Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**George Prodromidis**
Office Address	G. Seferi 2, 30100, Agrinio, Greece
Home Address (1)	Mixalakea & Panaitolikou, 30100, Agrinio, Greece
Home Address (2)	Karaiskaki 15, Ag. Paraskevi, 15341, Athens, Greece
Telephone(s)	Mobile: +30 6942707674 Home: +30 26410 26799
Fax(es)	-
E-mail	g_prodromidis@yahoo.gr, gprodrom@cc.uoi.gr
Nationality	Greek
Date of birth	23/07/1983
Gender	m

Work experience

Dates, Occupation or position held	**2009-today, Ph.D. student**
Main activities and responsibilities	Subsidiary work on courses like Linear Algebra, Differential equations and FORTRAN programming.
Name and address of employer	Department of Environmental and Natural Resources Management, University of Ioannina, Greece.
Dates, Occupation or position held	**2008-2009, MSc student**
Main activities and responsibilities	Private Tutor teaching Physics and Mathematics to university students.
Name and address of employer	-
Dates, Occupation or position held	**2007-2009, MSc student**
Main activities and responsibilities	Subsidiary work as a supervisor in the nuclear physics laboratory at the University of Patras.
Name and address of employer	Department of Physics, University of Patras, Greece.

Education and training

Dates, Title of qualification awarded	**2009-today, Doctor of Philosophy degree**
Principal subjects/occupational skills covered	"Mathematical Simulation and Optimization on the operation of an Autonomous Hybrid System, with zero emissions, which uses energy from Renewable Sources"
Name and type of organisation providing education and training	University of Ioannina. Department of Environmental and Natural Resources Management.
Dates, Title of qualification awarded	**2007-2009, Master of Science degree**
Principal subjects/occupational skills covered	Applied Physics. (Equivalent grade 1). Core modules: Applied Mathematics, Quantum mechanics in proficient level, Electrodynamics in proficient level, Statistical physics, Atomics & molecular physics, Pneumatics, Conduction of heat in solid, gas and fluid, Applications on solar radiation (f-chart), Experimental study on solids.
Name and type of organisation providing education and training	University of Patras. Department of Physics. Lab of Renewable Energy Sources.

Dates, Title of qualification awarded	**2001-2007, Bachelor degree on Physics**
Principal subjects/occupational skills covered	Applied Physics pathway (Equivalent grade 2.1). I have successfully completed courses in Programming (Fortran 90, Algorithms), Basic Electronics, Digital Electronics, Lazer (theoretically and experimentally), Theory of Signals and Circuits, Field's Theory. <u>Core modules:</u> Quantum mechanics, Electromagnetism, Nuclear physics, Relativity theories, Mathematics Fundamentals, Differential Equations, Partial Differential Equations, Complex Analysis, Calculus and Analysis, Linear Algebra, Analytical Geometry, Series and Integrals, Probability theory Mechanics, Electrons in solids, Thermodynamics, Statistical physics, Physics Fundamentals.
Name and type of organisation providing education and training	University of Patras. Department of Physics. Lab of Atmospheric Physics.
Dates, Title of qualification awarded	**1998-2001, Certificate of High School studies**
Occupational skills covered	Selective Courses/Grades: Mathematics: 19.4/20 Physics: 18.9/20 Computer and Information Technologies: 19.4/20
Name and type of organisation providing education and training	Ag. Paraskevi's General Lyceum, Athens, Greece

Personal skills and competences

Mother tongue(s)　　**Greek**

Other language(s)

Self-assessment

European level (*)

	Understanding			Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production		
English	C2	Proficient User	C2	Proficient User	C2	Proficient User	C2	Proficient User	C2	Proficient User
French	B1	Independent User	B1	Independent User	B1	Independent User	B1	Independent User	B1	Independent User

(*) Common European Framework of Reference for Languages

Computing skills

Mathematical software	Excellent knowledge on Matlab and Mathematica.
Other Technologies and Engineering Practices	Excellent knowledge on Microsoft Office 2003 & 2007, Fortran90/95 Excellent knowledge on HOMER simulation software tool.
Other Skills	Excellent Mathematical Knowledge Good analytical ability Ability to work as part of a team Hold a driving license

Dissertation - Thesis

Dates, Title of qualification awarded	**2009-today, Ph.D. Dissertation**
Occupational skills covered	"Mathematical Simulation and Optimization on the operation of an Autonomous Hybrid System, with zero emissions, which uses energy from Renewable Sources".
Name and type of organisation providing education and training	University of Ioannina. Department of Environmental and Natural Resources Management.
Dates, Title of qualification awarded	**2009, Thesis for the Master of Science degree**
Occupational skills covered	"Performance of the photovoltaic modules and systems under conditions of low irradiance and partial shading", 12500 words.
Name and type of organisation providing education and training	University of Patras. Department of Physics. Lab of Renewable Energy Sources.
Dates, Title of qualification awarded	**2007, Thesis for the bachelor degree**
Occupational skills covered	"Study on time series rainfalls", 12000 words.

Name and type of organisation providing education and training	University of Patras. Department of Physics. Lab of Atmospheric Physics.

Publications

International Journals

- G.N. Prodromidis & F.A. Coutelieris (2010), Simulation and Optimization of a Stand-Alone Power Plant based on Renewable Energy Sources, International Journal of Hydrogen Energy, Vol. 35, pp. 10599-10603.

- G.N. Prodromidis & F.A. Coutelieris (2011), A comparative feasibility study of stand-alone and grid connected RES-based systems in several Greek Islands, Renewable Energy, Vol. 36, pp. 1957-1963.

- G.N. Prodromidis & F.A. Coutelieris (2011), The Energetic and Economical Feasibility of Hybrid Energy Storage Systems based on Flywheels, Journal of Power Sources, in Press.

Conferences

- 4th National Conference (Renes 2010), THE APPLICATION OF RENEWABLE ENERGY SOURCES: to an Ambitious and Reliable National Action Programm, Greece, Athens, (**Oral Presentation**).

General Information

During Master of Science degree	For the finalization of the Master degree thesis a mobile unit was established (in an experimental level) for the observation of a photovoltaic module (Data logger, thermocouples, batteries, PV tracker). The whole arrangement took place at University of Patras and is made by the researcher.
During Doctor of Philosophy degree	In the framework of Ph.D. thesis the establishment of a small scale hybrid autonomous system (PV, Wind Turbine, Batteries and variable load) is finalized for the study and the verification of the theoretical results, which have been published during Ph.D. study.