

Giorgos Pissanos

Physics engineer

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🚗 Personal vehicle

Work experience

Scientific Researcher, *National Center for Scientific Research "Demokritos", Athens* 06/2025 – Present
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. Athens, AT, Greece

Employee, *ΟΜΙΛΟΣ ΜΕΛΕΤΩΝ ΚΑΙ ΑΝΑΠΤΥΞΙΑΚΟΥ ΣΧΕΔΙΑΣΜΟΥ ΑΕ* 12/2023 – 02/2024
Worked mainly on microsoft excel where i processed data of works proposed by "ΕΣΠΑ". Athens, AT, Greece

Teacher, *Private lessons* 09/2014 – 07/2023
Given private lessons as a teacher on the subjects of mathematics and physics to students of all highschool grades. Athens, AT, Greece

Education

Meteorologist observer, *Hellenic National Meteorological Service* 03/2024 – 02/2025
Complete my military obligations with the speciality of a meteorologist observer after successful training in the Hellenic National Meteorological Service. Athens

Interdepartmental program of postgraduate studies on "Microsystems and Nanodevices", *National Technical University Athens* 10/2021 – 06/2023
Name of thesis: "Nitride memristors with different stoichiometry", carried out at NCSR "Demokritos". The experimental results where received from electical and optical characterization methods. Athens

Applied mathematics and physical sciences, *National Technical University Athens* 09/2012 – 11/2021
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 pollutants" Athens

Skills

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

Greek

English

Certificate of Proficiency,
University of Michigan

Interests

- Swimming and spearfishing
- Basketball
- Piano and guitar

Assets

Function under pressure

Suggest new ideas

Take initiatives

Undertake responsibilities


Hardworking

Eager to acquire new skills

Computer skills

- OriginLab
- Microsoft Office
- Java
- Matlab

Publications

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>. 