

CONSTANTINOS S. PSOMOPOULOS
Assistant Professor T.E.I. Piraeus



1. PERSONAL INFORMATION

Name CONSTANTINOS S. PSOMOPOULOS
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Marital Status Married, 1 child
Nationality Hellenic
Date of birth 16/ 07/1973

2. EDUCATION AND TRAINING

- 1998-2002 National Technical University of Athens, School of Electrical and Computer Engineering
Ph.D. on Electrical and Computer Engineering
- 1992-1997 National Technical University of Athens, School of Electrical and Computer Engineering
Diploma on Electrical and Computer Engineering

3. WORK EXPERIENCE

•4/10/2007-today	TEI of Piraeus - Electrical Engineering Department Assistant Professor <ul style="list-style-type: none"> - Courses: Electric Power Systems I (Power Generation and Energy Economics) High Voltage Engineering Special Issues in High Voltage Engineering High Voltage Laboratory Electric Measurements - Head of High Voltage Laboratory - Head of the Electric Power Division of the Electrical Engineering Department - Member of Electrical Engineering Department Council - Head of environmental and recycling policies of Electrical Engineering Department
• 05/2007-2009	NRG-Orion-Thomas Matopoulos SA (Energy saving & Photovoltaic's) Consultant in issues regarding <ul style="list-style-type: none"> - Design, construct and installation of customized electrical – electronic components for Energy Saving Systems in industry - Overvoltage protection systems for photovoltaic parks - Earthing systems
• 2003-2007	EPTA Ltd (Environmental Engineers – Consultants) Electromechanical Installations - Energy Consultant <ul style="list-style-type: none"> - Electromechanical Works - Energy management and efficiency systems, EcoDesign - Solid and Liquid Wastes Management - Energy and materials recovery from wastes
• 2003-2006	Thyssen Krupp Marine Systems, Hellenic Shipyards Co Skaramanga Yard Electrical Engineer <ul style="list-style-type: none"> - Electrical Maintenance Department

	- Yard Operations, Infrastructure Projects
• 2001-2003	National Technical University of Athens, School of Electrical and Computer Engineering Researcher, Development Program of the Electrical and Computer Engineering School-Division of Industrial Electric Devices and Decision Systems: a) Development of a Tool for Digital Measurements, Software Development, Test and Measurement Processes, Measurements System's Accuracy Verification. b) Technical and Administrative Support of the Development Program
• 2001-2002	NRG-ORION Ltd. Technical Manager in South Greece, Activities: Design, construct and installation of customized electrical – electronic components for Energy Saving Systems in industry.
• 2000-2002	P.C. Insula Trade Ltd Technical Department Activities: Design of special or customized electrotechnical components.
• 1997-2007	Electrical & Computers Engineer, Consultant Participation in the Design and/or supervision in a significant number of Electromechanical, Environmental and Energy projects. Major Projects : <ul style="list-style-type: none"> - 5,1mw Wind Park in Evia Island - Military Campus and Solid Waste Landfills Installations in Samos Island - N. Epidavros Sewage Treatment Plant - Purnari II Hydroelectric Power Plant - FGD Plant at Megalopolis III Power Station - Energy Audits in Public Buildings of N. Penteli and Egaleo Municipalities. - Energy Audits and Electricity Consumption Reduction Measures in Industrial Processes : Implementation in Mouzakis S.A. (Textiles Industry), Gioula S.A. Greek Glass Industry. - Energy Audits and detailed Engineering for Reduction of the Energy Consumption in Public Buildings at municipalities of Ag. Varvara, Kamatero and Petroupoli. - Construction of Solid Waste Mechanical Biological Treatment Plant at A. Liosa Area - Electromechanical Works for the Laser and Nuclear Physics Laboratory of The Physics Building in NTUA Campus - Rehabilitation of the Solid Waste Deposit Areas In Manolada & N. Manolada Municipals, in Samos Island and Nafpaktos Area. - Design Oof Municipal Solid Waste Management Infrastructure in Mykonos, Kos, Ios, Syros, Xios and Kythnos islands. - Construction Design of Municipal Solid Waste Management Infrastructure in Samos, Mykonos, Zakynthos and Alonissos islands - Consultant For The Construction of Municipal Solid Waste Management Infrastructure in Astypalaia Island - Design Of Municipal Solid Waste Management Infrastructure in Volos Area - Design Of Waste Water Treatment Plant Upgrade in Mykonos Island - Design of Municipal Solid Waste Transfer Station for the City of Athens and Attica Region. - A significant number of Electromechanical Projects (Design and/or Construction) in the Field of Environmental Protection, Waste Water Management Infrastructures, Energy Savings and CO2 Emissions Reduction, etc.

