

Curriculum Vitae



1. PERSONAL DATA

Name and Surname : **Marios N. Moschakis**
Birth Date : 6 March 1974
Mail address : T.E.I. of THESSALY, Department of Electrical Engineering,
41110, Larissa, Greece
Tel.: +30 2410 684 -325
Fax : +30 2410 684 325
E-mail : mмосchakis@teilar.gr, marios.moschakis@gmail.com
Webpage : http://www.teithessaly.gr/person_en.php?pid=221

2. Short CV

Marios Moschakis received a Diploma in Electrical & Computer Engineering and a Ph.D degree from the National Technical University of Athens (NTUA), Greece. He is now lecturer at the Department of Electrical Engineering in the Technological Educational Institute of Thessaly, Greece. His research interests lie in the field of industrial design, informatics, electric power quality and reliability, distributed generation, renewable energy sources, distribution network design and analysis and smart grids. He has participated in more than 15 research projects as a member of the Electric Power Division of NTUA funded by the European Union within the Framework Programme. The most significant projects he participated are: Care, Microgrids, Dispover, Der-Lab, Anemos, Rise and Merge. He has co-authored more than 30 scientific papers published in international journals and conference proceedings. Furthermore, he has co-authored a published book written in English and Greek language, one Book Chapter and more than 15 technical reports. He is member of the Technical Chamber of Greece, member of Editorial Boards and member of International Committees.

3. EDUCATION

a) Higher Level Education

10/11/1998 : Diploma in Electrical & Computer Engineering from the National Technical University of Athens, Greece.

08/03/2005 : PhD in Electrical Engineering from the National Technical University of Athens, Greece, Electric Power Division, Power Systems Lab. Subject: “Contribution to Stochastic Assessment and Mitigation of Voltage Sags”.

1999-2002 : Post-graduate Lessons:

- | | |
|---|---|
| 1. Advanced Chapters on Electric Machines | 4. Fast Electromagnetic Transients on Power Systems |
| 2. Probabilistic Analysis of Energy Systems | 5. Design & Development of a Power Transmission and Distribution System |
| 3. Advanced Chapters on Power Electronics | 6. Electric Power Quality |

b) Foreign Languages

Certificate of Proficiency in English

c) Seminars attended

1999 : “Industrial remote control and management systems”, 291 hours, Institute of Education and Training, Technical Chamber of Greece.

1999 : “Methods of operations research, public and private constructions” 450 hours, Institute of Education and Training, Technical Chamber of Greece.

2000 : “Energy management in Buildings”, 300 hours, Center of Education and Training, Electrical and Mechanical Engineers Association.

2000 : “Development of Information Systems for Industrial Management”, 300 hours, Center of Education and Training, Electrical and Mechanical Engineers Association.

4. PROFESSIONAL EXPERIENCE

- 10/11/1998–04/02/2005:** Researcher (NTUA), Training and Laboratory Assistant (NTUA), Consultant Engineer.
- 01/01/2005 – 31/12/2005,** Researcher (NTUA), Electrical Engineer (Greek army).
01/09/2006 – 24/09/2006:
- 01/10/2006 – 30/09/2007,** Electrical Engineer/Researcher (NTUA and CERETETH-Center for
01/06/2007 – 30/06/2007: Research and Technology-Thessaly).
- 01/10/2006 – 13/11/2008:** Scientific and Laboratory Assistant (TEI of Thessaly)
- 14/11/2008 – today:** Lecturer (TEI of Thessaly)
- 01/06/2010 – 31/07/2010**
01/02/2012 – 31/12/2013 Researcher
01/09/2012 – 28/02/2015
01/11/2015 – 30/11/2015:

Professional activity	Total Duration (months)	Not overlapped duration (months)
Research programs	164	132
Other activities (Constr. Companies, CERETETH)	35	15
Greek Army (Engineer)	11	11
Education (TEI of Thessaly only*)	120	52
Total	330	210

* A 44 months professional activity in education in training at NTUA is not taken into account.

