV)** Milan, Italy

[ 07/07/2024 - 12/07/2024 ]

**44th IEEE International Geoscience and Remote Sensing Symposium (IGARSS)**  
Athens, Greece