4. PARTICIPATION IN RESEARCH PROJECTS

- 4.1. EPEAEK 94-99 part 2.1.c. "Recreation of the education programs of the preliminary professional training" Organization of Professional Education and Training. Training Guide of the Specialty : Electrical Technician of Electrical Installations, of O.P.E.T. as a professional (manager P.D. Bourkas Prof. NTUA)
- 4.2. PENED 61/0972/ program entitled : "Development of new methods for the evaluation of molecules with antioxidise properties", with program manager the Prof. of the University of Ioannina Mr. D. Galari and manager for the NTUA the Prof. N.J. Theodorou.
- 4.3. Development Industrial Research (PABE) 99BE415 entitled : "Estimation of the lifetime of the distribution network transformers of the Public Power Corporation" with program manager P.D. Bourkas Prof. NTUA and manager form the P.P.C. Dr. P. Raitsios.
- 4.4. "Dissemination of Energy Efficiency Measures in the Public Buildings Sector, Intelligent Energy Europe, 2005-2007
- 4.5. "Climate Alliance for Mediterranean Cities –MedClima", LIFE-Environment Project, 2002-2005
- 4.6. "EMAS and Information Technology in Hospitals" – e-HospitalEMAS, LIFE - Environment Project

- 4.7. Study for preparing the first Working Plan of the EcoDesign Directive, ENTR/06/026". Service Contract for EU/DG ENTR.
- 4.8. Expert in the project SEELight, (South-East European Lambda Network Facility for Research and Education), HIPERB, MFA, 2009-2010.
- 4.9. Expert in EU Legislation Directive 96/57/EC και EcoDesign Directive 2005/32/EC in the Project : "Technical Assistance to Ukrainian Quality Infrastructure in Ukraine - EuropeAid/126112/C/SER/UA/8 "

5. PUBLICATIONS

5.1. Published Papers as Invited Book chapters

- 5.1.1. C.S. Psomopoulos, C.G. Karagiannopoulos, Chapter 8 : Arcing and Fusion Process of Exploding Wires in Industrial Applications, in "Electric Power Research Trends", Nova Science Publishers Inc., Editor M.C. Schmidt, New York 2007, ISBN-13:978-1-60021-978-8.
- 5.1.2. C.S. Psomopoulos, Chapter 6 : Can Waste-to-Energy of as-received or Pre-Processed (RDF/SRF) Municipal Solid Wastes Support the Electricity Generation Sector? EU Experience and a Case Study with Two Different Senarios for Greece, in "Waste Management: Research Advances to Convert Waste to Wealth", Nova Science Publishers Inc., Editor A. K. Haghi, New York 2010, ISBN: 978-1-61668-414-3.

5.2. Published Papers in Scientific Journal

- 5.2.1. C.G. Karagiannopoulos, D.P. Agoris, C.S. Psomopoulos, P.D. Bourkas: Potential measurements on electric contacts. An experimental investigation, Measurement, Journal of the International Measurement Confederation, Vol. 27 (1), 2000, 61-69.
- 5.2.2. D.P. Agoris, C.G. Karagiannopoulos, P.D. Bourkas, C.S. Psomopoulos: Aging effects on solid insulators concerning the form of the stressing pulse, IASTED, International Journal of Power & Energy Systems, Vol.20 (2), 2000, 86-90.
- 5.2.3. P.D. Bourkas, C.G. Karagiannopoulos, D.P. Agoris, C.S. Psomopoulos: The effective capacitance of a solid-liquid dielectric combination under high impulse voltages application, IASTED, International Journal of Power & Energy Systems, Vol. 27 (3), 2000, 113-118.
- 5.2.4. C.G. Karagiannopoulos, C.S. Psomopoulos, P.D. Bourkas: A Theoretic and Experimental Investigation in Stationary Electric Contacts, Inst. of Phys. Pub. Modelling and Simulation in Materials Science and Engineering, vol. 9, 2001, 181-192.
- 5.2.5. D.P. Agoris, C.G. Karagiannopoulos, A. Spinakis, C.S. Psomopoulos: Statistical treatment of insulation failure data with the application of simplified regression method in the high voltage laboratory, International Journal of Modelling and Simulation, Vol. 22 (1), 2001, 1-7
- 5.2.6. P.L. Mourgos, C.G. Karagiannopoulos, C.S. Psomopoulos, P.D. Bourkas, N.I. Theodorou: An evaluation method for the prediction of the maximum remaining life of measuring transformers in 150kV power systems, International Journal of Modelling and Simulation, Vol. 22 (1), 2001, 17-22
- 5.2.7. C.S. Psomopoulos, C.G. Karagiannopoulos: Measurements of fusible elements during current interruption and interpretation of related phenomena, Measurement, Journal of the International Measurement Confederation, Vol. 32, 2002, 15-22.
- 5.2.8. C.S. Psomopoulos, C.G. Karagiannopoulos: Temperature distribution of fuse elements during pre-arcing period, Electric Power Systems Research, Vol. 61, 2002, 161-167.
- 5.2.9. C.G. Aronis, C.S. Psomopoulos, C.G. Karagiannopoulos, P.D. Bourkas: A Model Regarding Electrical Contacts in Advance Degradation, International Journal of Modelling and Simulation, Vol. 26 (2), 2006, 169-173.
- 5.2.10. C.S. Psomopoulos, A. Bourka, N.J. Themelis: Waste-to-energy: A review of the status and benefits in USA, Waste Management, Vol 29, 2009, 1718-1724
- 5.2.11. C.S. Psomopoulos, I. Skoula, C. Karras, A. Chatzimpiros, M. Chionidis: Electricity savings and CO2 emissions reduction in buildings sector: How important the network losses are in the calculation?, Energy, Vol. 35 (1), 2010, 485-490

