

## Tsiamitros Dimitrios

Date of birth: 19/03/1979

URL for web site: <http://ape.ee.teikoz.gr/?page=2&showid=11&sub=1>

### • EDUCATION

- 2001-2005 PhD in Electrical and Computer Engineering  
Faculty of Engineering/ Department of Electrical and Computer Engineering, Aristotle University of Thessaloniki, GREECE
- 1996-2001 Master in Electrical and Computer Engineering  
Faculty of Engineering/ Department of Electrical and Computer Engineering, Aristotle University of Thessaloniki, GREECE

### • CURRENT POSITION(S)

- 2014 Assistant Professor  
Faculty of Engineering/ Department of Electrical Engineering, Technological Educational Institute of Western Macedonia, Kozani, GREECE
- 2013 – 2014 Project Manager of the IPA Cross-Border Programme “Greece-FYROM 2007-2013 project with Acronym PEEBPE.  
Faculty of Engineering/ Department of Electrical Engineering, Technological Educational Institute of Western Macedonia, Kozani, GREECE
- 2014 Principal Investigator, Bilateral Research & Technology Cooperation Greece-Turkey 2013-2014 – “Smart Electrical Energy Management and Buildings Energy Efficiency Technologies project-SEEMBEET”, Dept of Electrical Engineering, Technological Educational Institute of West Macedonia, GREECE.

### • PREVIOUS POSITIONS

- 2007 – 2014 Visiting Assistant Professor.  
Dept of Electrical Engineering and Dept of Information Technology Applications, Technological Educational Institute of West Macedonia, GREECE.
- 2005 – 2006 Visiting Assistant Professor.  
Dept of Information Technology Applications, Technological Educational Institute of West Macedonia, GREECE.
- 2002 – 2003 Electrical and Computer Engineer, Software developer.  
European Research project: “PowerManSwitch: An Innovative Energy Consumption Management System based on a Punctual Electrical Control Device”, Dept of Electrical and Computer Engineering, Aristotle University of Thessaloniki, GREECE.

### • FELLOWSHIPS AND AWARDS

- 2014 **Project manager of the PEEBPE project**, which has been selected as a good practice in the **Best Practice Category “Institutional partnerships & Project management”**, *1st European Territorial Cooperation Conference: Promoting Best Practices-Sharing Experiences*” which is held under the Greek Presidency of the Council of Europe and in the framework of the celebrations for the Europe Day on 8th & 9th May 2014 in Thessaloniki, Greece.
- 2014 **Principal Investigator**, Bilateral Research & Technology Cooperation Greece-Turkey 2013-2014 – “SEEMBEET project”, Dept of Electrical Engineering, Technological Educational Institute of West Macedonia, GREECE.
- 2002 – 2005 **Basic Research Scholarship – “Irakleitos”**, Dept of Electrical and Computer Engineering, Aristotle University of Thessaloniki, GREECE.

### • SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- 2007 – 2008 3 graduate students theses  
Dept of Information Technology Applications, Technological Educational Institute of West Macedonia, GREECE.
- 2009 – 2014 20 graduate students theses

Dept of Electrical Engineering, Technological Educational Institute of West Macedonia, GREECE.

- **TEACHING ACTIVITIES**

- 2009 – 2014 Visiting Assistant Professor – **Topics:** Renewable Energy Sources, Electrical Machines, Dept of Electrical Engineering, Technological Educational Institute of West Macedonia, GREECE .
- 2009 – 2010 Visiting Lecturer – **Topics:** Neural Networks, Dept of Information Technology Engineering, University of West Macedonia, GREECE.
- 2007 – 2008 Visiting Lecturer – **Topics:** Electrical Energy Technology, Dept of Electrical and Computer Engineering, Aristotle University of Thessaloniki, GREECE.
- 2007 – 2008 Visiting Assistant Professor – **Topics:** Programming language C and data structures, Dept of Information Technology Applications, Technological Educational Institute of West Macedonia, GREECE.
- 2005 – 2006 Visiting Assistant Professor – **Topics:** Programming language C and data structures, Dept of Information Technology Applications, Technological Educational Institute of West Macedonia, GREECE.

- **ORGANISATION OF SCIENTIFIC MEETINGS (if applicable)**

- 2014 Member of the Organizing Committee, Scientific Publications responsible, International Conference on Buildings Energy Efficiency and Renewable Energy Sources (BEE RES 2014 Conference – [www.bee-res.gr](http://www.bee-res.gr)), Kozani, Greece.

