

# CURRICULUM VITAE

## ***PERSONAL INFORMATION***

**NAME** ELENI SAKELLARI  
**DATE OF BIRTH** 07-05-1975  
**NATIONALITY** GREEK  
**ADDRESS** SKOPELOU 2,  
713 06 HERAKLEION,  
CRETE, GREECE  
**TELEPHONE** (HOME) ++30 2810 231756  
(MOBILE) ++30 6947 236472  
**Email** [ira75uk@yahoo.com](mailto:ira75uk@yahoo.com)

## ***EDUCATION***

2000-2004 Ph.D., "Theoretical studies of dilute Bose-Einstein condensates in a double-well potential", University of Durham, U.K.  
1999-2000 M.Sc., Condensed Matter Physics, University of Crete  
1994-1999 B.Sc., University of Crete-Graduation in 3/1999 (rank 1<sup>st</sup>)  
1990-1993 High School, 3<sup>rd</sup> General Lykeio, Herakleion, Crete (Grade A)

## ***ACHIEVEMENTS AT UNIVERSITY/SCHOOL***

2000-2003 Scholarships from E.P.S.R.C. (Engineering and Physical Sciences Research Council) and the University of Durham  
1998-2000 Scholarships from I.K.Y. (State Scholarship Foundation) for ranking 1<sup>st</sup>, as an undergraduate student and 1<sup>st</sup> as a graduate student  
1994-1996 Scholarships from I.K.Y. (State Scholarship Foundation) for ranking 4<sup>th</sup> as an undergraduate student  
1992-1993 Graduation from High School with Grade A

## ***SUMMER SCHOOLS***

21-26 July 2002 AMO Summer School, Massachusetts Institute of Technology  
July 1998 Summer School of Advanced Physics, University of Crete  
July 1997 Summer School of Advanced Physics, University of Crete

## ***SEMINARS***

7-17 December 2004 Assistive Information and Telecommunication Technologies for people with disabilities – ICS-FORTH  
December 2002 Getting started with Java, University of Durham

**WORK EXPERIENCE**

- February 2005- Trainee web designer at ICS-FORTH. Learning technologies to build web sites ‘designed for all’ benefiting non-disabled users as well as people with disabilities. Gained experience in using DHTML (CSS) and Macromedia Dreamweaver MX.
- October 2004- Teaching Physics at high school. I prepare lecture notes and exercises and help and support students to introduce themselves to the basic laws in Physics.
- 2001-2004 Graded level 2 undergraduate homework weekly problems (Quantum Mechanics, Maths, Solid State Physics)
- June-September 2000 Sales Department at the Greek National Insurance Company. Giving customers information on products that best meet their needs.
- 1999-2000 Teaching Assistant in the Optics Labs (3<sup>rd</sup> year undergraduate studies) at the University of Crete. I provided advice, guidance and encouraged students to develop their own experimental models.

**FOREIGN LANGUAGES**

English – IELTS (International English Language Testing System). Fluent in English  
 - have lived and worked in UK for four (4) years

**IT EXPERIENCE**

- Four years experience in programming using Fortran 90, Matlab, Mathematica and Maple.
- Basic knowledge of Java.
- Fluent in the use of MS-Office (Word, Powerpoint, Excel).
- Very good knowledge of CorelDRAW, Macromedia Fireworks MX and Paint.
- WWW Publishing:
  - Homepage on the internet
  - Very good knowledge of MS-Frontpage, Macromedia Dreamweaver MX and DHTML (CSS)

**PUBLICATIONS**

- “*Tunnelling induced collapse of an atomic Bose-Einstein condensate in a double-well potential*”, E. Sakellari, N. P. Proukakis and C. S. Adams, J. Phys. B: At. Mol. Opt. Phys. **37**, 3681 (2004)
- “*Josephson tunnelling of a phase imprinted Bose-Einstein condensate in a time-dependent double-well potential*”, E. Sakellari, N. P. Proukakis, M. Leadbeater and C. S. Adams, New J. Phys. **6**, 42 (2004)
- “*Josephson spectroscopy of a dilute Bose-Einstein condensate in a double-well potential*”, E. Sakellari, M. Leadbeater, N. J. Kylstra and C. S. Adams, Phys. Rev. A **66**, 033612 (2002)

**PRESENTATIONS**

- Given presentations to both Condensed Matter and Atomic & Molecular Physics Groups at the Universities of Crete and Durham respectively
  - “*Bose-Einstein condensation in  $^7\text{Li}$* ”, University of Durham, February 2003
  - “*Superconducting Josephson Junctions*”, University of Durham, January 2002
  - “*First year Ph. D. work*”, University of Durham, May 2001
  - “ *$^4\text{He}$  : Thermodynamics*”, University of Crete, September 2000
  - “*Microscopic theory of Superconductivity-BCS theory*”, University of Crete, January 2000
  - “*Relativistic Corrections at the Hydrogen Atom*”, University of Crete, November 1999
  - “*Clusters*”, University of Crete, February 1999
- Presented posters to Conferences
  - “*Josephson spectroscopy of a dilute Bose-Einstein condensate in a double-well potential*”, at 1<sup>st</sup> UK Conference of cold atoms, (UKCAN), 17-19 September 2002, Durham, and at the 18<sup>th</sup> International Conference in Atomic Physics, (ICAP), 28 July-2 August 2002, Massachusetts Institute of Technology, US

**INTERESTS**

Numerical Analysis, programming H/Y, Internet, web design

**ACTIVITIES**

- Sport: Squash, Member of the women’s football team of Ustinov College
- Member of the German, African/Caribbean, Greek and Film Club Societies