5.3. Published Papers in Conferences' Proceedings Reviewed to the Full Paper

- 5.3.1. D.P. Agoris, P.D. Bourkas, C.G. Karagiannopoulos, C.S. Psomopoulos: Partial discharge measurements on organic solid dielectrics under voltage impulses of different forms, International Conference on High Technology in the Power Industry, Orlando, Florida, October 27-30, 1997, p.p. 511-514.
- 5.3.2. C.G. Karagiannopoulos, P.D. Bourkas, D.P. Agoris, C.S. Psomopoulos: Alteration of the crossing resistance in stationary contacts. A theoretic and experimental investigation, International Conference on High Technology in the Power Industry, Orlando, Florida, October 27-30, 1997, p.p. 515-521.
- 5.3.3. P.D. Bourkas, C.G. Karagiannopoulos, D.P. Agoris, C.S. Psomopoulos : Overall capacitance change of a solid-liquid dielectric combination under the application of high impulse voltages, International Conference on High Technology in the Power Industry, Orlando, Florida, October 27-30, 1997, p.p. 522-526.
- 5.3.4. D.P. Agoris, C.G. Karagiannopoulos, A. Spinakis, C.S. Psomopoulos: Statistical treatment of insulation failure data with the application of simplified regration method in the high voltage laboratory, Fourth International Conference on Power and Energy Systems (PES 2000), Marbella, Spain, September 19-22, 2000, p.p.66-71.