5. RESEARCH EXPERIENCE – WRITING ACTIVITY

1) Participation in (completed) research programs

- 01/01/98-30/11/98:** Modernization and intensive utilization of Electric Power Transmission Networks (NTUA/ICCS).
- 02/07/98-31/08/98** Advanced Control Advice for Power Systems with Large Scale Integration of
02/09/98-31/10/98: Renewable Energy Sources– CARE (FP4, NTUA/ICCS).
- 23/07/98-23/01/99** Electricity Tariffs and Embedded Renewable Generation (FP4, NTUA/ICCS).
01/09/99-31/10/99:
- 01/11/98-30/06/99:** Dissemination of the Advanced Control Technologies for isolated Power Systems with Increased Res Penetration (FP4, NTUA/ICCS).
- 01/07/99-31/08/99:** Lightning Protection of Wind Turbines (FP4, NTUA/ICCS).

- 01/03/00-31/01/02:** MORE–CARE (More Advanced Control Advice for Secure Operation of Isolated Power Systems with Increased Renewable Energy Penetration & Storage), FP5, NTUA/ICCS.
- 2000 – 2001:** Analysis and Improvement of Power Quality of Distribution Networks. Partners: NTUA-University of Patras. Funded by: Public Power Corporation of Greece.
- 16/12/00-17/02/01:** Study and Construction of a Rectifier, EU-Leonardo Da Vinci Programme, NTUA/ICCS.
- 01/02/02-31/10/02
01/01/03-31/05/03
02/06/03-30/11/03
02/01/04-31/12/04:** DISPOWER (Distributed Generation with High Penetration of Renewable Energy Sources), FP5, NTUA/ICCS.
- 01/11/02-31/12/02:** ANEMOS (Development of a Next Generation Wind Resource Forecasting System for the Large-Scale Integration of Onshore and Offshore Wind Farms), FP5, NTUA/ICCS.
- 01/01/03-28/02/03:** MICROGRIDS (Large Scale Integration of Micro-Generation to Low Voltage Grids), FP6, NTUA/ICCS.
- 01/09/99-30/11/99:** Development of an autonomous solar system for desalinization. EU, Agricultural University of Athens-NTUA.
- 1/1/05–31/12/05:** Investigation of Power Quality Phenomena in Ship Power Systems with emphasis on Voltage Deviation Phenomena, EU-Greek Ministry of Education, Activity: Pythagoras. Coordinator: NTUA-School of Naval and Mechanical Engineering.
- 1/9/06–24/09/06:** DERLAB (Network of Excellence for Decentralised Energy Resources and Preparation of Standards), FP6, NTUA/ICCS.
- 1/6/07–30/06/07:** RISE (Renewables for Isolated Systems – Energy Supply and Waste Water Treatment), FP6-INCO, NTUA/ICCS.
- 1/6/10–31/07/10:** MERGE (Mobile Energy Resources in Grids of Electricity), FP7, NTUA/ICCS.
- 1/9/12–28/2/15:** Research and Development of an Intelligent Real Time Energy and Power Management for Crete's Power System with High Res Penetration (IntEMRES), Archimedes III, TEI of Crete.
- 1/2/12–31/12/13
1/11/15-30/11/15:** Studying and Resolving Power Quality Problems in Ship Electric Energy Systems (DEFKALION), Thales, Ntua.

2) A list of most significant research programs (as Coordinator or Partner) submitted for funding

1. Power Quality with emphasis on Voltage Dips in Industrial Installations and Distribution Networks with Dispersed Energy Resources (P.Q. – D.E.R)
2. Power Quality Research and Survey (P.Q. – RE.S.)
3. Clean and INtelligent Energy in non-Mertropolitan Areas (CINEMA)
4. Energy Islands – RES-Powered Communities (EI-RESPCO)
5. PV Large Scale integration in Island grids with currently high RES penetration (PV-LaSIREs)

3) Published Books

- [pb1] S. Manias, **M. Moschakis**, “Electromagnetic Compatibility in Power Electronics Systems”, ISBN 80-89061-09-5, prepared within the Leonardo da Vinci No SK/98/2/05381/PI/II.1.1.c/CONT: *Training in Electrical Engineering for Industry Automation(ELINA)*, English and Greek version, 2001.

