

Curriculum Vitae

of

Eleftheria Pyrgioti

Dr. Electrical Engineer
High Voltage Laboratory
Department of Electrical & Computer Engineering
University of Patras

Tel: 30 2610 996448, 30 2610 420000, 30 6977628870, Fax: 30 2610 997358

e.pyrgioti@ece.upatras.gr

<http://www.ece.upatras.gr/index.php/el/faculty/pirgioti>

<http://www.hvl.ece.upatras.gr>

She graduated from Karditsa Public High School in 1976, with the degree of 19 3/12. In September of the same year, she registered in the Electrical and Computer Engineering Department of the University of Patras, after attending the national examinations. She graduated from there in 1981 with the degree of 7.25.

In May of 1982, she was employed by the High Voltage Laboratory of the University of Patras as a scientific cooperater. She was made permanent in this position after a judgment in May of 1992. In 1991, she finished her PhD in the High Voltage Laboratory of the University of Patras with the title: "The impact of the form of positive impulse voltages and the parameters of the gap on the evolution of the air breakdown in small gaps", and with an "excellent" degree (<http://phdtheses.ekt.gr/eadd/handle/10442/1677>). In 1999 she was elected as a lecturer in the Department of Electrical & Computer Engineering of the University of Patras. In 2008 she was elected as Assistant Professor, in 2016 she was elected as Associate Professor in the same Department, where she has been teaching High Voltage until now. Current courses -*Protection from Over-voltages -Surge Arresters, High Voltages, High Voltages laboratory and Reliability-*. She also teaches the subject *Technology of High Voltage* in the Technological Educational Institute of Patras.

Her research activity was directed to the High Voltage area and focused both on the study of the behaviour of air gaps, when they are stressed by several forms of voltage, with applications in lightning protection, and the record of lightning activity, mainly in the wider territory of Patras, also insulation coordination, distributed generation, renewable energy.

She participates in the longitudinal research work of High Voltage Laboratory of the University of Patras for the record of lightning activity in Greece, which started in 1983 and has been continued until today. This research work has been financed at times by public principals. She has written studies regarding the construction, inspection or improvement of lightning protection systems in public buildings, wind generators, photovoltaic systems, radar systems, gas distribution stations. She has participated in the installation of the high voltage production systems that the High Voltage Laboratory of the University of Patras owns. She participates in dielectric tests and inspections of high and low voltage equipment that are taken place in High Voltage Laboratory of the University of Patras, having as a target to certificate them according to the European and International Standards. These tests involve high voltage applications, measurement of partial discharges, $\tan\delta$ etc. Current research work is dielectric properties of nanofluids.

She was supervisor of about 400 Diploma Thesis.

She was supervisor of three PhD (I. Naxakis 2017, G. Peppas 2016, D. Pylarinos 2012), member of advisory committee of four PHD's [V. Charalambakos (2004), K. Siderakis (2006), S. Lazarou (2009), G. Marmidis (2010)] and member of inquiry committees of about 30 PhD. Now she is supervisor of four PhD's (K. Tigas, S. Pastromas, C. Stamatellatos, K. Koutras and I. Avgeris).

Member of ELOT committee, TE 63 "Lightning Protection Systems - Parameters", TE 75 "Protection of Human from Exposure to Electromagnetic Fields" and TE 82 "Electrical Installations of Buildings".

Reviewer in ELSEVIER, IEEE, e.t.c.

Member in technical committee of ICLP International Conference on Lightning Protection (2010, 2012, 2014) and of EEEIC International Conference on Environment and Electrical Engineering.

Member of the CIGRE and the Technical Chamber of Greece.

Director of the High Voltage Laboratory of the Department of Electrical and Computer Technology of the University of Patras.

Member of the Technical Council of the University of Patras.

Member of the Scientific Committee on Action "Support for social care interventions for students of the University of Patras".

Member of the Disciplinary Council of the Department of Western Greece of the TEE. 2017-2019.

Member of the Standing Committee on Civil Protection & Disaster Management of the Department of Western Greece of the TEE. 2017-2019.

She has participated in all research programs of High Voltage Laboratory. Examples of the most recent are:

- **"DEFKALION". STUDYING AND RESOLVING POWER QUALITY PROBLEMS IN SHIP ELECTRIC ENERGY SYSTEMS, THALES Project (2007-2013)**(Leader Prof. J. Prousalidis)
The Electric Overvoltage Team –Assist. Prof. Eleftheria Pyrgioti (Leader, UoP)
<http://excellence.minedu.gov.gr/thales/el/persons/pyrgioti-eleytheria>
- **KARATHEODWRI. "STUDY OF AUTONOMOUS POWER SYSTEM, PHOTOVOLTAIC -FUEL CELL_BATTERIES" (2009-2012)** (Leader, E. Pyrgioti, ended successfully).
- **«Development of Information Tool for Mapping, Development and Management of Energy Networks and Equipment». PRAKSE 02 156. FP 2000-2006** (Leader, D. Agoris, ended successfully).
- **« Recording of Medium voltage network with a GIS»**. Cooperation of University of Patras – Center of Renewable Energy Sources for the development of applications based on geographical information systems. (Leader, E. Pyrgioti, ended successfully).
- **«RES Power Stations connection to High Voltage Networks and Development of relevant tools of informatics» PENED 2003**, Funding GSRT (finance of two PhDs at the Department of Electrical and Computer Engineering, University of Patras, and two PhDs at the National Technical University of Athens). (Leader, D. Agoris, ended successfully).

Collaborations

<i>Prof. Ioannis Stathopoulos</i> stathop@power.ece.ntua.gr	National Technical University of Athens (NTUA) Research collaboration School of Electrical and Computer Engineering Division of Electric Power https://www.ece.ntua.gr/gr/staff/31	2011-today
<i>Assist. Prof. Ioannis Gonos</i> igonos@cs.ntua.gr	National Technical University of Athens (NTUA) Research collaboration School of Electrical and Computer Engineering Division of Electric Power https://www.ece.ntua.gr/gr/staff/140	2011-today
<i>Assist. Prof. Vassilios Charalambakos</i> charalambakos@teipat.gr	Assistant Professor of the Department of Electrical Engineering, Technological Education Institute of Patras. Laboratory of Electric machines and of the Electrical Measurement Laboratory. http://www.ele.teipat.gr/	2001-today
<i>Assist. Prof. Aristidis Bakandritsos</i> aristeidis.bakandritsos@upol.cz	Assistant Professor Regional Centre of Advanced Technologies and Materials Olomouc, Czech Republic https://www.researchgate.net/profile/Aristides_Bakandritsos	2015-today
Kostas Tigas, Dipl. Eng. ktigas@cres.gr	Director, Division for Energy Information Systems, Dissemination & Market Development Centre for Renewable Energy Sources (CRES), http://www.cres.gr/kape/present/stelexi_tekmiriosis_uk.htm	2003-today
<i>Ass.Prof. John Prousalidis,</i> jprousal@naval.ntua.gr	National Technical University of Athens (NTUA) Research collaboration School of Naval Architecture & Marine Engineering (S-NAME) Division of Marine Engineering (D-ME)	2011-2015
ELOT (Hellenic Organization for Standardization) http://www.elot.gr/	E. Pyrgioti participates in committee TC 63 (Lightning Protection), in committee TC 75 of ELOT (Protection from exposure to electromagnetic fields) and in the committee TC 82 of ELOT (Electrical installations)	1989-today
TALOS High Voltage Test Station	http://talos-ts.com/index.php/research/publications	2007-2013
Dr. Kiriakos Siderakis ksiderakis@staff.teicrete.gr	Assistant Professor of the Technological Educational Institute of Crete, Department of Electrical Engineering. http://eed.stef.teicrete.gr/staff/	2004-2012
Dr. Isidoros Vitellas I.Vitellas@dei.com.gr	Director in the Island Operation Department at Public Power Corporation (PPC), S.A. GREECE www.deddie.gr	2004-2012
Dr Emmanuel Thalassinakis E.Thalassinakis@dei.com.gr	Assistant Director in the Island Operation Department at Public Power Corporation (PPC), S.A. GREECE www.deddie.gr	2004-2012
<i>Prof. A.L. Kupershtokh</i> skn@hydro.nsc.ru	Lavrentyev Institute of Hydrodynamics, Siberian Branch, Russian Academy of Sciences, Lavrentyev prosp. 15, 630090 Novosibirsk, Russia http://ancient.hydro.nsc.ru/sk	2001-2010
<i>Prof. S. Korobeynikov,</i> kor_ser_mir@ngs.ru	Novosibirsk State Technical University 20, K. Marx av., 630092, Novosibirsk, Russia http://www.nstu.ru/	2003-2010
<i>Prof. S. Grzybowski</i> stangrzy@ece.msstate.edu	Mississippi State University Department of Electrical & Computer Engineering , High Voltage Laboratory Box 9571 , Mississippi State, MS 39762-9571 http://www.ece.msstate.edu/	2002-2010