- 5.3.5. P.L. Mourgou, C.G. Karagiannopoulos, C.S. Psomopoulos, P.D. Bourkas, N.I. Theodorou: An evaluation method for the 150kV network measuring transformers, Fourth International Conference on Power and Energy Systems (PES 2000), Marbella, Spain, September 19-22, 2000, p.p.72-76.
- 5.3.6. C.S. Psomopoulos, C.G. Karagiannopoulos, D.P. Agoris, P.D. Bourkas: Measurements of the voltage drop and the current in fuse elements using digital techniques, Fourth International Conference on Power and Energy Systems (PES 2000), Marbella, Spain, September 19-22, 2000, p.p.89-93.
- 5.3.7. P.D. Bourkas, C.G. Karagiannopoulos, C.S. Psomopoulos, P. Halaris : The electromagnetic field in high voltage substations installed in hospitals, International Conference on Power and Energy Systems (EuroPES 2001), Rhodes, Greece, July 3-6, 2001, p.p.416-419
- 5.3.8. D.P. Agoris, C.G. Karagiannopoulos, C.S. Psomopoulos, E. Pyrgioti, G. Panos : Measurements of induced overvoltages in high voltage substations during reactor switching operations, International Conference on Power and Energy Systems (EuroPES 2001), Rhodes, Greece, July 3-6, 2001, p.p.426-429.
- 5.3.9. C.S. Psomopoulos, C.G. Karagiannopoulos, D.P. Agoris, P.D. Bourkas : Dielectric strength investigation on epoxy resin based insulating materials, International Conference on Power and Energy Systems (EuroPES 2001), Rhodes, Greece, July 3-6, 2001, p.p. 540-544.
- 5.3.10. P.D. Bourkas, C.G. Karagiannopoulos, C.S. Psomopoulos, P. Halaris : Theoretical and experimental approximation of the electromagnetic field resulted from underground power lines of 150kV, International Conference on Power and Energy Systems (EuroPES 2001), Rhodes, Greece, July 3-6, 2001, p.p.682-685.
- 5.3.11. V. Gogou, A. Bourka, D. Polemi, K. Psomopoulos, D. Koutsouris : Smart card based PKI in electronic healthcare networks, International Conference on Advances in Communications, Rhodes, Greece, July 3-6, 2001, p.p.91-95.
- 5.3.12. C.S. Psomopoulos, C.G. Aronis, C.G. Karagiannopoulos, P.D. Bourkas : The Effects of Shipyards' Environment in Electrical Contacts Crossing Resistance, Accepted for publication in the International Conference on Power and Energy Systems (EuroPES 2004), Rhodes, Greece, June 28-30, 2004 p.p. 478-483.
- 5.3.13. C.G. Aronis, C.S. Psomopoulos, C.G. Karagiannopoulos, P.D. Bourkas : A Model Regarding Electrical Contacts in Advance Degradation, Accepted for publication in the International Conference on Applied Simulation and Modelling (ASM 2004), Rhodes, Greece, June 28-30, 2004 p.p.23-28.
- 5.3.14. C.S. Psomopoulos, C.G. Aronis, D. Diamadopoulos, C.G. Karagiannopoulos, P.D. Bourkas : Investigation of the current interruption process in fusible wires using high frequency A/D converters, International Conference on Power and Energy Systems (EuroPES 2005), Benalmadena, Spain, June 15-17, 2005 p.p.178-183.
- 5.3.15. D.I. Kosmopoulos, C.S. Psomopoulos : Robust estimation of Jacobian Matrix for image – based robotic visual servoing tasks, International Conference on Applied Simulation and Modelling (ASM 2005), Benalmadena, Spain, June 15-17, 2005, p.p.155-159.
- 5.3.16. C.S. Psomopoulos, D. Diamadopoulos, T. Gontias, C. Karras, E. Papastylianou, P. Karagiannopoulos: Experimental Investigation of the Fusion Process in Thin Wire Elements under High Current Densities, International Conference on Power and Energy Systems (EuroPES 2006), Rhodes, Greece, June 26-29, 2006, p.p. 80-85.
- 5.3.17. C.S. Psomopoulos : Computer Based Measurements in High Voltage Engineering – Enhancing Research and Expanding Experimental Possibilities, 3rd International Conference on Interdisciplinarity in Education (ICIE'07), Athens, Greece, March 15-17, 2007, p.p. 1-6.
- 5.3.18. C.S. Psomopoulos, A. Bourka, N.J. Themelis : Waste to Energy : A Review of the status and Benefits in U.S.A., 1st Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE), Skiathos, Greece, 24 to 28 June 2007, pp.1902-1906.
- 5.3.19. C.S. Psomopoulos, D. Diamadopoulos, C. Karras, P. Karagiannopoulos, E. Tsvilikas : Experimental Investigation of the Fusion in Cylindrical Exploding Wires using High Current Densities with Industrial Frequency, 8th International Conference on Electric Fuses and their Applications (8th ICEFA), Clermont-Ferrand, France, September 10-12, 2007, p.p. 17-22
- 5.3.20. C.S. Psomopoulos, G. Ioannidis, S. Apostolakis, A. Madias : Sewage pumps' recycling possibilities during the refurbishing or upgrade of wastewater management facilities, Proc. of the 2nd Int. CEMEPE & SECOTOX Conf., Mykonos, Greece, June 21-26, 2009, Vol. II, p.p.877-882
- 5.3.21. C.S. Psomopoulos, Y. Karras, P. Karagiannopoulos, C. Karras, D. Diamadopoulos : Recycling potential for the low voltage high breaking capacity fuse links used by P.P.C. of Greece, Proc. of the 2nd Int. CEMEPE & SECOTOX Conf., Mykonos, Greece, June 21-26, 2009, Vol. II, p.p. 891-896.
- 5.3.22. C.S. Psomopoulos and N.J. Themelis : Potential for energy generation in Greece by mass burning and by pre-processing (RDF/SRF) of solid wastes, Proc. of the 2nd Int. CEMEPE & SECOTOX Conf., Mykonos, Greece, June 21-26, 2009, Vol. II, p.p. 1121-1126.
- 5.3.23. C. S. Psomopoulos, G. C. Ioannidis, S. Tsiolis, M. Lagiou. An evaluation of standby losses effect in power demand in Greek urban households, Accepted for presentation on the 6th International Conference on Energy Efficiency in Domestic Appliances and Lighting (EEDAL), EEDAL'11, 24-26 May 2011, Copenhagen, Denmark, paper No 105.
- 5.3.24. C.S. Psomopoulos, A.D. Papadiotis, V. Stavropoulos, N.J. Themelis. Evaluating the potential for energy recovery from wastes in Greek islands, Accepted for presentation on the Third International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2011) & SECOTOX Conference, Skiathos island, Greece, June 19 to 24, 2011, paper No Arev168.