4) Book Chapters

- [bc1] Y. Katsigiannis, P. Georgilakis, **M. Moschakis**, “Evaluating the Performance of Small Autonomous Power Systems using Reliability Worth Analysis”, Book Chapter 10, *SPRINGER*, Book Title: Reliability Modeling and Analysis of Smart Power Systems, Series Title: Reliable and Sustainable Electric Power and Energy Systems Management, ISBN: 978-81-322-1797-8 (Print) 978-81-322-1798-5 (Online), pp. 147-167, 2014.
- [bc2] **M. Moschakis**, “Advanced Short-Circuit Analysis for the Assessment of Voltage Sag Characteristics”, *SPRINGER* Book Chapter on Electricity Distribution, Part of the series Energy Systems, pp 241-265, March 2016.

5) Journals / Transactions

- [jt1] **Moschakis M. N.**, Hatziargyriou N. D., “A Detailed Model for a Thyristor Based Static Transfer Switch”, *IEEE Transactions on Power Delivery*, vol. 18, no. 4, pp. 1442-1449, October 2003.
- [jt2] **Moschakis M. N.**, Hatziargyriou N. D., “Analytical Calculation and Stochastic Assessment of Voltage Sags”, *IEEE Transactions on Power Delivery*, vol. 21, no. 3, pp. 1727-1734, July 2006.
- [jt3] **Moschakis M. N.**, Kladas A., Hatziargyriou N., “A Voltage Source Converter Model for Exchanging Active and Reactive Power with a Distribution Network”, *ELSEVIER -Journal of Materials Processing Technology*, vol. 161, pp. 128-135, 2005.
- [jt4] **Moschakis M. N.**, Prousalidis J., Hatziargyriou N., “Performance Assessment of STS used for Alternative Naval Power Supplying Units”, *IASME Transactions*, Issue 2, Vol. 1, ISSN 1790-031X, pp. 394-399, April 2004.
- [jt5] Karapidakis E., Tsikalakis A., Katsigiannis Y., **Moschakis M.**, “Impact of increased RES generation on power systems dynamic performance”, *Materials Science Forum Journal*, Vol. 721, pp. 185-190, DOI: 10.4028/www.scientific.net/MSF.721.185, June 2012.
- [jt6] **M. N. Moschakis**, V. V. Dafopoulos, E. S. Karapidakis, and A. G. Tsikalakis, “Analytical Assessment of DC Components Generated by Renewable Energy Resources with Inverter-Based Interconnection System due to Even Harmonics”, *ISRN Renewable Energy Journal*, Hindawi Publishing Corporation, <http://www.hindawi.com/isrn/re/2012/261325/>, 2012.
- [jt7] **M. N. Moschakis**, E. L. Karfopoulos, E. I. Zountouridou, S. A. Papathanassiou, “On Adaptation of Electric Vehicle and Microgrid Issues to EMC-Power Quality Standards”, *Electrical and Electronic Engineering Journal*, Scientific & Academic Publishing Co., Vol. 2, No. 5, pp. 249-257, doi: 10.5923/j.eee.20120205.02, 2012.
- [jt8] **M. N. Moschakis**, V. V. Dafopoulos, I. G. Andritsos, E. S. Karapidakis, J. M. Prousalidis, “The Effect of Transformer’s Vector Group on Retained Voltage Magnitude and Sag Frequency at Industrial Sites due to Faults”, *International Journal of Electrical Science and Engineering*, International Science Index 79, Vol:7, No:7, 2013.
- [jt9] **M. N. Moschakis**, I. G. Andritsos, V. V. Dafopoulos, J. M. Prousalidis, E. S. Karapidakis, “An Evaluation of Sag Detection Techniques for Fast Solid-State Electronic Transferring to Alternate

Electrical Energy Sources”, *International Journal of Electrical Science and Engineering*, International Science Index 80, Vol:7, No:8, 2013.

