Andreas - Antonios Kardamakis

PERSONAL INFORMATION	Kalamaki 226, Kato Galatas	*Citizenship:* Hellenic / United States
	Chania-73100, Crete, Greece	*Date of Birth:* Sept. 14, 1980
	Email: kardamak@edu.med.uoc.gr	*Place of Birth:* Los Angeles, California
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EDUCATION

University of Crete, Greece (2004-2009)
PhD in the Brain and Mind Sciences, Highest honours
Advisor: Professor Adonis K. Moschovakis
MSc in the Brain and Mind Sciences

University of Manchester, United Kingdom (1999-2003)
MEng in Mechanical Engineering with European Studies, First Class with Honours

University of Southern California, United States (1998-1999)
Completed the first year of studies at the School of Engineering

RESEARCH & ACADEMIC EXPERIENCE

Technical University of Crete, Greece (2004 - 2009)
Research Associate
Statistical Data Analyst in the field of Chemometrics. Supported by the Government in accordance to academic position PD 407/80 and through European funding agencies.

University of Maryland University College, *European Division* (2007 - present)
Adjunct faculty member
Qualified to teach elementary mathematics and statistics courses *on demand*.

University of Crete, Greece (2005-2008)
Doctorate trainee at the Laboratory of Neurophysiology of the Medical School
PhD Title: Principles of Eye-Head Motor Coordination
Advisor: Professor Adonis Moschovakis

Foundation of Research and Technology Hellas, Crete, Greece (2004-2005)
Research Trainee at the Computational Vision and Robotics Laboratory
Theme: Simulation of sensory-guided flight control of flying agents.
Advisor: Dr. Dimitri Tsakiris

University of Manchester, United Kingdom (2002-2003)
Research Trainee at the Laboratory of Dynamics and Aeroelasticity, School of Engineering
Theme: Theoretical prediction of human-structure dynamic interaction.
Advisor: Professor Jan Wright

Universita degli studi di Trieste, Italy (2001-2002)
Research Trainee at the Department of Energetica of the Scuola di Ingegneria
Theme: Space flight optimisation using Multi-Objective Genetic Algorithms.
Advisor: Dr. Carlo Poloni

Paul Scherrer Institute (PSI), Switzerland (Summer of 2001)
Research Trainee at the Department of Nuclear Engineering
Theme: Computational fluid dynamics modelling of nuclear reactor pressure vessel.
Advisor: Dr. Michele Andreani

AWARDS & SCHOLARSHIPS	Postgraduate Scholarship PENED (03ED803) from the Greek Secretariat of Research and Technology (2005-2008) Best student, Institution of Mechanical Engineers, UK (2003) Best project, Institution of Mechanical Engineers, UK (2003) Best performance, Fairburn prize, UK (2003)
JOURNAL ARTICLES	**Theoretical Neuroscience** **A.A Kardamakis**, A. Grantyn and A.K. Moschovakis, Neural network simulations of the primate oculomotor system. V. Eye-head gaze shifts. *Biological Cybernetics* 2010, 102; 209-225. **A.A Kardamakis** and A.K. Moschovakis, Optimal control of gaze shifts. *Journal of Neuroscience* 2009, 29(24); 7723-30. **A.A Kardamakis** and A.K. Moschovakis, Implications of interrupted eye-head gaze shifts for resettable integrator reset, *Brain Research Bulletin* 2006, 70; 171-178. **Chemometrics and Statistical Data Analysis** **A.A. Kardamakis** and N. Pasadakis, Autoregressive modeling of near-IR spectra and MLR to predict RON values of gasolines, *Fuel* 2010, 89; 158-161. N. Pasadakis, **A.A Kardamakis**, P. Sfakianaki, Classification of gasoline grades using compositional data and Expectation-Maximization algorithm, *Energy and Fuels* 2007, 21; 3406-3409. **A.A. Kardamakis**, A. Mouchtaris and N. Pasadakis, Linear predictive spectral coding and independent component analysis with application to fingerprinting gasoline constituents using infrared spectroscopy, *Journal of Chemometrics and Intelligent Laboratory Systems* 2007, 89; 51-58. N. Pasadakis and **A.A. Kardamakis**, Identifying constituents in commercial gasoline using Fourier transform - Infrared Spectroscopy and Independent Component Analysis, *Journal of Analytica Chimica Acta* 2006, 578(2); 250-255.
CONFERENCE POSTERS/TALKS	Society for Neuroscience (2008), Poster Computational and Systems Neuroscience (2008), Poster Int'l Workshop on Advances in Pattern Recognition (2007), Poster Int'l Conf. for Computational Methods in Science and Engineering (2006), Talk First Cretan Bioinformatics Forum (2006), Talk Int'l Conf. on Organic Geochemistry (2005), Poster
MEMBERSHIPS	Member of the Hellenic Chambers of Engineers Associate Member of the Institute of Mechanical Engineers, UK