

ALEXANDROS TZIMIS

Physicist, B.Sc., M.Sc.

PERSONAL

Date of birth: 28 June 1985
Nationality: Greek
Military service: Completed
email: tzalex(AT)gmail(DOT)com

SUMMARY

I am an experimental physicist specializing in micro and opto electronics, with research and analytical skills, background in light-matter interaction, experience in teaching, and strong interest in lab automation and data analysis. I like technology, food, and cats.

WORK EXPERIENCE

UNIVERSITY OF CRETE | CONTRACT TEACHING ASSISTANT Heraklion, Greece, Fall: 2013 - 2016
Undergraduate Physics Labs

IESL - FORTH | CONTRACT RESEARCHER Heraklion, Greece, July 2014 - July 2015
Experimental research

HELLENIC ARMY | GENERAL MANAGEMENT OF SUPPLIES Cyprus, July 2012 - January 2013
IT and Financial management support

OTE A. E. | CUSTOMER SERVICE AND MARKETING Heraklion, Greece, April 2008 - March 2009
Support on fixed telephony and internet

EDUCATION

MASTER OF SCIENCE (M.Sc.) IN MICRO-OPTO ELECTRONICS University of Crete, Greece, March 2012
▪ Thesis: Spectroscopic imaging dynamics of laser induced plasma
▪ Institute of Electronic Structure and Laser (IESL), Foundation for Research and Technology Hellas (FORTH)

BACHELOR OF SCIENCE (B.Sc.) IN PHYSICS University of Crete, Greece, November 2009
▪ Thesis: Construction and characterization of a transmission grating stabilized external cavity diode laser
▪ Practical exercise
▪ Institute of Electronic Structure and Laser (IESL), Foundation for Research and Technology Hellas (FORTH)
▪ GPA: 6.92/10, ECTS: 301/240

HIGH SCHOOL DIPLOMA 1st High School of Souda, Chania, Greece, June 2003
▪ GPA: 17.9/20

ACADEMIC EXPERIENCE

TEACHING ASSISTANT

- Physics Labs I - Mechanics & Thermodynamics University of Crete, Fall 2016
- Physics Labs I - Mechanics & Thermodynamics University of Crete, Fall 2015
- Physics Labs I - Mechanics & Thermodynamics University of Crete, Fall 2014
- Physics Labs I - Mechanics & Thermodynamics University of Crete, Fall 2013
- Physics Labs III - Optics University of Crete, Spring 2010
- Physics Labs II - Electromagnetism University of Crete, Fall 2009

FUNDING

- Young Investigator Support Grant Greece (GSRT) and European Union (ESF), 2018 - 2019
- Scholarship IESL - FORTH, 2009, 2011, 2013, 2014, 2015, 2016, 2017

SKILLS

Computers

Microsoft Windows, Apple MacOS, Linux, Microsoft Office, LaTeX, Origin Pro, IGOR Pro, Matlab, Mathematica, ImageJ, Agilent Vee, Labview

Experimental research

Physics, Fast and ultrafast lasers, Optoelectronics, Optics and optical arrangements, Spectroscopy and imaging, Laser-Matter and Light-Matter interaction, Laser Induced Breakdown Spectroscopy, Optical and electrical characterization, Semiconductor structures and devices, Automated measurements and data analysis

Languages

Greek: Native

English: University of Cambridge - First Certificate, University of Michigan - Certificate of Competency