# Pantelis Z. Hadjipantelis

Cavendish House

Cambridge Business Park

Cambridge CB4 0HH, UK

Mobile: (+44) 07964013882

Email: hadjipantelis@ieee.org

Homepage: http://go.warwick.ac.uk/hadjipantelis

## Current Position

Support Application Engineer at MathWorks, Engineering Development Group

## Education

PhD in Statistics and Complexity Science, Warwick University, December 2013
*Thesis Topic:* Functional Data Analysis in Phonetics

*Thesis Advisers:* John A.D. Aston (Warwick University), Jonathan P. Evans (Academia Sinica)

MSc with Distinction in Complexity Science, Warwick University, October 2010
*Mini-Project 1 Subject:* Intra-daily dynamics of dollar-sterling exchange market

*Mini-Project 2 Subject:* Characterizing fundamental frequency in Mandarin : A functional principal
component approach utilizing mixed effect models

MSc Bioinformatics, King's College London, UK, October 2008
*Thesis Subject:* Complexity Analysis of the Human Genome

4-year BSc Digital Systems, University of Piraeus, Greece, February 2007
*Major:* Informatics *Minor:* Education. *(Poster presented & Talk) Honours: 7.46/10.0*

*Thesis Subject:* A Technometric Analysis of the Energy Intensity in Greek Economy

## Publications

Journal Papers
**PZ Hadjipantelis**, JAD Aston and JP Evans. Characterizing fundamental frequency in Mandarin: A
functional principal component approach utilizing mixed effect models (2012), *Journal of the Acoustical
Society of America*, 131:4651-4664

**PZ Hadjipantelis**, NS Jones, J Moriarty, DA Springate and CG Knight. Function-Valued Traits in
Evolution (2013), *Journal of the Royal Society Interface*, 10 (82)

**PZ Hadjipantelis**, JAD Aston, J Moriarty and HG Müller. Statistical Inference in the Neural Spike
Train Space using Functional Linear Mixed-effects Models, *Electronic Journal of Statistics,(Accepted)*

Papers in preparation
**PZ Hadjipantelis**, JAD Aston, JP Evans and HG Müller. Unifying Amplitude and Phase Analysis:
A Functional Multivariate Mixed-effects Approach

Professional Papers
J Paravantis, N Lalehos, **PZ Hadjipantelis** et al. State Research Report for Environmental Impact of
the Lakka Marina in the island of Paxoi (2009) 4050/28.12.04, Greece

## Computing Skills

Programming Languages : C/C++ (OpenMP, MPI)

Scripting Languages : Python, PHP

Computational Environments : MATLAB, R

## Academic Experience

University of Warwick, Warwick Business School

Postgraduate Tutorials : "*C++ Modelling in Asset Pricing*" *Module Leader:* Oleg Kozlovski (Department of Mathematics), Oct 2012–March 2013.

University of Manchester, School of Mathematics
PhD Internship: "*Phylogenetic analysis of distributions: Gaussian Process Regression on Phylogenies*" *Advisers:* John Moriarty (School of Mathematics), Christopher Knight (Faculty of Life Sciences), Jan 2012-Aug 2012.

University of Piraeus, Department of International and European Studies
Undergraduate Guest Seminar : "*Introduction to R, Project for Statistical Computing*", May 2009.

Research Assistant, John Paravantis (Dept. of International & European Studies), Jan 2009-June 2009.

External Examiner, "*International Technology Networks*", Jan 2013.

## Professional Memberships

Member, IEEE (Computational Intelligence Society). 2003–Present.
Vice-President in University of Piraeus Student Branch 2003-2006

Member, EPE. (Enosi Pliroforikon Elladas - Greek Informaticians Union) 2007-Present

## Conferences and Workshops Attended (Recent)

Joint Statistical Meeting - American Statistical Association
Montréal, Québec, Canada, August 2013, *(Talk)*

CTW: Statistics of Time Warpings and Phase Variations workshop
Columbus, OH, USA, November 2012. *(Poster presented & Talk)*

High dimensional and dependent functional data research workshop
Bristol, UK, September 2012. *(Poster presented)*

International Summer School in Language and Speech Technologies
Tarragona, Spain, August 2012.

INRIA Visual Recognition and Machine Learning Summer School
INRIA Rhone-Alpes, Grenoble, France, July 2012.

AOOD (Analysis of Object Data) Meets Evolutionary Biology,
SAMSI (Statistical and Applied Mathematical Sciences Institute), NC, USA, May 2011. *(Poster presented)*

## Honours, Awards, & Fellowships

Warwick Postgraduate Research Scholarship , Univ. of Warwick 2011-2013

Departmental Bursary, Centre for Complexity Science , Univ. of Warwick 2010

EPSRC EU student Scholarship 2007 & 2009-Present

Leventis Foundation Scholarship 2007 & 2009

## Miscellaneous

Member of Student Staff Liaison Committee, Complexity Science DTC, Univ. of Warwick, 2009-Present

Student Member of the IT Committee, Department of Statistics, Univ. of Warwick, 2010-Present

Languages
Greek (Native proficiency)

English, Proficiency in English, University of Michigan (Full professional proficiency)

German, Zertifikat Deutsch, Goethe-Institut Athen (Limited working proficiency)

References available upon request