

Curriculum Vitae

NAME: George

SURNAME: Kyriakarakos

ADDRESS: Pythagora 3, 15343, Ag. Paraskevi, Greece

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YEAR OF BIRTH: 1979

EDUCATION:

2006- PhD. Candidate

UNIVERSITY: Agricultural University of Athens

DEPARTMENT: Natural Resources and Agricultural Engineering

Topic: "Polygeneration of electricity, hydrogen and fresh water through desalination from hybrid renewable energy systems"

2004-2006 MSc in Energy Systems and Renewable Energy Sources

UNIVERSITY: Agricultural University of Athens

DEPARTMENT: Natural Resources and Agricultural Engineering

1997-2004 Diploma in Agricultural Engineering

UNIVERSITY: Agricultural University of Athens

DEPARTMENT: Natural Resources and Agricultural Engineering

1994-1997 High School: Pierce College, American College of Greece

SCHOLARSHIPS:

2004- Scholarship awarded by the Greek Foundation of State Scholarship in the field of "Applied technologies of renewable energy sources in Agriculture"

FOREIGN LANGUAGES:

-English, Fluent (*Cambridge Proficiency in English*)

-German, Very good knowledge (*Zentrale Mittelstufenprüfung, Goethe Institut*)

-Spanish, Very good knowledge (*Diploma Básico de Español como Lengua Extranjera, Universidad de Salamanca; Certificado de Español como Lengua Extranjera-Nivel Avanzado, Instituto Cervantes*)

INFORMATICS KNOWLEDGE:

Excellent knowledge of the TRNSYS software package

Very good knowledge of the Statistica Neural Networks software

Very good knowledge of the Labview software package

Good knowledge of the fluid mechanics simulation software package FLUENT

Excellent knowledge of the HOMER software

Excellent knowledge of Computer Hardware

Excellent knowledge of MS Windows, MS Word, MS Excel, MS PowerPoint, MS Publisher, MS Project, MS Frontpage

Very good knowledge of Linux distributions (SuSe, Fedora)

Excellent knowledge of audio and video processing software packages

PROGRAMMING LANGUAGES:

Excellent knowledge of Fortran
Very good knowledge of HTML

PUBLICATIONS:

- 2010 "Polygeneration Smartgrids: A Solution for the Supply of Electricity, potable Water and Hydrogen as Fuel for Transportation in Remote Areas", 5th European PV-Hybrid and Mini-Grid Conference. 29 -30 April 2010 in Tarragona, Spain
- 2009 "A pilot polygeneration microgrid for covering the needs of remote regions in electricity, potable water and fuel", Smartgrids & Mobility Conference, Germany
- 2008 "A Pilot Microgrid that Uses Potable Water and Hydrogen Both as End-User Products and Medium to Long Term Energy Storage" 6th MedPower Conference, Greece
- 2008 "Experimental operation and evaluation of a hybrid renewable energy polygeneration microgrid", RE 2008, Korea
- 2008 "Experimental Operation of a hybrid renewable energy polygeneration system", AgEng2008, Greece
- 2008 "Realization and testing of a Hybrid Renewable Energy Polygeneration system", 4th PV Hybrid and Minigrid Conference, Greece
- 2006 "Creation of a multi criteria environmental economic model to assist the design of autonomous renewable energy polygeneration systems", Great Wall Renewable Energy Forum, China
- 2006 "Creation Of A Software Design Model And Realization Of A Hybrid Renewable Energy Polygeneration System", Renewable Energy 2006 conference, Japan
- 2006 "Renewable Energy Polygeneration Systems: A Viable Solution For The Desert Regions", Global Conference on Renewable Energy Approaches for Desert Regions, Jordan
- 2006 MSc Thesis: "Technical and Economical study of the application of hydrogen subsystems in renewable energy systems"
- 2005 "Technical and economic study on the replacement feasibility of diesel generators or minimization of batteries with a hydrogen subsystem in autonomous renewable energy systems", 2nd European Hydrogen Energy Conference, Spain
- 2005 "Possibilities of using hydrogen as means of seasonal storage in autonomous renewable energy systems", 4th Pan-Hellenic conference of Agricultural Engineering, Greece
- 2005 "Technical analysis and comparison of two photovoltaic pumping systems through mathematical and physical simulation" 4th Pan-Hellenic conference of Agricultural Engineering, Greece
- 2005 "Development and experimental testing of a simple model for the prediction of the protection offered by windbreaks", 4th Pan-Hellenic conference of Agricultural Engineering, Greece
- 2005 "Study through simulation of the possibilities of using hydrogen as a seasonal storage replacing large battery banks", 1st National Conference on alternative fuels, Greece
- 2005 Study on "Solar Cooling"
- 2005 Study on "Ice slurry"
- 2003 Diploma thesis: "Technical study and comparison of two photovoltaic pumping systems through simulation"
- 2002 Study on "Thermal transfer fluids"
- 2001 Study on "The indirect gains of the use of passive solar system in the design of buildings"