Επιστημονικές Δημοσιεύσεις (Scientific Publications)

ΑΝΑΦΟΡΕΣ (CITATIONS)

https://scholar.google.gr/citations?hl=el&user=pMS032EAAAAJ&view_op=list_works

A1. ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ (A1. JOURNALS)

1. **E.Πυργιώτη** «Επίδραση της μορφής θετικής κρουστικής τάσης και των παραμέτρων του διακένου στην εξέλιξη της διάσπασης σε μικρά διάκενα αέρα». Διδακτορική Διατριβή Τμήμα Ηλεκτρολόγων Μηχ/κών & Τεχνολογίας Υπολογιστών, Παν/μιο Πατρών, Ιούλιος 1991. PhD Thesis (in greek) [3]
2. **E. Pyrgiotti, C. Menemenlis**: «Factors Affecting the Discharge Parameters of Small Positive Rod-Plane Gaps in Atmospheric Air» **ETEP** Vol.2, No 3 May/June **1992**. [1]
3. **D. Agoris, V. Charalambakos, E. Pyrgiotti, S. Grzybowski**: « A computational approach on study of Franklin rod height impact on striking distance using a stochastic model», **ELSEVIER Journal of Electrostatics** Vol. 60/2-4, pp 175-181, **2004**.
4. **Korobeynikov S, Melekhov A., Soloveitchik Y., Royak M., Agoris D., E. Pyrgiotti**: «Surface conductivity at the interface between ceramics and transformer oil», **Journal of Physics D: Applied Physics**, Vol. 38, No 6, pp. 915-921, March **2005**. [25]
5. **Lazarou S., Pyrgiotti E., Agoris D.** : «The latest Greek staute laws and its consequences to the Greek renewable energy source market», **ELSEVIER Journal of Energy Policy** 35 p.p. 4009-4017, March **2007**. [17]
6. **A.L. Kupershtokh, D.I. Karpov, D.A. Medvedev, C.P. Stamatelatos, V.P. Charalambakos, E.C. Pyrgiotti and D.P. Agoris**: « Stochastic models of partial discharge activity in solid and liquid dielectrics», **The Institution of Engineering and Technology (IET) 2007**, 1, (6), p.p. 301-311. [52]
7. **Grigorios Marmidis, Stavros Lazarou, Eleftheria Pyrgiotti**: «Optimal placement of wind turbines in a wind park using Monte Carlo simulation», **ELSEVIER Journal of Renewable Energy** 33 p.p. 1455-1460, October **2007**. [320]
8. **Stavros Lazarou, Eleftheria Pyrgiotti, Antonio T. Alexandridis**: « A simple electric circuit model for proton exchange membrane fuel cells», **ELSEVIER Journal of Power Sources**. 190, pp 380-386, **2009**. [52]
9. **Dionisios Pylarinos, Kyriakos Siderakis, Eleftheria Pyrgiotti, Emmanuel Thalassinakis, Isidoros Vitellas**: «Impact of Noise Related Waveforms on Long Term Field Leakage Current Measurements», **IEEE Transactions on Dielectrics and Electrical Insulation** Vo. 18 No 1 pp 122-129 Feb **2011**. [30]
10. **D. Pylarinos, K. Siderakis, E. Pyrgiotti**, "MEASURING AND ANALYZING LEAKAGE CURRENT FOR OUTDOOR INSULATORS AND SPECIMENS", **Review Advanced Material Science** 29 (2011) p.p. 31-53, Advanced Study Center Co Ltd. **2011**. [37]
11. **Panagiotis Svarnas, Nicolaos Spyrou Eleftheria Pyrgiotti, and Bernard Held**, : «Modification of Point-to-Point DC Discharge During Thin-Film Polymer Treatment», **IEEE Transactions on Plasma Science**, Vol. 39, No.11, p.p.2498-2499, Nov. **2011**.
12. **Dionisios Pylarinos, Kyriakos Siderakis, Emmanuel Thalassinakis, Eleftheria Pyrgiotti, Isidoros Vitellas Stratos L. David**: «Online applicable techniques to evaluate field leakage current waveforms», **Journal of Electric Power Systems Research** 84 p.p. 65-71, **ELSEVIER, 2012**. [13]
13. **Dionisios Pylarinos, Konstantinos Theofilatos, Kiriakos Siderakis, Emmanuel Thalassinakis, Isidoros Vitellas, Antonio T. Alexandridis, Eleftheria Pyrgiotti**: «Investigation and Classification of Field Leakage Current Waveforms», **IEEE Transactions on Dielectrics and Electrical Insulation**, Vol. 19, No. 6, pp. 2111-2118, Dec. **2012**. [24]
14. **Andreas Theocharis, Eleftheria Pyrgiotti**: «Development of a linearized photovoltaic generator model for simulation studies with electromagnetic transient programs », **ETEP International Transactions on Electrical Energy Systems**, DOI: 10.1002/etep. 1853, **2014**. [9]
15. **Kostas Tigas, Georgios Giannakidis, John Mantzaris, Dimitris Lalas, Nikos Sakelaridis, Christos Nakos, Yannis Vougiouklakis, Mirto Theofilidi, Eleftheria Pyrgiotti, Antonios Alexandridis**, "Wide scale penetration of Renewable Electricity in the Greek Energy System in view of the European decarbonization targets for 2050", **Renewable & Sustainable Energy Reviews**, Vol. 42 pp 158-169, RSE-D-14-01309R1, 28.2.2015 Energy Police, **Elsevier**. [33]
16. **Georgios D. Peppas, Vasilios P. Charalampakos, Eleftheria C. Pyrgiotti, Ioannis F. Gonos**: "Electrical and optical measurements investigation of the pre-breakdown processes in natural ester oil under different impulse voltage waveforms" **IET Science, Measurement & Technology**, 2nd March **2016**. [8]
doi: 10.1049/iet-smt.20150304, ISSN 1751-8822.
17. **Georgios D. Peppas, Vasilios P. Charalampakos, Eleftheria C. Pyrgiotti, Michael G. Danikas, Aristides Bakandritsos, Ioannis F. Gonos**: "Statistical investigation of AC breakdown voltage of nanofluids compared with mineral and natural ester oil", **IET Science, Measurement & Technology**, 18th March **2016**. [38]
doi: 10.1049/iet-smt.2016.0031, ISSN 1751-8822
18. **Georgios D. Peppas, Aristides Bakandritsos, Vasilis P. Charalampakos, Eleftheria C. Pyrgiotti, Jiri Tucek, Radek Zboril, Ioannis F. Gonos**: "Ultrastable Natural Ester Based Nanofluids for High Voltage Insulation Applications", **ACS Applied Materials Interfaces**, 1 Sept. **2016**. [34]
DOI: 10.1021/acsami.6b06084.
19. **Naxakis, E. Pyrgiotti, V. Perraki, E. Tselepis**: "Studying the effect of the impulse voltage application on sc-Si PV modules", **Solar Energy**, Volume 144, 1 March **2017**, pages 721–728. [3]