- [jt10] **M. Moschakis**, E. Karapidakis and A. Tsikalakis, “Effect of Power Line Conductor Resistance-to-Reactance Ratio on Voltage Magnitude during Two-Phase Faults at Electric Energy Grids”, *Materials Science Forum Journal*, accepted for publication on December 2013.
- [jt11] **M. Moschakis**, F. Kanellos and J. Prousalidis, “Adapting Smart Grid, RES Penetration, Electromagnetic Compatibility and Energy Efficiency Concepts to Electric Ship Power Systems”, *Materials Science Forum Journal*, accepted for publication on December 2013.
- [jt12] E. Karapidakis, P. Georgilakis, A. Tsikalakis, Y. Katsigiannis and **M. Moschakis**, “Dynamic performance assessment of wind energy pump storage units in Crete's power system”, *Materials Science Forum Journal*, accepted for publication on December 2013.
- [jt13] **M. Moschakis**, “A Research on DC Voltage Offsets Generated by PWM-Controlled Inverters”, *International Journal of Electrical, Robotics, Electronics and Communications Engineering*, International Science Index 91, Vol.: 8, No: 7, pp. 59 – 63, 2014.
- [jt14] **M. Moschakis**, “Optimal Assessment of Faulted Area around an Industrial Customer for Critical Sag Magnitudes”, *International Journal of Electrical, Robotics, Electronics and Communications Engineering*, International Science Index 91, Vol.: 8, No: 7, pp. 64 – 70, 2014.

6) Conference Proceedings

- [cp1] Kanellos F. D., **Moschakis M. N.**, Hatziargyriou N. D., “Dynamic Analysis of the Operation of Constant and Variable Speed Wind Turbines, Connected to a Weak Electrical Grid”, *UPEC Conference Proceedings*, Belfast, Northern Ireland, 6-8 September, 2000.
- [cp2] **Moschakis M.**, Manias S., Hatziargyriou N., «Electromagnetic Compatibility: Harmonic emission standards, high-frequency emission standards and immunity standards”, *Conference organized by Technical Chamber of Greece entitled: ‘Technology and industrial applications of power electronics’*, 28-29 September 2000, Athens, Greece.
- [cp3] **Moschakis M.**, Hatziargyriou N., Vovos N., Giannakopoulos G., Schinas N., Koutiva X., Tsitilos G., Ziogalas D., “Study of Voltage Dips in Distribution Lines and Power Quality Equipment”, *CIGRE Session 2002*, pp. 142-149, Athens, Greece, April 2002.
- [cp4] **Moschakis M. N.**, Hatziargyriou N. D., “Thyristor Based Static Transfer Switch: Theory, Modelling and Analysis”, *MEDPOWER Conference*, Athens, Greece, November 2002.
- [cp5] **Moschakis M.**, Kladas A., Hatziargyriou N., “A Voltage Source Converter Model for Exchanging Active and Reactive Power with a Distribution Network”, *Japanese-Mediterranean and Central European Workshop on Applied Electromagnetic Engineering for Magnetic, Superconducting and Nano Materials (JAPMED)*, Athens, Greece, 2003.
- [cp6] **Moschakis M.**, Leonidaki E., Hatziargyriou N., “Considerations for the Application of Thyristor Controlled Series Capacitors to Radial Power Distribution Circuits”, *IEEE PowerTech Conference Proceedings*, Bologna, Italy, 2003.
- [cp7] **Moschakis M.**, Prousalidis J., Hatziargyriou N., “Performance Assessment of STS used for Alternative Naval Power Supplying Units”, *International Conference on Electrosience and Technology for Naval Engineering and All-Electric Ship*, Athens, Greece, 2004.
- [cp8] **Moschakis M. N.**, Hatziargyriou N. D., “Influence of Power Transformer’s Phase Shift and R/X ratio of power line conductors on during-fault voltage”, *MEDPOWER Conference Proceedings*, Athens, Greece, November 2008.
- [cp9] Karapidakis E. S., Tsave A.A., Katsigiannis Y. A., and **Moschakis M. N.** , “Energy Efficiency and Environmental Impact of Biogas Utilization in Landfills”, *Proceedings of the 3rd*

International Conference on Energy and Development - Environment - Biomedicine (EDEB'09), pp.105-113, Vouliagmeni, Athens, Greece, December 29-31, 2009.

