

PERSONAL INFORMATION

SURNAME: PAPPAS

NAME: PANAGIOTIS

DATE OF BIRTH: 08/08/1991

PLACE OF RESIDENCE: ATHENS

e-mail:

p.pappas@inn.demokritos.gr

panagiotispappas@central.ntua.gr/

panospappas192@gmail.com

TEL: 6988181884

MOBILITY

12.2020 - present

Post-Doc Research Associate/SKYTOP/Graphene and 2D Materials for Nanoelectronics group lead by Dr. Athanasios Dimoulas

Epitaxy and Surface Science Laboratory/ Institute of Nanoscience and Nanotechnology/ N.C.S.R "Demokritos", Greece.

06.2020 - 08.2021

Ph.D. - Post Doc researcher/M2DART/Theoretical Condensed Matter physics group lead by Professor Leonidas Tsetseris

Laboratory of Advanced Materials and Micro/Nano Devices (LAMDE)/ Physics Department, School of Applied Mathematical and Physical Sciences/ National Technical University of Athens, Greece

11.2015 - 09.2020

Ph.D student/Group of Superconductivity supervised by Professor Efthymios Liarokapis

Laboratory of Advanced Materials and Micro/Nano Devices (LAMDE)/ Physics Department, School of Applied Mathematical and Physical Sciences/ National Technical University of Athens, Greece

EDUCATION

09.2015 - 09.2020

Ph.D, School of Applied Mathematical and Physical Sciences/ Physics Department, National Technical University of Athens, Greece, "Study of Multiferroic Systems (Μελέτη Πολυφερροϊκών Συστημάτων)".

11.2014 -09.2016

Masters Degree from “Interdepartmental Program of postgraduate studies in Microsystems and Nanotechnology”, School of Applied Mathematical and Physical Sciences/ Physics Department, National Technical University of Athens, Greece, “X-ray Diffraction study of EuTiO_3 by synchrotron radiation (Μελέτη περίθλασης ακτίνων-X του υλικού EuTiO_3 με ακτινοβολία σύγχροτρον)”, Masters Degree grade: 8.00/10.00.

09.2009-10.2014

Five year Diploma, School of Applied Mathematical and Physical Sciences/ Physics Department, National Technical University of Athens, Greece, “Raman study of EuTiO_3 ”, Diploma grade: 8.06/10.00.

PUBLICATIONS

- **Magnetic interactions and the puzzling absence of any Raman mode in EuTiO_3** , Panagiotis Pappas, Efthymios Liarokapis, Maria Calamiotou, and Annette Bussmann-Holder, *J Raman Spectrosc*, 1– 11, (2021), <https://doi.org/10.1002/jrs.6075>
- **Epitaxial HfTe_2 Dirac semimetal in the 2D limit**, Polychronis Tsipas, Panagiotis Pappas, Evgenia Symeonidou, Sotirios Fragkos, Christina Zacharaki, Evangelia Xenogiannopoulou, Nikitas Siannas, and Athanasios Dimoulas, *APL Materials* **9**, 101103 (2021); <https://doi.org/10.1063/5.0065839>
- **Formation and properties of iodine- and acetonitrile-functionalized two-dimensional Si materials: a Density Functional Theory study**, Dimitrios Kaltsas, Panagiotis Pappas, Leonidas Tsetseris, *Phys. Chem. Chem. Phys.*, 2022, **24**, 411-418. [10.1039/D1CP03442A](https://doi.org/10.1039/D1CP03442A)
- **Magnetic field driven novel phase transitions in EuTiO_3** , P. Pappas, M. Calamiotou, M. Polentarutti, G Bais, A. Bussmann-Holder, and E. Liarokapis, *J. Phys.: Condens. Matter* **34** 02LT01. [10.1088/1361-648X/ac2f11](https://doi.org/10.1088/1361-648X/ac2f11)
- **Nonlinear electrostrictive lattice response of EuTiO_3** , P. Pappas, M. Calamiotou, J. Köhler, A. Bussmann-Holder, and E. Liarokapis, *Appl. Phys. Lett.*, **111**, 052902 (2017), <https://doi.org/10.1063/1.4996494>

CONFERENCES/WORKSHOPS/etc.

- XXXV Panhellenic Conference of Solid State Physics & Material Science, oral presentation “Magnetic interactions and novel phase transitions in EuTiO_3 ”, 26-29 September 2021, online event
- 9th Hellenic Crystallographic Association (HeCra) Conference, oral presentation “Nonlinear electrostrictive lattice response of epitaxial EuTiO_3 film studied with Grazing Incidence Synchrotron Diffraction”, 5-7 October 2018, Patra Greece
- Full participant at Hercules 2018 European School, poster presentation “Nonlinear electrostrictive lattice response of EuTiO_3 ”, 25 February-30 March 2018, Grenoble France.
- XXXI Panhellenic Conference of Solid State Physics & Material Science, oral presentation “Induced Raman scattering in multiferroic EuTiO_3 ”, 20-23 September 2015, Thessaloniki Greece

TEACHING ACTIVITIES

2019- 2020 Laboratory Tutor for first and second year undergraduate Physics labs – Solid state Physics, National Technical university of Athens/ Greece

FELLOWSHIPS and AWARDS

2016 - 2019 Scholarship from the State Scholarships Foundations (IKY) for Ph.D research, School of Applied Mathematical and Physical Sciences/ Physics Department, National Technical University of Athens, Greece.

2018 - 2018 Scholarship from HERCULES 2018 organizing committee for the full time enrollment in Hercules 2018 European School, Grenoble France.

RESEARCH GRANTS

Project Title	Funding source	Period	Role of the PI
“Investigation of the local structure and magnetic nanodomains in EuTiO_3 ” CERIC Proposal # 20202036	CERIC-ERIC	17-25/11/2020	Participant in synchrotron based experiment
“Magnetic field induced lattice modifications and its effect on the structural phase transition of EuTiO_3 ” Elettra Proposal #20200415	ICTP-Elettra Users Program support	29/8-3/9/2020	Participant in synchrotron based experiment
“FTIR study of structural transitions and magnetic interactions in EuTiO_3 ” Elettra Proposal #20195430	ICTP-Elettra Users Program support	17/02/2020-22/0/2020	Participant in synchrotron based experiment
“Structural transitions and magnetic interactions in EuTiO_3 epitaxial film” CERIC Proposal #20192051	CERIC-ERIC	8/2019-11/2019	Participant in synchrotron based experiment