- 5.3.25. C.S. Psomopoulos, C. Stavroulakis, V. Stavropoulos, N.J. Themelis. Greenhouse gasses emission reduction potential in Greece by implementing WTE facilities in strategically selected urban areas. Accepted for presentation on the Third International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2011) & SECOTOX Conference, Skiathos island, Greece, June 19 to 24, 2011, paper No Arev183.
- 5.3.26. C.S. Psomopoulos, G.C. Ioannidis, Y. Karras. Evaluation of the contribution in electricity losses caused by the higher rated voltage of NV/NH fuselinks in the Greek low voltage distribution network. Accepted for presentation at The International Conference on Electrical Fuses and their Applications (ICEFA), 12-14 September 2011, Maribor (Slovenia), paper No02.

5.4. Published Papers in Conferences' Proceedings Reviewed to the Extended Abstract of the Paper

- 5.4.1. G. Ioannidis, C.S. Psomopoulos, Th. Matopoulos : Harmonic distortion impact on power quality and motor operation of constant frequency ac controller for power saving applications under normal and faulty conditions. 6th Mediterranean Conference and Exhibition on Power Generation, Transmission and Distribution, IET Hellas (MedPower 2008), Thessaloniki, 2-5 November 2008, Paper No62 p.p.1-6
- 5.4.2. C.S. Psomopoulos, I. Skoula, A. Chatzibiros, C. Karras, M. Chionidis : Energy saving and CO2 emissions reduction in public buildings: how important the network losses are in the calculation?. 6th Mediterranean Conference and Exhibition on Power Generation, Transmission and Distribution, IET Hellas (MedPower 2008), Thessaloniki, 2-5 November 2008, Paper No202 p.p.1-6.
- 5.4.3. C.S. Psomopoulos, A. Batakis, J. Daskalakis : Residue Derived Fuels Production in Greece: An Alternative Fuel for the Power Generation Sector based in EU and International Experience. 6th Mediterranean Conference and Exhibition on Power Generation, Transmission and Distribution, IET Hellas (MedPower 2008), Thessaloniki, 2-5 November 2008, Paper No145 p.p.1-6.

5.5. Published Papers in Conferences' Proceedings Reviewed to the Abstract of the Paper

- 5.5.1. Bourkas P.D., Karagiannopoulos C.G, Psomopoulos C.S.: Emitted electromagnetic radiation spectrum detection during aging of solid organic insulating materials, via colored photographic film, Hellenic Physics Society IF Annual Conference on Solid State Physics, Thessaloniki, 21-24 September 1997, p.p. 1-4.
- 5.5.2. Bourkas P.D., Karagiannopoulos C.G., Psomopoulos C.S.: Partial discharges in transformers' paper under 1,2/50µs impulse voltages, 4th Hellenic Conference On Polymerics, Patras, 20-21 November 1997, p.p. 366-369.
- 5.5.3. Psomopoulos C.S., Karagiannopoulos C.G., Bourkas P.D. : A mathematic model for the calculation of the low and medium voltage fuses, Proceedings of the Greek National Committee CIGRE, Athens 4-5 December, 1997, p.p. 353-362
- 5.5.4. C.G. Karagiannopoulos, P.D. Bourkas, D.P. Agoris, C.S. Psomopoulos: Free electron energy during the aging of a "metal-thick insulator-metal" structure under switching impulse voltages, IEEE International Symposium on Electrical Insulation, Washington, 7-10 June, 1998, p.p. 499-502.
- 5.5.5. P.D. Bourkas, C.G. Karagiannopoulos, D.P. Agoris, C.S. Psomopoulos: Temperature effects on partial discharges in the combined system of a solid-liquid dielectric during lightning impulse voltage, IEEE International Symposium on Electrical Insulation, Washington, 7-10 June, 1998, p.p. 631-635.
- 5.5.6. C.G. Karagiannopoulos, D.P. Agoris, C.S. Psomopoulos, P.D. Bourkas : Electric contacts evaluation through A/D measurements. 10th IMECO TC-4 International Symposium on Development in Digital Measuring Instrumentation and 3rd Workshop on ADC Modelling and Testing, Naples-Italy, 16-17 September, 1998, p.p. 36-40.
- 5.5.7. C.S. Psomopoulos, C.G. Karagiannopoulos, P.D. Bourkas : Electric carriers transport phenomena during conductors fusion due to overheating,, Hellenic Physics Society XV Annual Conference on Solid State Physics, Patra, 27-29 September 1999, p.p. 1-4.
- 5.5.8. C.G. Karagiannopoulos, D.P. Agoris, C.S. Psomopoulos, P.D. Bourkas : Partial discharges in solid insulators – an experimental investigation, 1999 IEEE/CEIDP Conference on Electrical Insulation and Dielectric Phenomena, Austin, Texas, USA, October 17-20, 1999, p.p. 193-196
- 5.5.9. C.S. Psomopoulos, C.G. Karagiannopoulos, P.D. Bourkas : Electric magnitudes measurements in high voltage equipment and apparatus during their electric stress, through A/D converters, Proceedings of the Greek National Committee CIGRE, Athens 2-3 December, 1999, p.p. 385-396.
- 5.5.10. C.G. Karagiannopoulos, D.P. Agoris, C.S. Psomopoulos, P.D. Bourkas : Partial discharges measurements in industrial dielectrics, 19th International Conference on Modelling, Identification and Control-MIC 2000, Innsbruck, Austria, February 14-17, 2000, p.p.585-588.
- 5.5.11. C.S. Psomopoulos, C.G. Karagiannopoulos, P.D. Bourkas : Measurements of the arc resistance in thin wire elements during short-circuit, Hellenic Physics Society XVI Annual Conference on Solid State Physics, Nafplio, 17-20 September 2000, p.p. 1-4.
- 5.5.12. D.P. Agoris, C.G. Karagiannopoulos, C.S. Psomopoulos, G. Panos: Overvoltages in the low voltage service network of a H.V. substation due to reactor switching, IEE Conference Med Power 2000, Herzlia, Israel, November 13-15, 2000, p.p. 1-4.
- 5.5.13. P.D. Bourkas, C.G. Karagiannopoulos, C.S. Psomopoulos, P.G. Halaris: Detection of the emitted electromagnetic radiation's spectrum during the aging of solid insulators using colored photographic film exposure, Proceedings of the