- [cp10] Karapidakis E., Tsikalakis A., Katsigiannis Y., **Moschakis M.**, “Impact of increased RES generation on power systems dynamic performance”, *The 7th Japanese-Mediterranean and Central European Workshop on Applied Electromagnetic Engineering for Magnetic, Superconducting and Nano Materials (JAPMED’7)*, Budapest, Hungary, 6-9 July 2011.
- [cp11] **Moschakis M. N.**, Karfopoulos E. L., Zountouridou E. I., and Papathanassiou S. A., “Adapting EV-Microgrid Concepts to European Grid Standards Related to Power Quality”, *16th IEEE International Conference on Intelligent System Applications to Power Systems (ISAP)*, Hersonnisos, Crete, Greece, September 25-28, 2011.
- [cp12] A. Anastasiadis, C. Patsiouras, T. Tomtsi, **M. Moschakis**, S. Papathanassiou, N. Hatziargyriou, “Power quality analysis of a pilot microgrid supplied by a CHP system in Greece”, *CIGRE Symposium, Bologna, Italy*, 13-15 September 2011.
- [cp13] **M. Moschakis**, S. Loutridis, V. Dafopoulos, A. Anastasiadis, T. Tomtsi, E. Karapidakis, A. Tsikalakis, “Prediction of Voltage Sags Applying the Method of Critical Distances to Meshed Power Networks”, *Proceedings of IEEE PMAPS (Probabilistic Methods Applied to Power Systems) Conference*, pp. 570-575, Istanbul, Turkey, June 10-14, 2012.
- [cp14] Y. Katsigiannis, P. Georgilakis, S. Papadopoulos, **M. Moschakis**, “Evaluating the Performance of Small Autonomous Power Systems using Reliability Worth Analysis”, *Proceedings of IEEE PMAPS (Probabilistic Methods Applied to Power Systems)*, pp. 762-767, Istanbul, Turkey, June 10-14, 2012.
- [cp15] **M. Moschakis**, E. Karapidakis and A. Tsikalakis, “Effect of Power Line Conductor Resistance-to-Reactance Ratio on Voltage Magnitude during Two-Phase Faults at Electric Energy Grids”, *8th Japanese-Mediterranean (JapMed) Workshop on Applied Electromagnetic Engineering for Magnetic, Superconducting, Multifunctional and Nanomaterials*, Athens, Greece, 2013.
- [cp16] **M. Moschakis**, F. Kanellos and J. Prousalidis, “Adapting Smart Grid, RES Penetration, Electromagnetic Compatibility and Energy Efficiency Concepts to Electric Ship Power Systems”, *8th Japanese-Mediterranean (JapMed) Workshop on Applied Electromagnetic Engineering for Magnetic, Superconducting, Multifunctional and Nanomaterials*, Athens, Greece, 2013.
- [cp17] E. Karapidakis, P. Georgilakis, A. Tsikalakis, Y. Katsigiannis and **M. Moschakis**, “Dynamic performance assessment of wind energy pump storage units in Crete's power system”, *8th Japanese-Mediterranean (JapMed) Workshop on Applied Electromagnetic Engineering for Magnetic, Superconducting, Multifunctional and Nanomaterials*, Athens, Greece, 2013.
- [cp18] **M. N. Moschakis**, V. V. Dafopoulos, I. G. Andritsos, E. S. Karapidakis, J. M. Prousalidis, “The Effect of Transformer’s Vector Group on Retained Voltage Magnitude and Sag Frequency at Industrial Sites due to Faults”, *International Conference on Electrical, Computer, Electronics and Communication Engineering*, pp. 317-323, July 2013.
- [cp19] **M. N. Moschakis**, I. G. Andritsos, V. V. Dafopoulos, J. M. Prousalidis, E. S. Karapidakis, “An Evaluation of Sag Detection Techniques for Fast Solid-State Electronic Transferring to Alternate Electrical Energy Sources”, *International Conference on Electrical, Computer, Electronics and Communication Engineering*, pp. 395-401, July 2013.

