

## PERSONAL INFORMATION

## Antonis Papadopoulos



📍 58, Skordylon Street, 71202 Herakleion (Greece)

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✉ antopap17@gmail.com

Sex Male | Date of birth 17/01/1991 | Nationality Greek-Cypriot

## WORK EXPERIENCE

11/2016–Present

**Physicist**

Prof. George Kioseoglou, HERAKLIO (Greece)

University of Crete and Foundation for Research and Technology - Hellas

PhD Thesis "Advanced Laser Processing and Spectroscopy of 2D materials"

Work Experience on:

- Time-resolved spectroscopy
- Photoluminescence Spectroscopy
- Operation of Ultrafast Laser
- Raman Spectroscopy

09/2015–10/2016

**Material Scientist**

Emmanuel Stratakis, Herakleion (Greece)

University of Crete and Foundation for Research and Technology - Hellas

Master Thesis "Ultrafast Laser Processing on Transparent Materials"

Work Experience on:

- Operation of Ultrafast Laser
- UV-Visible Spectroscopy
- SEM Microscopy
- Time-resolved spectroscopy
- Contact angle measurements

01/2014–09/2015

**Polymer Chemist**

Maria Vamvakaki, Herakleion (Greece)

University of Crete

Undergraduate thesis for "Synthesis and characterization of biodegradable copolymers for tissue engineering"

The polymers were characterized by:

- Gel permeation chromatography
- <sup>1</sup>H Nuclear Magnetic Resonance
- Fourier transform infrared spectroscopy

- Differential scanning calorimetry
- Thermal gravimetric analysis

01/10/2013–31/12/2013

**Biotechnology for cell culture**

LAAS-CNRS, Toulouse (France)

Practice internship for developing new materials for cell culture

Cell compatibility studies using NRK cells on:

- 3D hydro-gels of agarose. Encapsulation of cell in agarose droplets using microfluidic system.
- 2D scaffolds of chitosan base materials

15/06/2013–15/08/2013

**Chemist**

Maria Vamvakaki, Herakleion (Greece)

Foundation for Research and Technology - Hellas

Position: Training Student for "Developing Biodegradable Polymers for Tissue Regeneration" Project

06/2007–08/2007

Fasouri Water Park, Limassol (Cyprus)

Position: employee in restaurant

**EDUCATION AND TRAINING**

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22/11/2016–Present

**PhD Student at the Department of Materials Science and Technology**

University of Crete, Heraklion (Greece)

Advance Laser Processing and Spectroscopy of 2D Materials

25/06/2017–29/06/2017

**European Conference on Lasers and Electro Optics**

Messe Munchen, Munich (Germany)

Oral Speech

"Ultrafast Laser Fabrication of Biomimetic Micro and Nano Structured Surfaces With Circular and Vectorial Polarization States"

25/10/2016–27/10/2016

**2nd Israel - Greece Joint Meeting on Nanotechnology and Bionanoscience**

Foundation for Research and Technology - Hellas, Herakleion (Greece)

Poster presentation for "Ultrafast Laser Fabrication of Biomimetic Micro and Nano structured Surfaces"

Best Poster Award

10/2014–11/2016

**Masters in Material Science and Technology**

UNIVERSITY OF CRETE, Herakleion (Greece)

21/09/2014–24/09/2014

**30th Panhellenic Conference on Solid-State Physics and Materials Science**

University of Crete, the Institute for Electronic Structure and Laser of FORTH and the

Technological Educational Institute of Crete, Herakleion (Greece)

Poster Presentation for "Synthesis and Characterization of Biodegradable Copolymers For Tissue Engineering"

09/2010–07/2014

**Bachelors in Materials Science and Technology**

VERY GOOD 7,96  
SEVEN AND  
NINETY SIX  
HANDREDTHS

UNIVERSITY OF CRETE - PUBLIC UNIVERSITY, Herakleion (Greece)

2008–2010

Military Servise (Cyprus)

2005–2008

High School of General Education at Cyprus Certificate of Graduation(Apolytirion in Greek): 18/20, Limassol (Cyprus)

**PERSONAL SKILLS**

Mother tongue(s) Greek

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Proficiency Level					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Digital skills

Good command of Microsoft Office (Windows)  
Good command of Open Office (Linux)  
Basic knowledge of Fortran 95  
Basic knowledge of AUTOCAD  
Basic knowledge of MATLAB  
Basic knowledge of LabVIEW  
Basic knowledge of Java  
Basic knowledge of Javascript  
Basic knowledge of HTML5

Driving licence

AM, A1, B1, B

**ADDITIONAL INFORMATION**

Publications

- 1) Tsididis, G. D.; Skoulas, E.; Papadopoulos, A.; Stratakis, E., Convection roll-driven generation of supra-wavelength periodic surface structures on dielectrics upon irradiation with femtosecond pulsed lasers. Physical Review B 2016, 94 (8), 081305.
- 2) A Papadopoulos; E Skoulas; GD Tsididis; E Stratakis, Formation of periodic surface structures on dielectrics after irradiation with laser beams of spatially variant polarisation: a comparative study, Applied Physics A 124 (2), 146
- 3) I. Konidakis; E. Skoulas; A. Papadopoulos; E. Serpetzoglou; E. Stratakis, Erasable and rewritable laser-induced gratings on silver phosphate glass, Applied Physics A 124(12)

## Teaching Experience

- 1) Assistant,  
Introduction to programming - Fortran,  
September 2014 - December 2014.
  
- 2) Laboratory Assistant,  
Solid State - Undergraduate Lab,  
Doping and Characterization of Semiconductors,  
March 2016 - Present.
  
- 3) Laser and Modern Optics Undergraduate Laboratory,  
Fabrication of biomimetic surfaces on silicon using ultrafast lasers,  
April 2018 - Present