Greek National Committee CIGRE, Athens 11-12 April, 2002, p.p. 268-274.

- 5.5.14. C. Psomopoulos, W Mehl, I. Skoula, A. Chatzimpiros : Tapping Local Authorities Potential for CO2 emissions reduction through energy efficiency measures : the Mediterranean Example, 2nd International Congress for Energy Efficiency and Renewable Energy Sources Financing Mechanisms for Implementation, Sofia, Bulgaria, 8-10 March 2006, Accepted for publication, pp.1-3.
- 5.5.15. I Skoula, A. Chatzimpiros, C.S. Psomopoulos : The role of local authorities in energy saving: The example of the municipality of Nea Penteli , 2nd International Conference on Renewable Energy Sources and Energy Efficiency, Athens, Greece, 18 to 21 October 2007, pp.1-4.

6. TEACHING TEXTNOTES:

- 6.1. C.S. Psomopoulos & C.G. Karagiannopoulos, Basic Principles of Laser and their applications in metallurgy, Athens 1999 (31 pages).
- 6.2. P.D. Bourkas & C.S. Psomopoulos, An Example for econometechnical study of a public work, Athens 2001 (8 pages)
- 6.3. C.S. Psomopoulos : Special Issues in High Voltage Engineering, Piraeus 2004, (26 pages)
- 6.4. C.S. Psomopoulos : Power Generation, GHG Emissions and Economics, Piraeus 2007, (45 pages)

7. REVIEWER IN SCIENTIFIC JOURNALS

- 7.1. Energy, Elsevier Science
- 7.2. Electric Power Systems Research, Elsevier Science
- 7.3. IET Renewable Power Generation, IET.
- 7.4. Journal of Engineering Science and Technology Review

8. MEMBER OF THE EDITORIAL BOARD OF SCIENTIFIC JOURNALS

- 8.1. Global Journal of Environmental Science and Technology, Simplex Academic Publishers

9. REVIEWER / MEMBER OF INTERNATIONAL PROGRAM COMMITTEE'S IN INTERNATIONAL CONFERENCES--

- Member of the International Program Committee of the "International Conference on Power and Energy Systems – EuroPES 2001", Rhodes, Greece.
- Papers Reviewer for the "International Conference on Power and Energy Systems – EuroPES 2001", Rhodes, Greece.
- Chairman of the Session "Partial Discharge and HV Insulators" in EuroPES 2001.
- Chairman of the Session "Security and Privacy" of the "International Conference on Advances in Communications", 2001, Rhodes, Greece.
- Member of the International Program Committee of the "International Conference on Power and Energy Systems – EuroPES 2002", Crete, Greece.
- Papers Reviewer for the "International Conference on Power and Energy Systems – EuroPES 2002", Crete, Greece.
- Member of the International Program Committee of the "International Conference on Power and Energy Systems – EuroPES 2004", Rhodes, Greece.
- Papers Reviewer for the "International Conference on Power and Energy Systems – EuroPES 2004", Rhodes, Greece.
- Member of the International Program Committee of the "International Conference on Power and Energy Systems –PES 2004", Florida, USA
- Member of the International Program Committee of the "International Conference on Power and Energy Systems – EuroPES 2005", Benalmadena, Spain.
- Papers Reviewer for the "International Conference on Power and Energy Systems – EuroPES 2005", Benalmadena, Spain.
- Member of the International Program Committee of the "International Conference on Power and Energy Systems –PES 2005", Florida, USA
- Papers Reviewer for the "International Conference on Power and Energy Systems – PES 2005", Florida, USA
- Member of the International Program Committee of the "International Conference on Power and Energy Systems – EuroPES 2006", Rhodes, Greece.
- Papers Reviewer for the "International Conference on Power and Energy Systems – EuroPES 2006", Rhodes, Greece.
- Member of the International Program Committee of the 5th WSEAS Conference on Power Systems
- Member of the International Program Committee of the "International Conference on Power and Energy Systems –PES 2007", USA
- Papers Reviewer for the International Program Committee of the "International Conference on Power and Energy Systems –PES 2007", USA
- Member of the International Program Committee of the "International Conference on Power and Energy Systems –

