

Curriculum Vitae

Lykourgos Bougas

January 19, 2009

Personal information

First name: Lykourgos
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Nationality: Greek
Date of Birth: 25 January 1983
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EDUCATION

2000-2005: B.Sc. in Physics with specialization in Computational Physics. Department of Physics, Heraklion, Crete, Greece.

GPA: 7.02/10

B.Sc. thesis: *"Magnetic Multilayers and Scattering Matrix"*

Supervisor: Prof. Xenophon Zotos

2005-2008: M.Sc. in General Physics, Department of Physics, University of Crete, Greece, with specialization in "Condensed Matter Physics".

2008-up to date: PhD Candidate, Department of Physics, University of Crete, IESL-FORTH, Greece. Supervisor: Dr. Peter Rakitzis, Dr. Wolf von Klitzing

RESEARCH EXPERIENCE

Foundation for Research Technology-Hellas, Institute of Electronic Structure and LASER (IELS-FORTH), Heraklion, Crete, Greece.

Research assistant at Dr. Rakitzis research group in collaboration with Dr. von Klitzing from the BEC group located in IESL. Worked on theoretical simulations of a Cavity Ring Down Polarimeter and experimental realization of theoretical results on an alternative polarimetric design. Currently working on the development of a High Q Resonator, aiming in the demonstration of a novel high-sensitive polarimetric scheme.

PUBLICATIONS

- Dimitris Sofikitis, Luis Rubio-Lago, L. Bougas, Andrew J. Alexander, T. Peter Rakitzis, Laser-detection of spin-polarized hydrogen from HCl and HBr photodissociation: The effect of parent-molecule rotation J. Chem. Phys. (submitted)

AWARDS

2007-2008: **Manasaki Graduate Scholarship** for Excellence in Graduate Studies. University of Crete.

COMPUTER QUALIFICATIONS

- Unix/Linux and Windows operating systems.
- Programming in Fortran77,90, Mathematica.
- Designing projects in Autodesk Inventor.
- Microsoft Office, L^AT_EX, Gnuplot, Origin, Igor(basic knowledges)

TEACHING EXPERIENCE

- Teaching Assistant in Department of Physics, University of Crete, Greece:

PHYS-321 “Computers I” (Oct. 2003 - Jan. 2004). Organization of the exams, classes and exercises of the course.

PHYS-321 “Computers II” (Jan. 2004 - July 2004). Organization of the exams, classes and exercises of the course.

PHYS-307 “Advanced Physics Laboratory I” (Oct. 2005 - July 2006). Organization of the exams, classes and exercises of the course.

PHYS-303 “Introduction to Modern Physics II” (Feb. 2007 - July 2007). Organization of the exams, classes and exercises of the course.

- Teaching Assistant in Department of Mathematics, University of Crete, Greece:

MATH-111 “General Physics I” (Oct. 2006 - Jan. 2007). Organization of the exams, classes and exercises of the course.

LANGUAGES

Greek(native), English(fluent), Italian(basic), Spanish(basic)

OTHER INFORMATIONS

- ▷ Founding member of the University Radio Station ”U.O.C radio 96,7” at the University of Crete, Greece, broadcasting in Heraklion, Crete.