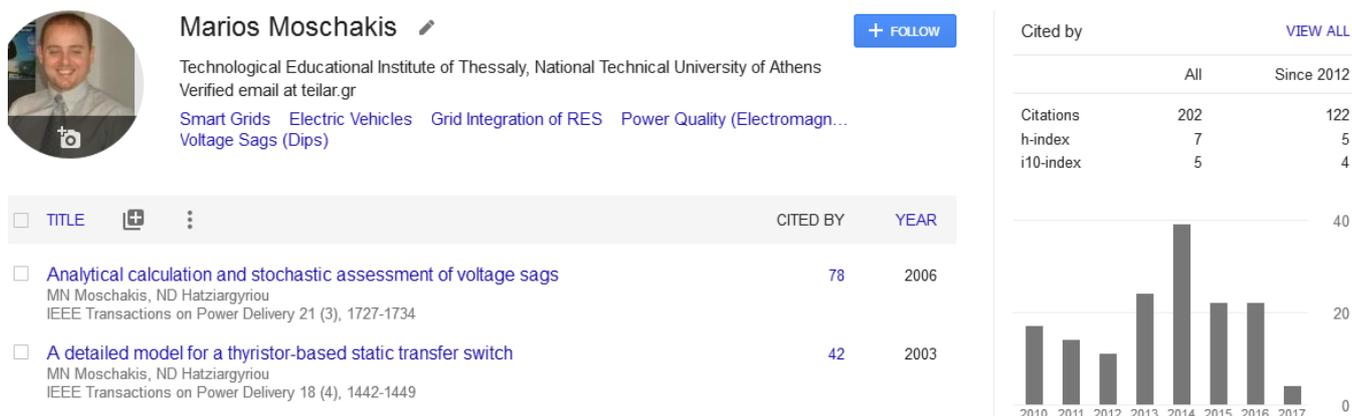
7) Reports / Deliverables (published on the internet)

- [rd1] B. Bletterie, R. Bründlinger, C. Mayr, J. Kirchhof, **M. Moschakis**, N. Hatziargyriou, S. Nguéfeu, “Identification of general safety problems, definition of test procedures and design measures for protection”, Project Report, European Project DISPOWER, www.dispower.org , 2006.

- [rd2] **Moschakis M.**, Papathanasiou S., Hatziargyriou N., “Advanced Architectures and Control Concepts for More Microgrids, WP E, *DE1: Report on standards and grid code requirements applied to LV DG devices*”, Ερευνητικό πρόγραμμα (6th Framework Programme): MORE MICROGRIDS, <http://www.microgrids.eu>, January 2007.
- [rd3] **Moschakis M.**, Papathanasiou S., Hatziargyriou N., “Electromagnetic Compatibility for Distributed Energy Resources, Jpa 2.1 Pre-Standardisation Activities for DER”, Ερευνητικό πρόγραμμα (6th Framework Programme): DERLAB-Network of DER Laboratories and Pre-Standardisation, <http://www.der-lab.net/> , January 2007.
- [rd4] **Moschakis M.**, Papathanasiou S., Hatziargyriou N., “Advanced Architectures and Control Concepts for More Microgrids, WP E, *DE2: Report on Interface Equipment Requirements for LV DG devices*”, Ερευνητικό πρόγραμμα (6th Framework Programme): MORE MICROGRIDS, <http://www.microgrids.eu> , June 2008.
- [rd5] **Moschakis M.**, Karfopoulos E., Zountouridou E., Dimeas A., Papathanasiou S., Hatziargyriou N., Cipcigan L., “Adapting microgrid-EV concepts to different European grid standards related to power quality”, Ερευνητικό πρόγραμμα (7th Framework Programme): MERGE-Mobile Energy Resources in Grids of Electricity, WP 1,Task 3.9, Deliverable D1.2, <http://www.ev-merge.eu/>, June 2010.