- EuroPES 2007”, Spain.
- Papers Reviewer for the “International Conference on Power and Energy Systems – EuroPES 2007”, Spain.
 - Member of the International Program Committee of the “International Conference on Power and Energy Systems –PES 2008”, USA
 - Papers Reviewer for the International Program Committee of the “International Conference on Power and Energy Systems –PES 2008”, USA
 - Member of the International Program Committee of the “International Conference on Power and Energy Systems – EuroPES 2008”, Greece.
 - Papers Reviewer for the “International Conference on Power and Energy Systems – EuroPES 2008”, Greece.
 - Member of the International Program Committee of the “International Conference on Power and Energy Systems –PES 2009”, USA
 - Papers Reviewer for the International Program Committee of the “International Conference on Power and Energy Systems –PES 2009”, USA
 - Member of the International Program Committee of the “International Conference on Power and Energy Systems – EuroPES 2009”, Spain.
 - Papers Reviewer for the “International Conference on Power and Energy Systems – EuroPES 2009”, Spain.
 - Member of the International Program Committee of the “International Conference on Power and Energy Systems –PES 2010”, USA
 - Papers Reviewer for the International Program Committee of the “International Conference on Power and Energy Systems –PES 2010”, USA
 - Member of the International Program Committee of the “International Conference on Power and Energy Systems – EuroPES 2011”, Greece.
 - Papers Reviewer for the “International Conference on Power and Energy Systems – EuroPES 2011”, Greece.
 - Member of the Scientific Committee of the 9th International Conference on Electrical Fuses and their Applications ICEFA 2011, September 2011, Maribor Slovenia.
 - Papers Reviewer for the 9th International Conference on Electrical Fuses and their Applications ICEFA 2011, September 2011, Maribor Slovenia.
 - Papers Reviewer for the 6th International Conference on Energy Efficiency in Domestic Appliances and Lighting (EEDAL), EEDAL’11
 - Member of the International Scientific Committee of the 3rd International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2011) & SECOTOX Conference, June 2011, Skiathos, Greece.

10. SEMINARS – EDUCATION PROGRAMS

- 10.1. From October 1997 to June of 2000, participation as a member of the teaching team (under Prof. Bourkas) in 15 seminars/education programs to the technical personnel of the Public Power Corporation of Greece. The seminars concerned the equipment and apparatus of P.P.C. which are installed in the high and low voltage network (transformers, insulators, electric contacts and switches, etc).
- 10.2. Participation as a member of the teaching team (under Prof. Bourkas) in one seminars/education program to the Organization of Professional Education and Training in Corfu, July 1999.
- 10.3. Scientific Coordinator and Rapporteur in 2 seminars of the Training Center of the Hellenic Society of Chemical Engineers : “Energy Audit Procedures in Industry and Buildings –Energy Saving Measures”
- 10.4. Rapporteur in one seminar to the Technical Personnel of Municipality of Athens : “Project Management”.
- 10.5. Rapporteur in the seminars of Technical Chamber of Greece for engineers : “Energy Performance Studies in the Building Sector”, November 2010 – February 2011.
- 10.6. Rapporteur in the seminar of Technical Chamber of Greece - Evritania Prefecture Department: “Energy Performance Studies and Energy Audits in the Building Sector”, February 2011.
- 10.7. Member of the authors’ team and editing team for the “Guides for Energy Auditing in Buildings and Tertiary Sector”, Technical Chamber of Greece Publication for the preparation and examination of the authorized energy auditors, 2011.