20. *Ioannis Naxakis, Christos Christodoulou, Vasiliki Perraki, Eleftheria Pyrgioti*, "Degradation effects on single crystalline silicon photovoltaic modules subjected to high impulse-voltages", *IET Science, Measurement & Technology*, Volume 11, Issue 5, Aug. **2017**, pages 563-560.
DOI: 10.1049/iet-smt.2016.0376, Print ISSN 1751-8822, Online ISSN 1751-8830
21. *C. Tsonos, H. Zois, A. Kanapitsas, N. Soin, E. Siores, G.D. Peppas, E.C. Pyrgioti, A. Sanida, S.G. Stavropoulos, G.C. Psarras*: "Polyvinylidene fluoride/magnetite nanocomposites: Dielectric and thermal response *Journal of Physics and Chemistry of Solids*", 129 (**2019**) 378–386. doi.org/10.1016/j.jpics.2019.01.025 [7]
22. *Vasilios P. Charalampakos, Georgios D. Peppas, Eleftheria C. Pyrgioti, Aristides Bakandritsos, Aikaterini D. Polykrati and Ioannis F. Gonos*: "Dielectric Insulation Characteristics of Natural Ester Fluid Modified by Colloidal Iron Oxide Ions and Silica Nanoparticles", *Energies*, MDPI, *Energies* 2019, 12, 3259, *Energies* **2019**, 12, 3259
doi:10.3390/en12173259
23. *Eleftheria C. Pyrgioti, Aristides Bakandritsos, Georgios D. Peppas*: "Method of making and synthesizing dielectric nanofluids", **US PATENT 16319397, 12.9.2019**

A2. ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ (A2. JOURNALS)

1. *M. Psalidas, D. Agoris, E. Pyrgioti, C. Karagiannopoulos*: «Modeling for the calculation of overvoltages stressing the electronic equipment of high voltage substations due to lightning» *WSEAS Transactions on Circuits and Systems*, Issue 5, Vol 3, pp. 1183-1187, Athens, July **2004**.
2. *K. Siderakis, D. Agoris, E. Pyrgioti, E. Thalassinakis*: «Investigation of leakage current on high voltage insulators field measurements» *WSEAS Transactions on Circuits and Systems*, Issue 5, Vol 3, pp.1188-1191, Athens, July **2004**.
3. *D. K.-E. Vasileiou, D. Agoris, E. Pyrgioti, D. Lymberopoulos*: «A review on the application of fiber optics on high voltage lines», *WSEAS Transactions on Circuits and Systems*, Issue 5, Vol3, pp. 1192-1196 Athens, July **2004**.
4. *Charalampakos V., Stamatelatos C., Agoris D., Pyrgioti E.*: «Simulation of discharge phenomena in air gaps during high voltage stressing», *WSEAS Transactions on Circuits and Systems*, Issue 8, Vol. 4, pp. 933-943, Aug. **2005**.
5. *Samonaki E., Gridas D., Agoris D., Pyrgioti E.*: «Transient Overvoltage Protection of Transformer Windings Based on Computer Simulation »*WSEAS Transactions on Circuits and Systems*, Issue 2, Vol. 5, pp. 171-176, February **2006**.
6. *K. Noou, S. Lazarou, E. Pyrgioti, V. Stylianakis and S. Kotsopoulos*: « The Impact of Renewable Energy Sources Penetration in Achieving the Energy and Environmental Policy Goals in Greece», *WSEAS Transactions on Environment and Development*, Issue 12, Volume 4, p.p 1161-1170, December **2008**.
7. *Stavros Lazarou, Eleftheria Pyrgioti*: «Intergrated Software, for Impulse Voltages Estimation, in High Voltage Networks with Distributed Generation», *International Journal of Electrical and Power Engineering* 1 (4) p.p. 468-478, *Medwell Journals*, **2007**. [4]
8. *Kleanthis Noou, Stavros Lazarou, Eleftheria Pyrgioti, Vassilis Stylianakis and Stavros Kotsopoulos*: « Evaluation Model for Equipment Estimation of Broadband Access Network Over Medium Voltage Power Lines», *International Journal of Signal System Control and Engineering Application* 1 (3) p.p. 163-170, *Medwell Journals*, **2008**.
<http://medwelljournals.com/abstract/?doi=ijsceapp.2008.163.170>
9. *K. Siderakis, D. Pylarinos, E. Thalassinakis, I. Vitellas, E.Pyrgioti*: «Pollution Maintenance Techniques in Coastal High Voltage Installations », *ETASR - Engineering, Technology & Applied Science Research*, Vol.1, No.1, pp 1-7, **2011**. [34]
10. *D. Pylarinos, K. Siderakis, E. Pyrgioti, E. Thalassinakis, I. Vitellas*, : «Automating the Classification of Field Leakage Current Waveforms», *ETASR - Engineering, Technology & Applied Science Research* Vol. 1, No. 1, pp 8-12, **2011**. [9]
11. *D. Pylarinos, K. Siderakis, E. Pyrgioti, E. Thalassinakis, I. Vitellas*, : «Investigation of Leakage Current Waveforms Recorded in a Coastal High Voltage Substation», *ETASR - Engineering, Technology & Applied Science Research* Vol. 1, No. 3, pp 63-69, **2011**. [15]
12. *Naxakis Ioannis, Marinis Andreas, Nakis Stavros, Pyrgioti Eleftheria and Ioannis Miliaris-Argitis*, : «PEM Fuel Cell System Evaluation Using Operational Data and Updated Matlab/Simulink Simulation Tools» *Journal of Energy and Power Engineering JEPE* ISSN 1934-8975, USA, pp 1911-1917, Volume 6, Number 12, (Serial Number 61), Dec. **2012**.

B. ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΠΡΑΚΤΙΚΑ ΔΙΕΘΝΩΝ ΣΥΝΕΔΡΙΩΝ ΜΕ ΚΡΙΣΗ ΠΛΗΡΟΥΣ ΚΕΙΜΕΝΟΥ

B. INTERNATIONAL CONFERENCES (full paper)

1. *C. Menemenlis, E. Pyrgioti*: «Some Considerations Concerning the Behaviour of a Lightning Interception System» 22nd International Conference on Lightning Protection (**ICLP**) **1994** (R 2-22).
2. *C. Menemenlis, E. Pyrgioti*: «Electrodynamic Forces and Electrodynamic Shock with Emphasis on Lightning» 23rd International Conference on Lightning Protection (**ICLP**), **1996** (S.5) pp 551-556.
3. *C. Stolakis, E. Pyrgioti, N. Spyrou, D. Agoris and C. Menemenlis*: «Factors Affecting the Position of Interception of an Electrical Discharge in a Composite Gap under Positive Impulses» International Symposium on High-Voltage Engineering **ISH1999**, pp 3.228-3.231, Con. Pub.No 467, London Aug. 1999.