8) Citations

➤ *Number of citations per publication (source: Google Scholar)*



9) Lecture notes

1. Electric Machines (Theory and laboratory exercises)
2. Electric Energy Management and Quality, Msc in Energy and Automation Systems
3. Alternative Energy Sources, Msc in Energy and Automation Systems
4. Smart Energy Grids, Msc in Energy and Automation Systems
5. Electric Power Quality (NTUA pre-doctoral lesson), 60 pages.
6. Computer Programming I (Theory), 135 pages
7. Computer Programming I (Lab. exercises), 105 pages.
8. Computer Programming II (Theory), 195 pages
9. Computer Programming II (Lab. exercises), 129 pages
10. Power Systems II, Electric Circuits I, Electric Machines.

10) Dissertations

1. **Moschakis M.**, «Contribution to Stochastic Assessment and Mitigation of Voltage Sags», Ph.D Thesis.
2. **Moschakis M.**, «Simulation of speed regulators and simulation of energy storage device using the real-time digital simulator RTDS», Diploma Dissertation.

11) Reviewer of scientific articles

- 2002-today :**
- IEEE Transactions on Power Delivery
 - IEEE Transactions on Power Systems
 - ELSEVIER-Electric Power Systems Research
 - Electric Power Components and Systems (Journal, Taylor & Francis Group)
 - International Journal of Energy Engineering (Scientific & Academic Publishing)
 - Electrical and Electronic Engineering Journal (Scientific & Academic Publishing)
 - Energy and Power Journal (Scientific & Academic Publishing)
 - Smart Grid Engineering Journal (Scientific & Academic Publishing)
 - International Journal of Power and Energy Systems (ACTA press)
 - IEEE PES General Meeting
 - PowerTech Conference (2003)
 - MedPower Conference (2002)

12) FP7 Expert-Evaluator

- 10/9/2007–15/9/2007:** FP7-ENERGY-2007-2-TREN, Topic: SMART ENERGY NETWORKS. http://cordis.europa.eu/fp7/experts_en.html (FP7 Activities: Cooperation, Transport (including Aeronautics)).
- 14/1/2013–16/1/2013:** FP7-ENERGY-2013-1, Topic ENERGY.2013.2.9.1: Research cooperation and knowledge creation in the area of renewable energy with Mediterranean partner countries.

13) Member of Editorial Boards

- 2013:** International Journal on Electrical and Power Engineering, The Association of **Computer Electronics** and Electrical Engineers (ACEEE).

6. EXPERIENCE IN EDUCATION AND LABORATORY TRAINING

a) Postgraduate lessons and seminars

- 2002 – today :** Electric Power Quality, pre-doctoral lesson, School of Electrical and Computer Engineering, NTUA.
- 10/11/2000-30/6/2001:** Seminar entitled: “Recent advances on the electric energy technology”. Organized by the School of Electrical and Computer Engineering, NTUA.
- 2016 – today :** Lectures in MSc program entitled “Energy and Automation Systems”:
- ✓ Smart Energy Grids
 - ✓ Alternative Energy Sources
 - ✓ Electric Energy Management and Quality

b) Pre-graduate lessons at NTUA

- 1/9/1998 - 30/6/1999** Lectures as a PhD Candidate of the School of Electrical and Computer Engineering:
1/9/1999 - 30/6/2000
1/9/2000 - 31/8/2001
1/9/2001 - 31/8/2002:
- ✓ Analysis of Power Systems
 - ✓ Electric Power Transmission Lines Γραμμές
 - ✓ Introduction to Power Systems

c) Pre-graduate lessons at TEI of Thessaly

- 1/10/2006 – today:**
- ✓ Electric Machines (Lectures and Lab. Training)
 - ✓ Electric Power Systems (Lectures and Lab. Training)
 - ✓ Power Electronics (Lab. Training)
 - ✓ Electric Circuits I (Lectures)
 - ✓ Computer Programming I & II (Lectures and Lab. Training)

d) Supervision of dissertations

- 2002 – today :** 16 dissertations to PhD Candidates and students of the pre-doctoral lesson “Electric Power Quality”.
- 06/2009:** 2 dissertations to foreign student in the framework of exchange programs ERASMUS.
- 11/2008 - today:** More than 100 dissertations to students of the Department of Electrical Engineering, TEI of Thessaly.