

# Giorgos Pissanos

Physics engineer

 giorgos1pi@gmail.com

 306 97 46 81 349

 Skra 14, Piraeus

 Greek, Hellenic

 Personal vehicle

## Work experience

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**Scientific Researcher**, *National Center for Scientific Research "Demokritos", Athens*  
Working as a research scientist at the Epitaxy and Surface Science Laboratory, for the European project FIXIT, focusing on the fabrication and electrical characterization of Ferroelectric tunnel junctions and ferroelectric memristors.

06/2025 – Present  
Athens, AT, Greece

**Employee**, *ΟΜΙΛΟΣ ΜΕΛΕΤΩΝ ΚΑΙ ΑΝΑΠΤΥΞΙΑΚΟΥ ΣΧΕΔΙΑΣΜΟΥ ΑΕ*  
Worked mainly on microsoft excel where i processed data of works proposed by "ΕΣΠΑ".

12/2023 – 02/2024  
Athens, AT, Greece

**Teacher**, *Private lessons*  
Given private lessons as a teacher on the subjects of mathematics and physics to students of all highschool grades.

09/2014 – 07/2023  
Athens, AT, Greece

## Education

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**Meteorologist observer**, *Hellenic National Meteorological Service*  
Complete my military obligations with the speciality of a meteorologist observer after successful training in the Hellenic National Meteorological Service.

03/2024 – 02/2025  
Athens

**Interdepartmental program of postgraduate studies on "Microsystems and Nanodevices"**, *National Technical University Athens*

10/2021 – 06/2023  
Athens

Name of thesis: "Nitride memristors with different stoichiometry", carried out at NCSR "Demokritos". The experimental results where received from electrical and optical characterization methods.

**Applied mathematics and physical sciences**, *National Technical University Athens*  
Choose applied physics specialty after 2 years of general studies on mathematics and physics, focused more on studies on new technological materials and optoelectronics and laser. Name of thesis "Design of gas sensors for the detection of environmental pollutans"

09/2012 – 11/2021  
Athens

## Skills

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**Clean room processes for the construction of micro-nano systems and nanoelectronic devices**  
Acquired through subjects during my BSc and MSc years.

**Electronics**

Knowledge of basic electronics acquired by a seminar i attend on udemy.com, and some subjects on electronics that i attended during my BSc

**Electrical and optical characterization**

Basic characterization methods such as impedance spectroscopy, I-V measurements, C-V measurements.

## **Languages**

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**Greek**

**English**

Certificate of Proficiency,  
University of Michigan

## **Interests**

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- Swimming and spearfishing
- Basketball
- Piano and guitar

## **Assets**

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**Function under pressure**

**Suggest new ideas**

**Take initiatives**

**Undertake responsibilities**

**Hardworking**

**Eager to acquire new skills**

## **Computer skills**

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- OriginLab
- Microsoft Office
- Java
- Matlab

## **Publications**

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**A.E. Mavropoulis, G. Pissanos, N. Vasileiadis, P. Normand, G.Ch. Sirakoulis, P. Dimitrakis, SiNx RRAMs performance with different stoichiometries, Solid-State Electronics, Volume 230, 2025, 109252, ISSN 0038-1101, <https://doi.org/10.1016/j.sse.2025.109252>.** 

**A.E. Mavropoulis, I. Kanellopoulos, G. Pissanos, G. Samara, N. Vasileiadis, E. Stavroulakis, P. Normand, G. Ch. Sirakoulis, P. Dimitrakis, "Breakdown characteristics of SiNx with different stoichiometries for resistive memories\*," 2025 IEEE 20th Nanotechnology Materials and Devices Conference (NMDC), Delhi, India, 2025, pp. 362-365, <https://doi:10.1109/NMDC64551.2025.11234186>.** 