11. CITATIONS

- The papers citing the article entitled C.S. Psomopoulos, A. Bourka, N.J. Themelis: *Waste-to-energy: A review of the status and benefits in USA*, *Waste Management*, Vol 29, 2009, 1718-1724 are :
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- The papers citing the article entitled C.G. Karagiannopoulos, C.S. Psomopoulos, P.D. Bourkas, *A Theoretic and Experimental Investigation in Stationary Electric Contacts*, *Inst. of Phys. Pub. Modelling and Simulation in Materials Science and Engineering*, 9, 2001, p.p.181-192. are :
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- The papers citing the article entitled *C.S. Psomopoulos, I. Skoula, C. Karras, A. Chatzimpiros, M. Chionidis: Electricity savings and CO2 emissions reduction in buildings sector: How important the network losses are in the calculation?*, *Energy*, Vol. 35 (1), 2010, 485-490 are :
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 - The papers citing the article entitled *P.L. Mourgos, C.G. Karagiannopoulos, C.S. Psomopoulos, P.D. Bourkas, N.I. Theodorou, An evaluation method for the prediction of the maximum remaining life of measuring transformers in 150kV power systems*, (2002) *International Journal of Modelling and Simulation*, 22 (1) pp. 17-22. are :
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 - The papers citing the article entitled *C.S. Psomopoulos, C.G. Karagiannopoulos, Measurements of fusible elements during current interruption and interpretation of related phenomena, Measurement, Journal of the International Measurement Confederation*, Vol. 32, 2002, p.p.15-22. are:
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 - The papers citing the article entitled *D.I. Kosmopoulos, C.S. Psomopoulos : Robust estimation of Jacobian Matrix for image – based robotic visual servoing tasks*, *International Conference on Applied Simulation and Modelling (ASM 2005), Benalmadena, Spain, June 15-17, 2005 p.p.155-159* are :
 35. Sangsoo Noh, Sangbum Park, Youngjoon Han, Hernsoo Hahn, Pose Estimation of Top Object on Stack of Elliptical Objects Based on Ellipse Fitting and Kalman Estimator, Proceedings of the 6th WSEAS International Conference on Signal Processing, Robotics and Automation, pp. 48-53, Corfu, Greece, 2007.
 - The papers citing the article entitled *C.S. Psomopoulos, A. Batakis, J. Daskalakis: Residue Derived Fuels Production in Greece: An Alternative Fuel for the Power Generation Sector based in EU and International Experience. 6th Mediterranean Conference and Exhibition on Power Generation, Transmission and Distribution, IET Hellas (MedPower 2008), Thessaloniki, 2-5 November 2008, Paper No145 p.p.1-6.* are :
 36. A. Papageorgiou, A. Karagiannidis, J.R. Barton, E. Kalogirou, Municipal solid waste management scenarios for Attica and their greenhouse gas emission impact, *Waste Manag Res* 2009; 27; 928-937.

12. OTHER SCIENTIFIC ACTIVITIES

- Member of the Technical Chamber of Greece with membership No. 77853.
- Member of CIGRE since 1997.
- Member of the IEE since 2000.
- Member of the Technical Committee of the Institute of Accelerating Systems and Applications that select and received special electromechanical equipment.
- C.S. Psomopoulos, C.G. Karagiannopoulos, P.D. Bourkas, Electric magnitudes measurements in high voltage equipment and apparatus during their electric stress, through A/D converters, "Monthly Technical Inspection", No 102, October 2000, p.p. 18-27.
- One presentation in the 1998 Conference of Cigre in Rhodes, 14-15 May 1998.
- One presentation in the 2000 Conference of Cigre in Volos, 18-19 May 2000.
- One presentation on Energy Efficiency and Energy Saving Measures in Hospital and Medical Facilities in 2nd Hellenic Conference on Management, Economics and Health Policies, Athens 13-16 November 2006
- One presentation on Energy Efficient Illumination Systems during the Green Procurement in Public Sector Workshop, Athens 26 January 2007
- Member of the team (under Prof P.D. Bourkas) that investigated the reasons and the solution of problems caused by a lightening strike at ATTIKO METRO Installations in Sepolia, December 2000.
- Member of the team (under Prof P.D. Bourkas) that inspected the electromechanical installations of Pammakaristos Hospital Surgeries, May 2001.
- Member of the team (under Prof P.D. Bourkas) that inspected the electromechanical installations of Evangelismos Hospital

13. AWARDS

- Award of the Thomaidio Bequeaths of the year 1999 for the Science Development for the paper : Potential measurements on electric contacts. An experimental investigation, Measurement, Journal of the International Measurement Confederation.
- Award of the Thomaidio Bequeaths of the year 2000 for the Science Development for the paper : Measurements of the voltage drop and the current in fuse elements using digital techniques, Fourth International Conference on Power and Energy Systems (PES 2000).
- Award of the Thomaidio Bequeaths of the year 2001 for the Science Development for the paper Measurements of fusible elements during current interruption and interpretation of related phenomena, Measurement, Journal of the International Measurement Confederation.
- Award of the Thomaidio Bequeaths of the year 2002 for the Science Development for the paper Temperature distribution of fuse elements during pre-arcing period, Electric Power Systems Research.
- CV inclusion in Marquis Who is Who in the World 2007
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