4. *D. Agoris, C. Karagianopoulos, G. Panos, E. Pyrgiotti*: «Switching Operations in a High Voltage Substation correlated with Common Mode Voltages Generated in the Low Voltage Internal Service Network», «**IEEE Budapest Power Tech '99**», Budapest, August 29-September 2, **1999**. [1]
5. *Agoris D., Karagiannopoulos C., Filippakou M., Vitellas I., Pyrgiotti E.*: «Modeling of high-voltage arcing phenomena during switchgear short circuits», **IASTED International Conference on Modeling, Identification and Control MIC (99)**, paper No 289-272, pp. 207-209, Innsbruck, Austria, **1999**.
6. *E. Pyrgiotti, C. Stolakis, N. Spyrou, D. Agoris and C. Menemenlis*: «Factors Affecting the Position of Interception of an Electrical Discharge from a Rod to the Ground, in a Gap Containing Grounded Conductors at Short Distance over the Ground Level». International Conference on Lightning and Static Electricity «**ISOLSE '99**» Toulouse, France, June **1999**.
7. *Pyrgiotti E, Agoris D, Menemenlis C, Stavropoulos P* : « Recording lightning activity in Patras-Greece and correlation with the outages of distribution lines». 25th International Conference on Lightning Protection (**ICLP 2000**), Rhodes, Greece, September **2000** (paper 6.33).[8]
8. *V. Charalambakos, D. Agoris, E. Pyrgiotti, A. Kupershhtokh*, : « Stochastic modeling of lightning process». 12th International Conference on High Voltage Engineering, India, August **ISH 2001** (paper 2-8). [1]
9. *V. Charalambakos, D. Agoris, A. Kupershhtokh, E. Pyrgiotti*, : « Stochastic modeling of the discharge in long gaps under positive voltage». **EUROPES 2001** Symposium. Paper 337-178.
10. *D. Agoris, E. Pyrgiotti, N. Spyrou*, : «Influence of grounding grid dimensions on the behaviour of a rod-wire air-gap under high voltage impulse testing». **EUROPES 2001** Symposium. Paper 337-200.
11. *Agoris D., Karagiannopoulos C., Psomopoulos C., E. Pyrgiotti, G. Panos*: « Measurements of induced overvoltages in high voltage substations during reactor switching operations». **EUROPES 2001** Symposium. Paper 337-154.
12. *V. Charalambakos, D. Agoris, E. Pyrgiotti*, : «Estimation of the Probability Distribution of Breakdown Voltage in Air Using a Stochastic Model». paper 350-236, pp 610-614 **IASTED MIC 2002**, Innsbruck Austria, Feb 2002.
13. *D. Agoris, V. Charalambakos, E. Pyrgiotti, S. Grzybowski*: «Estimation of the Protective Zone of a Franklin Rod using a Stochastic Model». Paper 4b.1 pp270-274, International Conference on Lightning Protection **ICLP 2002**, Krakow, Poland.
14. *D. Agoris, M. Psalidas, E. Pyrgiotti, C. Karagianopoulos*: «ATP-EMTP models for the estimation of LEMP hazrd for electronic systems in high voltage substation using ATPDRAW». Paper 3b.2 pp 185-190, International Conference on Lightning Protection **ICLP 2002**, Krakow, Poland.
15. *D. Agoris, E. Pyrgiotti, D. Vasileiou, S. Dragoumis*: «Analysis of Lightning Death Statistics in Greece». Paper 8a.3 pp653-657, International Conference on Lightning Protection **ICLP 2002**, Krakow, Poland.
16. *V. Charalambakos, D. Agoris, E. Pyrgiotti and A. Kupershhtokh*,: «Simulation of streamer propagation under positive impulse voltage». XIIIth **ISH 2003** International Symposium on High Voltage Engineering, Delft, Netherlands.
17. *D.Agoris, K.Tigas, V.Kilias, J.Kabouris, T.Koronides, J.Vlachos, M.Psalidas, E.Pyrgiotti*: «Decision –Support Information System for Evaluating the Penetration of Disersed Renewable Energy Sources Generation in Transmission and Distribution Networks» Paper C6-104, **GIGRE 2004**.
18. *Vassilios Charalambakos, Demosthenes Agoris, Christos Stamatelatos, Eleftheria Pyrgiotti*: «A Computational Approach on Estimation of the Streamer Velocity» paper C-13 Proc. of XIVth **ISH 2005** International Symposium on High Voltage Engineering, Beijing, China, Aug. 25-29, 2005.
19. *V.P. Charalambakos, C.P. Stamatelatos, D. P. Agoris, E. C. Pyrgiotti*: « Simulation of prebreakdown phenomena in air gaps of rod plane configuration of electrodes» paper 498-6625th International **WSEAS** Conference on Power Systems and Electrmagnetic Compability Corfu, Greece, August 23-25, **2005**.
20. *Demosthenes Agoris, Michael Psallidas, Eleftheria Pyrgiotti, Kostas Tigas, Vassilis Kilias, Panagiotis Stratis, Arist. Neris*: « High voltage lines planning for distributed generation connection concidering the potential of renewable sources» paper 215 **CIGRE SYMPOSIUM** , Athens 13-16 April **2005**.
21. *K. Tigas, P. Chaviaropoulos, M. Psallidas, D. Agoris, A. Alexandridis, E. Pyrgiotti, V. Kilias, P. Stratis, A. Neris, I. Vitellas*: « B2 / D2-104 Overhead lines management and planning optimization using geographical information system» paper B2 / D2-104, **CIGRE 2006**.
22. *Agoris D., Pyrgiotti E., Stamatelos S., Vasileiou K.E., Dragoumis S.*: «Post mounted distribution transformers failures due to lightning correlated to the grounding resistance» 28th International Conference on Lightning Protection, (**ICLP 2006**), paper VI-26, Kazawa, Japan, September **2006**.
23. *Stamatelatos C., Agoris D., Pyrgiotti E., Charalambakos V.*: «A Simulation for the efficiency of the lightning protection system of the Rion-Antirion tall bridge» 28th International Conference on Lightning Protection, (**ICLP 2006**), paper IV-2, Kazawa, Japan, September **2006**.
24. *Charalambakos V., Agoris D., Pyrgiotti E., Stamatelatos C.*: «Computer simulation of lightning strokes» 28th International Conference on Lightning Protection, (**ICLP 2006**), paper I-23, Kazawa, Japan, September **2006**.