CONFERENCES-SEMINARS:

- 2010 "5th European PV-Hybrid and Mini-Grid Conference", Spain
- 2009 "Smartgrids and Mobility Conference", Germany
- 2008 "6th MedPower Conference, Greece
- 2008 "RE2008", Korea
- 2008 "AgEng2008", Greece
- 2008 "2008 Kythnos Symposium on Microgrids", Greece

- 2008 "4th PV Hybrid and Minigrid Conference", Greece
- 2007 Seminar titled "Power Electronics for Renewable Energy Sources", Germany
- 2006 "Great Wall Renewable Energy Forum", China
- 2006 "Renewable Energy 2006 conferece", Japan
- 2006 "Global Conference on Renewable Energy Approaches for Desert Regions", Jordan
- 2006 "21st PV in Europe Conference", Germany
- 2006 "3rd PV hybrid and Minigrid Conference", France
- 2005 "2nd European Hydrogen Energy Conference", Spain
- 2005 "4th Pan-Hellenic conference of Agricultural Engineering", Greece
- 2005 "20th PV in Europe Conference", Spain
- 2005 "3rd National Conference for the Application of Renewable Energy Sources", Greece
- 2005 "1st National Conference on alternative fuels", Greece
- 2004 "1st National Conference on hydrogen technologies", Greece
- 2003 "3rd Pan-Hellenic conference of Agricultural Engineering", Greece
- 2002 "7th National Conference of the Solar Energy Institute for the Renewable Energy Sources", Greece

WORK EXPERIENCE:

- 2006-10 Research work in the EU project "Hybrid renewable energy systems for supplying services in rural settlements of Mediterranean partner countries"
- 2006-09 Research work in the international cooperation project "Development of a renewable energy polygeneration system to produce electricity, drinkable water and hydrogen"
- 2006 Research work in the EU project "Autonomous Desalination system concepts for seawater and brackish water In Rural Areas with renewable energies – Potential, Technologies, Field Experience, Socio-technical and Socio-economic impacts"
- 2005-08 Research work in the international cooperation project "Improvement of organic solar Rankine RO system performance by in depth investigation and assessment of physical and technical parameters strongly affect on"
- 2005 Writing of lecture notes for the undergraduate subject of "Renewable Energy Sources"
- 2005 Research work in the EU project "Policy Initiative to Overcome Water Competition between the Vital Economic Sectors of Agriculture and Tourism in the Mediterranean"
- 2005 Member of the organizing committee of the 4th Pan-Hellenic conference of Agricultural Engineering
- 2003-06 Research work in the EU project "PV Enlargement"
- 2003-05 Research work in the EU SAVE II- Project "5E in Universities"
- 2002 Organization and teaching of informatics seminars (MS Windows, MS Word, MS Excel, MS PowerPoint, Internet)
- 2001 Two month work practice at the Agricultural Engineering laboratory of the Agricultural University of Athens
- 2000 Research work in the EU project "Pumping water with photovoltaics"
- 2000 Two month work practice at the Institute of Agricultural Machinery and Structures
- 1998-04 Part time IT technician

PERSONAL INTERESTS:

Cinema, Literature, Travelling, Sports

References at your disposal.