

MANTO CHOULIARA
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EDUCATION

Master of Science in Applied Physics, University of Strathclyde

*Sep 2015 – Aug 2016
United Kingdom*

Pass with Distinction

Study emphasis: Optics and Photonics

Courses: Topics in photonics, Photonics materials and devices, Topics in physics, Experimental quantum and atom optics, Research skills, Project training

Individual Master Thesis: Quantum Optics and Atomic Physics technologies

Advisor: Prof. Erling Riis, Head of Physics Department

Bachelor in Physics, National and Kapodistrian University of Athens

*Mar 2009 – Jun 2015
Greece*

Successfully examined in 40 courses and 11 laboratories, pass with Merit equivalent to Upper Second-Class Honours, 2:1

Principal Subjects: Quantum mechanics, Statistical physics, Solid state physics, Nuclear physics and elementary particles, Applied mathematics, Applied physics, Chemistry

Diploma Thesis: “Air pollution and health effects in respiratory and circulatory systems of the inhabitants of Attica for the years 2010-2013”, a research project with the collaboration of Physics and Medicine departments.

4th General High School of Glyfada

*Sep 2006 – Sep 2009
Greece*

High School Diploma, Grade 18.9/20.0

Award from the Greek Min. of Education for achieving excellence

WORK EXPERIENCE

YIOULA GLASSWORKS S.A

*Sep 2013 – June 2015
Athens, Greece*

Research Assistant

Research Project supported by the National Technical University of Athens

The specific study involved the exploitation of the energy contained in the flue gases of the furnace. The project aimed to transit the gases from a system that will preheat the incoming mixture of raw materials for glass production, and finally exit the chimney, below 250 degrees Celsius.

Sep 2010 – June 2015
Athens, Greece

Tutorial lessons

Preparing high School students in Physics and Mathematics for the national exams

Seminars

- “The mathematical concepts in the physical world of the Senses” organised by Gerostathopoulou University Observatory *April 2010*
- “Towards a theory of unity of knowledge” organised by Gerostathopoulou University Observatory *October 2011*
- “The (un)genesis of stars in the Milky Way” organised by Gerostathopoulou University Observatory *May 2013*
- “Properties of plasma ions after scattering in graphene sheets and thin sheets of amorphous carbon: Applications in space instrumentation” organised by the Department of Astrophysics, Astronomy *April 2014*

LANGUAGES AND IT SKILLS

Greek: Native

English: Certificate of Proficiency in English (ECPE), International English Testing System (IELTS) 7.5/9.0

French: Conversational Verbal and Written, Diplomas of French Language (DELF) A1-A3

Spanish: Conversational Verbal and Written

Digital competence: Sufficient use of Mac OS software and Microsoft Office packages including Word, Excel, PowerPoint and Outlook, Matlab

MEMBERSHIPS AND OTHER ACTIVITIES

- Member of protection of the rare species of Turtles Caretta–Caretta in Zakynthos with the Sea Turtle Protection Society of Greece “ARCHELON”
- Member of Greenpeace, ActionAid and Amnesty International
- Classical guitar studies for eight years, degree at Music Theory, three years of studying Harmony and Composition of Music
- Participated successfully in many Panhellenic chess tournaments

REFEREES

Prof. Erling Riis, Head of Physics Department in the University of Strathclyde
e.riis@strath.ac.uk

Prof. David Birch, Green Honors Chair in Physics, University of Strathclyde
djs.birch@strath.ac.uk