25. N. Lioutas, S. Lazarou, G. Marmidis, E. Pyrgioti, D. Agoris, : «Overhead line and cable mapping of the Greek Electric Transmission System, for the study of transitional overvoltages, using EMTP-ATP» paper T2-348 XVth ISH 2007 International Symposium on High Voltage Engineering, Ljubljana, Slovenia, Aug. 27-31, 2007.
26. Sokratis Pastromas, Eleftheria Pyrgioti, Demosthenes Agoris: «An application of an intergrated lightning protection system for wind turbines» paper T2-49 XVth ISH 2007 International Symposium on High Voltage Engineering, Ljubljana, Slovenia, Aug. 27-31, 2007.
27. D. Pylarinos, S. Lazarou, G. Marmidis, E. Pyrgioti, : «Classification on surface condition of polymer coated insulators using wavelet transform and neural networks» Proc. of International Conference on Wavelet Analysis and Pattern Recognition, (IEEE) p.p 658-663, Beijing, China, 2-4 Nov. 2007. [8]
28. D. Pylarinos, S. Lazarou, G. Marmidis, E. Pyrgioti, E. Thalassinakis: «Investigation of leakage current on high voltage polymer (RTV SIR) coated insulators» paper 617-005, IASTED PES 2008, Baltimore USA April 2008.
29. S. Lazarou, K. Karavotas, E. Pyrgioti, A. Alexandridis: «PEM fuel cell equivalent circuit models, a review» paper 608-022, IASTED PES (EuroPES 2008), Corfu, Greece, June 2008.
30. Sokratis Pastromas, Eleftheria Pyrgioti, : «Two types of earthing of lightning protection for wind turbines» 29th International Conference on Lightning Protection, (ICLP 2008), paper 6-17 pp 1-10 Uppsala, Sweden, June 2008.
31. Sokratis Pastromas, Eleftheria Pyrgioti, : «An application of integrated lightning protection system for windmills» 29th International Conference on Lightning Protection, (ICLP 2008), paper 6-18, pp 1-16 Uppsala, Sweden, June 2008.
32. Stavros Lazarou, Grigorios Marmidis, Eleftheria Pyrgioti, : «Interface between GIS and ATP-EMTP, for impulse voltages estimation, in high voltage networks with distributed generation» 29th International Conference on Lightning Protection, (ICLP 2008), paper 6-21 pp 1-9 Uppsala, Sweden, June 2008.
33. K. Noou, S. Lazarou, E. Pyrgioti, V. Stylianakis and S. Kotsopoulos, : « Magnetic Vector Pontential Based Model for Skin Effect Calculation in Medium Voltage Power Lines» Electrical Power &Energy Conference (EPEC 2008) 6-7 Oct 2008, IEEE, Vancouver, Canada.
http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=4763365&abstractAccess=no&userType=inst
34. K. Noou, S. Lazarou, E. Pyrgioti, V. Stylianakis and S. Kotsopoulos, : « Analytic Development of Magnetic Vector Potential for Proximity Effect Calculation in Broadband over Power Lines Systemss», 2009 IEEE PES Power Systems Conference & Exposition, 15 - 18 March, 2009 in Seattle, Washington USA.
35. V. P. Charalambakos, E. C. Pyrgioti, N. Nikolaou, C. P. Stamatelatos, 'An estimation of tall constructions height impact on striking distance using a computer simulation', Proc. of the International Symposium on High Voltage (ISH 2009), August 2009, Cape Town, North Africa.
36. M. Vasilaki, E. Pyrgioti: "Simulation of transient behaviour of grounding" 30th International Conference on Lightning Protection, (ICLP 2010), paper 1005 Cagliari Sept. 2010. [12]
37. D. Pylarinos, K. Siderakis, E. Thalassinakis, I. Vitellas, E. Pyrgioti, "Recording and Managing Field Leakage Current Waveforms in Crete" 16th ISAP 2011, Sept. 25-28, Hersonissos, Crete, Greece.
38. D. Pylarinos¹, K. Siderakis, E. Pyrgioti, E. Thalassinakis and I. Vitellas: "INVESTIGATING AND OVERCOMING THE NOISE AND DATA SIZE PROBLEMS IN LONG TERM FIELD LEAKAGE CURRENT MONITORING" Proc. of the 17th International Symposium on High Voltage (ISH 2011), August 2011, paper F-032, Hannover Germany.
39. E. P. Pyrgioti, V. P. Charalambakos, P. Svarnas, and G. Paparoidamis: "BREAKDOWN STRENGTH MEASUREMENTS OF BIODEGRADABLE INSULATING OILS UNDER ELEVATED POWER FREQUENCY VOLTAGE" Proc. of the 17th International Symposium on High Voltage (ISH 2011), August 2011, paper D-018, Hannover Germany.
40. V. P. Charalambakos, E. Pyrgioti, G. Peppas, G. Laskos and A. Theocharis: "MODELLING OF BREAKDOWN AND PREBREAKDOWN PHENOMENA IN LIQUID DIELECTRICS" Proc. of the 17th International Symposium on High Voltage (ISH 2011), August 2011, paper H-003, Hannover Germany.
41. C. Konispoliatis, P. Svarnas, F. Clement, E. Pyrgioti, V. Dracopoulos, N. Spyrou, : "A Reactive Ion Etcher with increased sample throughput: detailed presentation and primary characterization" 30th ICPIG, Aug. 28th- Sept. 2th 2011, Belfast, N. Ireland, UK.
42. Andreas D. Theocharis, Ioannis A. Naxakis, Eleftheria C. Pyrgioti, : "Photovoltaic generator modeling with electromagnetic transient programs" IEEE Conference on Innovative Smart Grid Technologies, Latin America (ISGT-LA), October 19-21 2011 Medellin, Colombia.
43. Eleftheria Pyrgioti, Vasileios Bokogiannis: "Lightning Impulse Performance of a Wind Turbine Grounding Grid Considering Soil Ionization" 7th Asia-Pasific International Conference on Lightning, APL2011, Nov. 1-4, 2011, Chengdu, China.
http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=6111083&abstractAccess=no&userType=inst.
44. Andreas D. Theocharis, Eleftheria C. Pyrgioti, Ioannis A. Naxakis: "Modelling of Photovoltaic Generators Based on a Linarized Equivalnet Circuit" (ICREPG'12) Santiago de Compostela (Spain), 28th to 30th March, 2012. [7]
<http://www.icrepq.com/icrepq'12/508-theocharis.pdf>

45. K. Tigas, J. Mantzaris, G. Giannakidis, C. Nakos, N. Sakellaris, **E. Pyrgioti**, A.T. Alexandridis: "Generation Expansion Planning under Wide-Scale RES Energy Penetration". University of Cape Town, South Africa, 19th to 21st June, **IEW 2012**. [7] <http://iew2012.odandbrown.co.uk/files/2012/06/Tigas.pdf>
46. Despoina I. Makrygiorgou, **Eleftheria C. Pyrgioti**, and Antonio T. Alexandridis: "Implementation of Genetic Algorithms in PV Modules Power Optimization: Simulations and Experimental Results" Proc. Of 14th **IASTED** International Conference on Control and Applications (CA 2012), Crete, Greece, paper 781-054 pp. 219-226, June **2012**. <http://www.actapress.com/Content Of Proceeding.aspx?ProceedingID=737>
47. Chryssa Nasiopoulou, **Eleftheria Pyrgioti**: "Performance of Surge Arresters in a Low Voltage Distribution System", 31st International Conference on Lightning Protection, **ICLP 2012**, paper **54** Vienna, Austria.
48. Georgios D. Peppas, Ioannis A. Naxakis, Christos T. Vitsas, **Eleftheria C. Pyrgioti**: "Surge Arresters Models For Fast Transients", 31st International Conference on Lightning Protection, **ICLP 2012**, paper **128** Vienna, Austria. [11]
49. Ioannis A. Naxakis, Georgios D. Peppas, **Eleftheria C. Pyrgioti**: "Dielectric Strength Measurements in Photovoltaic Modules", 31st International Conference on Lightning Protection, **ICLP 2012**, paper **222** Vienna, Austria.
50. Georgios D. Peppas, Konstantinos I. Bekas, Ioannis A. Naxakis, **Eleftheria C. Pyrgioti**, Vasilios P. Charalampakos: "Analysis of Lightning Impacts in Greece", 31st International Conference on Lightning Protection, **ICLP 2012**, paper **220** Vienna, Austria. [6]
51. D. Pylarinos, K. Theofilatos, K. Siderakis, **E. Pyrgioti**, T. Papazoglou, I. Vitellas, E. Thalassinakis: "Feature Selection and Classification of Field Leakage Current Waveforms using Genetic Algorithms", Paper 325, Smarts Grids: Next Generation Grids for New Energy Trends **CIGRE LISBON SYMPOSIUM - PORTUGAL 22 – 24 APRIL 2013**.
52. Andreas Theocharis, **Eleftheria Pyrgioti**: "Electromagnetic Transient Programs and the Photovoltaic Input" 12th International Conference on Environment and Electrical Engineering **ICEEE- Wroclaw**, Poland, 5 - 8 May **2013**.
53. G. Peppas, **E. Pyrgioti**, V. P. Charalampakos: "Investigation of Statistical Breakdown in Mineral and Natural Ester Oils under AC Voltage", Proc. of the 18th International Symposium on High Voltage (**ISH 2013**), , paper **OE6-02**, pp 1320-1325, August 2013, Seoul, Korea.
54. E. P. Nicolopoulou, V.T. Kontargyri, I. F. Gonos, G. J. Tsekouras, **E. C. Pyrgioti**, I. A. Stathopoulos: "EXPERIMENTAL APPLICATION OF THE SIMILARITY THEORY ON SCALED STRIP ELECTRODE CONFIGURATIONS FOR THE CALCULATION OF THE GROUNDING IMPEDANCE" Proc. of the 18th International Symposium on High Voltage (**ISH 2013**), paper **PB-16**, pp 434-439, August 2013, Seoul, Korea. [5]
55. Georgios Peppas, Panagiotis Koulis, Panagiotis Svarnas, **Eleftheria C. Pyrgioti**: "Electrical and optical-emission parallel study of natural ester liquids stressed by impulse high voltage", Proc. of the 18th International Conference on Dielectric Liquids (**ICDL 2014**), paper **167** pp1-4, July 2014 Bled, Slovenia.
56. Georgios D. Peppas, Dimosthenis A. Zacharakis, Vasilios P. Charalampakos, **Eleftheria C. Pyrgioti**: "Lightning Protection of Airport Traffic Control Towers (ATCT)", International Conference on Lightning Protection (**ICLP 2014**), paper **134**, pp 145-150, Oct 2014, Shanghai, China. [4]
57. Georgios D. Peppas, Papagiannis Marios-Panagiotis, Koulouridis Stavros, **Eleftheria C. Pyrgioti**: "Induced Voltage on a above-ground natural gas/oil pipeline due to lightning strike on a Transmission line", International Conference on Lightning Protection (**ICLP 2014**), paper **133**, pp 138 -144, Oct 2014, Shanghai, China. [6]
58. A. K. Pountourelis, G. D. Peppas and **E. C. Pyrgioti**: "AN INVESTIGATION OF NON CONVENTIONAL GROUNDING INSTALLATIONS", Proc. of the 19th International Symposium on High Voltage (**ISH 2015**), paper **443**, August 2015, Pilsen, Czech Republic. [3]
59. G.D. Peppas, V.P. Charalampakos, **E.C. Pyrgioti**, E.I. Polydoropoulou: "INFLUENCE OF SURFACE MODIFIED FE₃O₄ NANOPARTICLES ON THE DIELECTRIC PROPERTIES OF NATURAL ESTER BASED NANOFUID", Proc. of the 19th International Symposium on High Voltage (**ISH 2015**), paper **155**, August 2015, Pilsen, Czech Republic. [6]
60. I. Naxakis, V. Perraki, E. Pyrgioti: "Influence of lightning strikes on photovoltaic modules properties" **32nd EU PVSEC**, Munich, Germany, **2016**.
61. Sokratis Pastromas, Georgios Peppas, **Eleftheria Pyrgioti**: "EFFECTIVENESS INVESTIGATION OF WIND FARM EARTHING SYSTEM", Proc. of the 2016 IEEE International Conference on High Voltage Engineering and Application (**ICHVE 2016**) P-9-23, Chengdu, China, September 19-22, 2016.
62. I. Naxakis, P. Nikolaidis, E. Pyrgioti: "Performance of an installed lightning protection system in a photovoltaic park", Proc. of the 2016 IEEE International Conference on High Voltage Engineering and Application (**ICHVE 2016**) P-4-8, Chengdu, China, September 19-22, 2016. [5]
63. Theofanis I. Aravanis, **Eleftheria C. Pyrgioti**, Ioannis F. Gonos : "Lightning-induced Overvoltages in the Hellenic Electricity Distribution Network", Proc. of the 2016 IEEE International Conference on High Voltage Engineering and Application (**ICHVE 2016**) P-1-28, Chengdu, China, September 19-22, 2016.
64. Georgios D. Peppas, Aristeidis P. Bakandritsos, **Eleftheria C. Pyrgioti**, Roula Kriptomou, Apostolos Kyritsis, Ioannis F. Gonos: "Dielectric study of self assembled nanofluids by means of AC breakdown tests and dielectric relaxation spectroscopy.",

