

PERSONAL DETAILS

ID 1020548
Date of birth 20 / 12 / 1988
Home address 18 Pithagora street, Dali
Nicosia, Cyprus
Phone numbers Home: (00357)22494990 Mobile: (00357)99975205/(0030)6998212125
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EDUCATION**University Education:**

2016-present
Ph.D in Electrical Engineering
University of Cyprus
Department of Electrical and Computer Engineering

2013-2015
M.Sc in Electrical Engineering
University of Cyprus
Department of Electrical and Computer Engineering
Grade:9,5/10

2008 – 2013 (5 year undergraduate course/300ECTS/master equivalence)
National Technical University of Athens
Athens, Greece
School of Electrical and Computer Engineering
Engineering Diploma in Electrical and Computer Engineering
Specializations of study: Electric Energy Systems, Electric Machines, High Voltage Systems
Grade:7,94/10

National Defense Army:

July 2006 – August 2008
Crete and Cyprus
Grade: Second lieutenant

Secondary Education:

2003-2006 Apostolos Varnavas Lyceum
Nicosia, Cyprus
Grade: 19,75/20 (Excellent)

2000-2003 Stavros Gymnasium
Nicosia, Cyprus
Grade: A (Excellent)

Projects- Participations

2014 Project-Lightning Protection Systems for Solar applications.
2014 i-bank Innovation & Technology Competition.
2013 Diploma thesis-Autonomus mobile robot that is capable of self recharging(design-implementation).

Awards	<p>2013 Commendation award "Grigoris Farakos" (n.t.u.a/school of Electrical and Computer Engineering)</p> <p>2008-2012 Annual Scholarship (Cyprus State Scholarship Foundation)</p> <p>2006 Commendation award (20th Olympics of Physics – Cyprus Science Society)</p> <p>2005 - 2006 Apostolos Varnavas Lyceum distinction award</p> <p>2006 Commendation award (19th Olympics of Physics – Cyprus Science Society)</p>
Computer Skills	<p>Microsoft Office – Excellent</p> <p>C++,MatLab, Fortran, Pascal,Visual Basic –Excellent</p> <p>Excellent typing skills</p>
Languages	<p>Greek: Excellent written and orally (native)</p> <p>English: Very good written and orally</p>
Research Experience	<p>Research assistant in "power system modelling laboratory" at University of Cyprus.</p> <p>Research assistant in Department of networking at EAC.</p> <p>Lightning protection solutions for solar applications. Project in cooperation with EAC about the protection of photovoltaic applications against lightning and overvoltages.</p> <p>Lighting technology. Photometric Method for calculation of light intensity distribution, illuminance, light uniformity, reflection e.t.c. Projects/simulations using lighting design software Relux.</p> <p>Diploma thesis on autonomus robots. Robot implematation, microcontroller programming (arduino), Impedance-Sensing Circuit Techniques, artificial potential field methods.</p> <p>Generation of High Voltages-Measurements and Applications of High Voltages. Electric field calculation of high voltage appliances. Dielectric tests of high voltage circuits components under AC, DC and impulse voltages. Partial discharges measurements. Validation and verification of quality of instruments and apparatus using standards.</p>
Publications	<p><i>A. Demetriou D.Buxton and C.A. Charalambous, "Stray Current DC Corrosion Blind Spots Inherent to Large PV Systems Fault Detection Mechanisms: Elaboration of a Novel Concept" IEEE Transactions on Power Delivery (Accepted March 2016).</i></p> <p><i>A. Demetriou and C.A. Charalambous, "Technical Guide for Lightning and Surge Protection in small Photovoltaic installations on roofs of domestic structures" Publisher: Electricity Authority of Cyprus, ISBN Pending, March 2015 (in Greek).</i></p> <p><i>A. Demetriou and C.A. Charalambous, "Technical Guide for Lightning and Surge Protection in large-scale field Photovoltaic installations" Publisher: Electricity Authority of Cyprus, ISBN Pending, March 2015 (in Greek).</i></p> <p><i>C.A. Charalambous, A. Demetriou and N. Kokkinos, "Impact of PV Oriented DC Stray Current Corrosion on Large Scale Solar Farms' Grounding and Third-Party Infrastructure: Modelling and Assessment", Special Issue on Grounding Systems, IEEE Transactions on Industry Applications vol. 51, no. 6, pp. 5421-5430, Nov.-Dec. 2015.</i></p>
Interests	<p>Sports, Travelling, Reading, Music</p>

