

## Curriculum Vitae



### Personal information

First name(s) / Surname(s) **Grekas Giorgos**  
E-mail [grekas.g@gmail.com](mailto:grekas.g@gmail.com)

### Work experience

Dates 01/11/2012 – until now  
Occupation or position held Research Assistant - Scientific software developer at the Institute of Computer Science (ICS) of the Foundation for Research and Technology- Hellas (FORTH), ([www.ics.forth.gr](http://www.ics.forth.gr)).  
Main activities and responsibilities Mathematical modelling for tumor growth, software development for numerical solution of partial differential equations, using matlab, c, python.

Dates 01/01/2012 – 30/4/2012  
Occupation or position held Research Assistant on eCOMPASS project (eCO-friendly urban Multi-modal route PAnning Services for mobile uSers) at Information Technologies Institute Centre of Research & Technology – Hellas ([www.iti.gr](http://www.iti.gr) ).  
Main activities and responsibilities Studding and developing multimodal routing algorithms for a transportation network.

Dates 17/11/2010 – 17/08/2011 military service, Greek army.

### Education and training

Dates 28/05/2013 – until now  
Currents studies PhD candidate in [Applied Mathematics Department](#), University of Crete.  
Dates 17/02/2008 – 31/10/2010  
Title of qualification awarded Master of Science degree (M. Sc) (8.71/10). Thesis on '**Speaker Interpolation and Voice Conversion for Parallel Corpora**'  
Principal subjects/occupational skills covered Speech Processing – Machine Vision and robotics. Algorithms for speech signal analysis, spectral matching, speech synthesis, speech recognition, image processing.  
Name and type of organisation providing education and training [Department of Computer Science, University of Crete](#), funded from [Computer Science \(ICS\) of the Foundation of Research and Technology – Hellas \(FORTH\)](#).  
During my master degree I was a member of Networks & Telecommunications Laboratory ( 01/11/2008-31/10/2010), my supervisor was Yiannis Stylianos (Homepage: <http://www.ics.forth.gr/netlab/stylianou.html>, email: [yannis@csd.uoc.gr](mailto:yannis@csd.uoc.gr)) and of the Computational Vision and Robotics Laboratory ( 01/02/2008 – 31/10/2008) with Antonis Argyros as supervisor (Homepage: <http://www.ics.forth.gr/~argyros/>, email: [argyros@csd.uoc.gr](mailto:argyros@csd.uoc.gr)).  
Level in national or international classification ISCED-6  
Dates 10/2002 – 09/2007  
Title of qualification awarded Undergraduate Studies on Applied Mathematics (8.25/10)

Principal subjects/occupational skills covered

Numerical Methods and Software Development in Problems of:

- Numerical Analysis, numerical solution of Ordinary and Partial Differential Equations (experience with Finite difference and Finite elements method).
- Computational Geometry. Algorithmic analysis, problem algorithmic design.

Name and type of organisation providing education and training

[Department of Applied Mathematics, University of Crete.](#)

Level in national or international classification

ISCED-5

## Personal skills and competences

Mother tongue(s)

**Greek**

Other language(s)

**English**

Self-assessment

*European level (\*)*

**English**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
<b>C2</b>	<b>C2</b>	<b>C2</b>	<b>C2</b>	<b>C2</b>

(\*) [Common European Framework of Reference for Languages](#)

Computer skills and competences

- Excellent C, Matlab
- Very good C++.
- Basic knowledge of fortran, java, linux shell programming.
- Good knowledge of UNIX.
- Experience with Visual Studio 2005, developing with c++.

## Additional information

1<sup>st</sup> in graduation ceremony of my undergraduate studies, 4-2008.

Graduate assistant:

Department of Computer Science:

- Applied mathematics for Engineers (summer semester 2009-10)
- Signal Digital Processing (winter semester 2009-10)
- Applied mathematics for Engineers (summer semester 2008-09)
- Signal Digital Processing (winter semester 2008-09)
- Discrete Mathematics (summer semester 2007-08)

Department of Mathematics:

- Mathematical Analysis (winter semester 2006-07)

Department of Applied Mathematics:

- Numerical Analysis(winter semester 2005-06)
- Introduction to Numeric Algorithms(summer semester 2004-05)

## Publications

### Journal Articles

1. Tzamali E, Grekas G, Marias K, Sakkalis V (2014) Exploring the Competition between Proliferative and Invasive Cancer Phenotypes in a Continuous Spatial Model. PLoS ONE 9(8): e103191. doi:10.1371/journal.pone.0103191

### Papers in Proceedings

1. Tzamali, E., Favicchio, R., Roniotis, A., Tzedakis, G., Grekas, G., Ripoll, J., Marias, K., Zacharakis, G., & Sakkalis, V. (2013). Employing in-vivo Molecular Imaging in Simulating and Validating Tumor Growth. *35th IEEE-EMBS, Engineering in Medicine and Biology Society (EMBC 2013)*.
2. Tzedakis, G., Grekas, G., Tzamali, E., Marias, K., Sakkalis, V. The importance of grid size and boundary conditions in discrete tumour growth modeling. 6th International Advanced Research Workshop on In Silico Oncology and Cancer Investigation, Athens, Greece, November 3-4, 2014.