Proc. of the 2016 IEEE International Conference on High Voltage Engineering and Application (**ICHVE 2016**) A-3-4, Chengdu, China, September 19-22, 2016.

65. *Sokratis Pastromas, Alkistis Papamikou Georgios Peppas, Eleftheria Pyrgioti*: "Investigation of grounding resistance effect on the MV grid of Hellenic electromotive railway" International Conference on Lightning Protection (**ICLP 2016**), paper 87, 25-30 September 2016 (Estoril - Portugal). [7]
66. *G. Peppas, T. Tsovilis, E. Pyrgioti, Z. Politis, D. Micu, I. Gonos*: "Lightning Protection of Pipeline Systems", International Conference on Lightning Protection (**ICLP 2016**), paper 128, 25-30 September 2016 (Estoril - Portugal).
67. *Sokratis Pastromas, Eleftheria C. Pyrgioti*: "Protection Measures on Wind Turbines against lightning Strikes" (**ICREPO'17**) Malaga (Spain), 4th to 6th April, 2017. <http://www.icrepq.com/icrepq17/329-17-pastromas.pdf>
68. *V. P. Charalambakos G. D. Peppas, E. C. Pyrgioti, A. P. Bakandritsos, I. F. Gonos*: "A Comparative Study of Natural Ester based Nanofluids with Fe₂O₃ and SiO₂ Nanoparticles", Proc. of the 19th International Conference on Dielectric Liquids (**ICDL 2017**), paper 1297 pp1-4, 25-29 June 2017, Manchester, United Kingdom. 978-1-5090-4877-9/17/\$31.00 ©2017 IEEE [4]
69. *G.D. Peppas, V.P Charalampakos, E.C. Pyrgioti, T. Tsovilis, Z. Politis and I.F. Gonos*: "A PARTIAL DISCHARGE STUDY OF ULTRASTABLE COLLOIDAL NANOFUID IMPREGNATED PAPER", Proc. of the 20th International Symposium on High Voltage (**ISH 2017**), paper 336, Aug. 27- Sept. 1 2017, Buenos Aires, Argentina.
70. *S. A. Pastromas, K. Kalymnios and E.C. Pyrgioti*: "INVESTIGATION OF WIND TURBINE GROUNDING SYSTEM SAFETY", Proc. of the 20th International Symposium on High Voltage (**ISH 2017**), paper 379, Aug. 27- Sept. 1 2017, Buenos Aires, Argentina.
71. *J. Gonos, A. Kladas, S. Koulouridis, E. Pyrgioti, D. Labridis, P. Mikropoulos, G. Kyriacou, A. Safigianni*: "Environmental Impact Analysis f Electric Power Lines", paper ID 581, **IEEE, EEIC 2018**, IEEE 18th International Conference on Environment and Electrical Engineering, Palermo, Italy, 12-15 June 2018.
72. *S. A. Pastromas, K. Sandros, K. N. Koutras, E. C. Pyrgioti*: "Investigation of lightning strike effects on wind turbine critical components", **ICHVE 2018**, Athens, Greece 978-1-5386-5086-8/18/\$31.00 ©2018 IEEE.
73. *I. Naxakis, G. Mihos, S. Pastromas, E. Pyrgioti*: "Examining the operation of the grounding system of a PV installation", **ICHVE 2018**, Athens, Greece 978-1-5386-5086-8/18/\$31.00 ©2018 IEEE.
74. *Georgios D. Peppas, Vassilios P. Charalampakos, Eleftheria C. Pyrgioti, Aristides Bakandritsos, Aikaterini D., Polykrati, Ioannis F. Gonos* "A study on the Breakdown Characteristics of Natural Ester Based Nanofluids with Magnetic Iron Oxide and SiO₂ Nanoparticles", **ICHVE 2018**, Athens, Greece 978-1-5386-5086-8/18/\$31.00 ©2018 IEEE. [3]
75. *A.D. Polykrati, C.S. Koutsiaira, V.P. Charalampakos, A. Kyritsis, G.D. Peppas, I.F. Gonos, E.C. Pyrgioti*: "Thermal and electric conductivity of insulating oils with magnetite nanoparticles", **ICHVE 2018**, Athens, Greece 978-1-5386-5086-8/18/\$31.00 ©2018 IEEE.
76. *V. P. Charalampakos, T. Fanariotis, E. C. Pyrgioti, G. D. Peppas, A. Kolokithas*: "A Comparative Study of Natural Ester and Synthetic Ester based Nanofluids with TiO₂ Nanoparticles", **ICHVE 2018**, Athens, Greece 978-1-5386-5086-8/18/\$31.00 ©2018 IEEE.
77. *S. A. Pastromas, K. Maimaris, I. K. Stasinou, I. A. Naxakis, E. C. Pyrgioti* : "Assessment of Wind Turbine Grounding System" **ICHVE 2018**, Athens, Greece, 978-1-5386-5086-8/18/\$31.00 ©2018 IEEE.
78. *V. P. Charalampakos, E. Chatzikalymnios, E. C. Pyrgioti, G. D. Peppas, A. Bakandritsos, A. Polykrati, I. F. Gonos*: "AC Breakdown Strength of Natural Ester Oil based Nanofluid with Graphene Nanosheets", **ICHVE 2018**, Athens, Greece, 978-1-5386-5086-8/18/\$31.00 ©2018 IEEE.
79. *Ioannis A. Naxakis, S. A. Pastromas, Sofia I. Xerra, K. N. Koutras and E. C. Pyrgioti*: "EVALUATION OF WIND TURBINE EARTHING SYSTEM, 21st International Symposium on High Voltage Engineering, Budapest, Hungary, August 26-30, (**ISH 2019**)" .
80. *E. C. Pyrgioti, K. N. Koutras, V. P. Charalampakos, G. D. Peppas, A. P. Bakandritsos, I. A. Naxakis*: "An Experimental Study on the Influence of Surface Modification of TiO₂ Nanoparticles on Breakdown Voltage of Natural Ester Nanofluid", 21st International Symposium on High Voltage Engineering, Budapest, Hungary, August 26-30, (**ISH 2019**).

Γ. ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΠΡΑΚΤΙΚΑ ΔΙΕΘΝΩΝ ΣΥΝΕΔΡΙΩΝ ΜΕ ΚΡΙΣΗ ΕΚΤΕΤΑΜΕΝΗΣ ΠΕΡΙΛΗΨΗΣ

C. INTERNATIONAL CONFERENCES (extended summary)

1. *V. Charalambakos, D. Agoris, E. Pyrgioti*: «Simulation of streamer propagation under DC voltage of positive polarity». 38th **UPEC 2003**, Thessaloniki, Greece. pp73-76
2. *M. Psalidas, D. Agoris, E. Pyrgioti V. Kiliass, P. Stratis, K. Tigas* «Geographic information system for the digitization and management of electrical networks», 8th **UPEC 2003**, Thessaloniki, Greece. pp 665-668. [5]
3. *M. Psalidas, V. Kiliass, P. Stratis, D. Agoris, E. Pyrgioti, K. Tigas*: «Geographic Information System Application for estimating the penetration of wind power using PSS/E» **PTI Wind Power Seminar**, 1st October 2003, Athens.
4. *K. Siderakis, D. Agoris, E. Pyrgioti, E. Thalassinakis, J. Stefanakis*: «Non Linear Behaviour of Leakage Current on SIR High Voltage Post Insulators», IEE 4th Mediterranean Conference on Power Generation, Transmission Distribution and Conversion, **Med Power 2004**, paper **MED04/CH47** Lemesos, Cyprus, 14-17 November 2004.

5. *I. Vitellas, D. Agoris, E. Pyrgioti, P. Kourelis, A. Reppas*: «Electrical Trees Growth In Solid Composed Insulation Containing A Dielectric Barrier», IEE 4th Mediterranean Conference on Power Generation, Transmission Distribution and Conversion, **Med Power 2004**, paper **MED04/CH46**, Lemesos, Cyprus, 14-17 November 2004.
6. *I. Naxakis, S. Lazarou, G. Marmidis, E. Pyrgioti*: «Review of Anti-Islanding Techniques», paper **MED08/052**, session T12, **MED POWER 2008**, Nov 2-5 2008, Thessaloniki, Greece.
7. *D. Pylarinos, K. Siderakis, E. Thalassinakis, I. Vitellas, E. Pyrgioti*: «Signal Analysis and pattern Recognition Techniques on Leakage Current Measurements», paper **MED08/221**, session W8, **MED POWER 2008**, Nov 2-5 2008, Thessaloniki, Greece.
8. *A. Marinis, S. Nakis, I. Naxakis, E. Pyrgioti, I. Miliadis-Argeitis*: «Analysis of a PEM Fuel Cell System dynamic response (Operational and Simulation results)», Paper **188**, **UPEC2010** in Cardiff.
9. *D. Pylarinos, K. Siderakis, E. Pyrgioti, E. Thalassinakis, I. Vitellas*: «Long term leakage current measurements in the field: Techniques to overcome the noise and data size problems», paper Ref. No: **MED10/167** 7th Mediterranean Conference and Exhibition on Power Generation, Transmission, Distribution and Energy Conversion (**MedPower 2010**).
10. *A. Marinis, S. Nakis, I. Naxakis, E. Pyrgioti, I. Miliadis-Argeitis*: «PEM fuel cell system evaluation using operational data and updated Matlab/Simulink simulation tools», paper Ref. No: **MED10/200** 7th Mediterranean Conference and Exhibition on Power Generation, Transmission, Distribution and Energy Conversion (**MedPower 2010**).
11. *D. Pylarinos, K. Siderakis, E. Pyrgioti, E. Thalassinakis, I. Vitella*: «Monitoring Leakage Current Waveforms in the Field», 5th international conference and technical exhibit on Deregulated Electricity Market issues in South-Eastern Europe, **DEMSEE 2010**, Sitia, 2010.
12. *D. Pylarinos, K. Theofilatos, K. Siderakis, E. Pyrgioti, T. Papazoglou, I. Vitellas, E. Thalassinakis*: «Classification of Field Leakage Current Waveforms using Genetic Algorithms and an Euclidian Classifier», 7th International Workshop on Deregulated Electricity Market Issues in South-Eastern Europe, **DEMSEE 2012**, paper **66**, Bucharest, Romania.
13. *I.A. Naxakis, K.C. Neokli and E.C. Pyrgioti*: «Techno-economics study of hybrid system combined with renewable energy sources», 4th International Conference Renewable Energy Sources & Energy Efficiency, New Challenges (CYPRUS) 6 - 7 June **2013**.
14. *I. Naxakis, V. Perraki, E. Pyrgioti*: «Evaluation of the behavior of a PV module after a high impulse voltage stress» **MED POWER 2014** - 9th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion, paper 223, November 2 - 5, 2014, Athens, Greece.
15. *G.D. Peppas, E. Polydoropoulou, E.C. Pyrgioti, D. P. Zagklis, C. A. Paraskeva, V. P. Charalampakos*: «Dielectric properties of Natural ester Nanofluid with surface modified Fe₂O₃ nanoparticles», **MED POWER 2014** - 9th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion, paper 219, November 2 - 5, 2014, Athens, Greece.
16. *Sokratis Pastromas, Charalambos Nikolakopoulos, Georgios Peppas, Ioannis Naxakis, Eleftheria Pyrgioti*: «Effect on GPR of earthing connection between wind turbines» paper #1569993363, 2nd International Conference on Renewable Energy for Developing Countries November 26-27, **2014 REDEC**.

Δ. ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΠΡΑΚΤΙΚΑ ΕΛΛΗΝΙΚΩΝ ΣΥΝΕΔΡΙΩΝ ΜΕ ΚΡΙΣΗ ΠΕΡΙΛΗΨΗΣ (IN GREEK)

1. *Μ. Παλλίδας, Β. Κίλιας, Π. Στρατής, Δ. Αγορής, Κ. Τίγκας, Ε. Πυργιώτη*: «Σύστημα γεωγραφικών πληροφοριών για την καταγραφή και διαχείριση ηλεκτρικών δικτύων», Σύνοδος της Ε.Ε. CIGRE, εργασία Γ4, σελίδες 129-136, Αθήνα, 27-28 Νοεμβρίου **2003**.
2. *Κίλιας Β., Παλλίδας Μ., Στρατής Π., Αγορής Δ., Τίγκας Κ., Πυργιώτη Ε.*: «Γεωγραφικό Σύστημα Πληροφοριών για τη Διερεύνηση Παραμέτρων Σύνδεσης Έργων Ανανεώσιμων Πηγών Ενέργειας στα Δίκτυα Ηλεκτρικής Ενέργειας», 3^ο Πανελλήνιο Συνέδριο της Ελληνικής Εταιρείας Γεωγραφικών Συστημάτων Πληροφοριών, Αθήνα, 11-12 Μαρτίου **2004**.
3. *Παλλίδας Μ., Αγορής Δ., Πυργιώτη Ε., Κίλιας Β., Στρατής Π., Τίγκας Κ., Νέρρης Α., Πασβάντης Κ.*: «Ανάλυση Δικτύων Μέσης Τάσης με Σύστημα Γεωγραφικών Πληροφοριών και Λογισμικό Ροής Φορτίου», 1^ο Πανελλήνιο Συνέδριο Διπλ. Μηχανολόγων-Ηλεκτρολόγων Μηχανικών, Αθήνα, Μάρτιος 2005.
4. *Σιδεράκης Κ., Αγορής Δ., Πυργιώτη Ε., Θαλασσινάκης Ε., Στεφανάκης Ι.*: «Μέθοδοι αντιμετώπισης της Ρύπανσης των Μονωτήρων σε Υποσταθμούς Υψηλής Τάσης», 1^ο Πανελλήνιο Συνέδριο Διπλ. Μηχανολόγων-Ηλεκτρολόγων Μηχανικών, Αθήνα, Μάρτιος **2005**.
5. *Τζωρτζακάκης Γ., Σιδεράκης Κ., Μαρμίδης Γ., Πυργιώτη Ε., Αγορής Δ., Θαλασσινάκης Ε., Γεωργίου Λ.*: «Έλεγχος της Ικανότητας Μεταδοσης της Υδροφοβίας Υλικών Sir της Επιφανείας Συνθετικών Μονωτηρών του Δικτύου Υψηλής Τάσης» Σύνοδος Ελληνικής Επιτροπής CIGRE, Εργασία Δ3, σελ. 1-11, Αθήνα, 15-16 Δεκεμβρίου **2005**.
6. *Δ. Πυλαρινός, Κ. Σιδεράκης, Πυργιώτη Ε., Θαλασσινάκης Ι., Βιτέλλας.*: «Στατιστική ανάλυση κυματομορφών ρεύματος διαρροής – Αξιολόγηση μεθόδων φιλτραρίσματος», Σύνοδος Ελληνικής Επιτροπής CIGRE, Αθήνα, 3-4 Δεκεμβρίου **2009**.
7. *Γ. Α. Βίλλιας, Α. Χ. Μέρμιγκας, Ε. Χ. Πυργιώτη, Π.Δ. Μπούρκας*: «Θερμική συμπεριφορά γραμμών Κορμού, Διανομής Μέσης Τάσης κατά το βραχυκύκλωμα στον αέρα» Σύγχρονη Τεχνική Επιθεώρηση, τεύχος 212, Ιαν. **2010**.
8. *Ν. Δουσατζής, Ευστ. Μηλιώνη, Ε. Πυργιώτη*: «Προσομοίωση μεταβατικής συμπεριφοράς γείωσης ανεμογεννητριών.» Σύγχρονη Τεχνική Επιθεώρηση, τεύχος 230, Ιανουάριος **2011**.
9. *Χρ. Ναιοπούλου, Ε. Πυργιώτη*: «Δυναμική συμπεριφορά απαγωγέων κρουστικών υπερτάσεων σε σύστημα διανομής χαμηλής τάσης.» Σύγχρονη Τεχνική Επιθεώρηση, τεύχος 232, Σεπτέμβριος **2011**.

10. Κ. Σιδεράκης, Δ. Πυλαρινός, Ε. Θαλασσινάκης Ι. Βιτέλλας. **Πυργιώτη Ε.**,: «Διερεύνηση της συμπεριφοράς συνθετικών μονωτήρων HTV SIR και κεραμικών μονωτήρων με επικάλυψη από RTV SIR στον παράκτιο σταθμό δοκιμής μονωτήρων της ΔΕΗ/ΔΔΝ» Σύνοδος Ελληνικής Επιτροπής CIGRE, Αθήνα, 15-16 Δεκεμβρίου **2011**.
11. Ναξάκης Ιωάννης, Νεοκλή Κυριάκος, Πέππας Γεώργιος, **Πυργιώτη Ελευθερία**, : “Τεχνο-οικονομική μελέτη υβριδικού συστήματος με ανανεώσιμες πηγές ενέργειας”, ΣΦΗΜΜΥ6, **2013**.
12. Πανούση Αικατερίνη, Πέππας Γεώργιος, Ναξάκης Ιωάννης, **Πυργιώτη Ελευθερία**, «Συμπεριφορά γραμμών μεταφοράς με απαγωγείς υπερτάσεων σε πλήγματα κεραυνών» ΣΦΗΜΜΥ6, **2013**.
13. Γεώργιος Δ. Πέππας, Ελευθερία Χ. Πυργιώτη, Παναγιώτης Γ. Κολλίντζας, Φωτεινή Π. Σαΐτη : «ΕΠΙΔΡΑΣΗ ΕΠΙΦΑΝΕΙΑΚΑ ΤΡΟΠΟΠΟΙΗΜΕΝΩΝ ΝΑΝΟΣΩΜΑΤΙΔΙΩΝ Fe₃O₄ ΚΑΙ SiO₂ ΣΤΙΣ ΔΙΗΛΕΚΤΡΙΚΕΣ ΙΔΙΟΤΗΤΕΣ ΝΑΝΟ-ΕΛΑΙΩΝ ΣΕ ΜΗΤΡΑ ΦΥΣΙΚΟΥ ΕΣΤΕΡΑ», Σύνοδος Ελληνικής Επιτροπής CIGRE, Αθήνα, **2015**.
14. Ι. Γκόνος, Α. Κλαδάς, Σ. Κουλουρίδης, Γ. Κυριακού, Δ. Λαμπρίδης, Π. Μικρόπουλος, **Ε. Πυργιώτη**, Α. Σαφιγιάννη: «ΑΝΑΛΥΣΗ ΗΛΕΚΤΡΙΚΟΥ ΚΑΙ ΜΑΓΝΗΤΙΚΟΥ ΠΕΔΙΟΥ ΓΡΑΜΜΩΝ ΜΕΤΑΦΟΡΑΣ ΗΛΕΚΤΡΙΚΗΣ ΕΝΕΡΓΕΙΑΣ ΚΑΙ ΑΠΟΣΤΑΣΕΙΣ ΑΣΦΑΛΕΙΑΣ ΑΝΘΡΩΠΙΝΗΣ ΔΡΑΣΤΗΡΟΤΗΤΑΣ» Σύνοδος Ελληνικής Επιτροπής CIGRE, Αθήνα, 13-14 Δεκεμβρίου **2017**.
15. Κ. Σ. Κουτσιαρά, Γ. Δ. Πέππας, Α. Δ. Πολυκράτη, Β. Χαραλαμπάκος, Ε. Χ. Πυργιώτη, Α. Κυρίτσης, Ι. Φ. Γκόνος: «ΜΕΤΡΗΣΕΙΣ ΘΕΡΜΙΚΗΣ ΑΓΩΓΙΜΟΤΗΤΑΣ ΚΑΙ ΔΙΗΛΕΚΤΡΙΚΗΣ ΣΥΜΠΕΡΙΦΟΡΑΣ ΝΑΝΟΕΛΑΙΩΝ», ID93, 7ο Τακτικό Εθνικό Συνέδριο Μετρολογίας, Αθήνα, 11-12 Μαΐου **2018**.