- **INSTITUTIONAL RESPONSIBILITIES (if applicable)**

- 2014-2017 Member by election, Technical Chamber of Greece - Region of West Macedonia (TEE-TDM), Greece

- **COMMISSIONS OF TRUST**

- 2013 Most Valued Reviewer, Electric Power Systems Research (EPSR)
- 2012 Reviewer, IET Proceedings on Generation, Transmission and Distribution (IET-GTD)
- 2008 Reviewer, IEEE Transactions on ElectroMagnetic Compatibility (IEEE-EMC)
- 2014 Scientific Evaluator, Hellenic Electricity Distribution Network Operator (HEDNO)

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

- 2002 – 2014 Member, Technical Chamber of Greece (TEE), Greece.
- 2005 – 2010 Member, IEEE Power & Energy Society (IEEE-PES).

- **MAJOR COLLABORATIONS**

- 1) Prof. Peter Neubauer, Dr-Ing Stefan Junne, **Topic:** Smart Grids meet Biogas, Chair of Bioprocess Engineering, Institute of Biotechnology, Technical University of Berlin (TU-Berlin), Germany.
- 2) Prof. Evangelos Dialynas, **Topic:** Reliability and power quality of microgrids, School of Electrical and Computer Engineering, National Technical University of Athens (NTUA), Greece.
- 3) Prof Aydogan Ozdemir, **Topic:** Simulation of smart grids, Department of Electrical Engineering, Istanbul Technical University (ITU), Turkey.
- 4) Dr Myrto Holiastou, **Topic:** Calibration of smart grid devices, Hellenic Institute of Metrology (EIM), Greece.

- **CAREER BREAKS**

- 10/08/2006-10/08/2007 Military service: 12 months.

## Early achievements track-record

### 1. Publications

#### Publications without the presence as co-author of the PhD supervisor

1. T. A. Papadopoulos, **D. A. Tsiamitros**, G. K. Papagiannis, “Impedances and admittances of underground cables for the homogeneous earth case”, **IEEE Trans. Power Delivery**, Vol. 25, No. 2, pp. 961-969, (2010).  
(Citations: 3)
2. T. A. Papadopoulos, **D. A. Tsiamitros**, G. K. Papagiannis, “Earth Return Admittances and Impedances of Underground Cables in Nonhomogeneous Earth”, **IET Proceedings on Generation, Transmission & Distribution**, vol. 5, Iss. 2, pp. 161-171, (2011).  
(Citations: 0)
3. Dimitrios Stimoniariis, **Dimitrios Tsiamitros**, V. Zacharaki, T. Kottas, S. Maropoulos, M. Stefanovski, Z. Stepanovski, I. Milosovska, N. Susevski, K. Micalovski, V. Karagiannis, K. Zarmakoupis, “Energy Audits in Public Buildings ”, **International Conference on Buildings Energy Efficiency and Renewable Energy Sources BEE RES 2014**, 1-3 June 2014, Kozani, Greece.  
(Citations: 0)
4. **Dimitrios Tsiamitros**, Dimitrios Stimoniariis, N. Poulakis, Evangelos Dialynas, “Supply-side Ancillary Services at a Microgrid-based Smart Grid Topology”, **International Conference on Buildings Energy Efficiency and Renewable Energy Sources BEE RES 2014**, 1-3 June 2014, Kozani, Greece.  
(Citations: 0)
5. **Dimitrios Tsiamitros**, Dimitrios Stimoniariis, T. Kottas, V. Zacharaki, Evangelos Dialynas, “Control algorithm and infrastructure for smart grid topologies”, **International Conference on Buildings Energy Efficiency and Renewable Energy Sources BEE RES 2014**, 1-3 June 2014, Kozani, Greece.  
(Citations: 0)
6. D. Stimoniariis, **D. A. Tsiamitros**, T. Kottas, N. Asimopoulos,, E. Dialynas, “Smart Grid Simulation Using Small-scale Pilot Installations. - Experimental Investigation of a Centrally-controlled Microgrid”, **IEEE PowerTech 2011 Conference**, paper #84, 19-23 June 2011, Trondheim, Norway, **available at <http://ieeexplore.ieee.org>** .  
(Citations: 0)
7. D. Stimoniariis, **D. A. Tsiamitros**, N. Poulakis, T. Kottas, V. Kikis, E. Dialynas, “Investigation of Smart Grid Topologies Using Pilot Installations Experimental Results”, **IEEE Innovative Smart Grid Technologies-ISGT 2011 Conference**, paper #7, 5-7 December 2011, Manchester, UK, **available at <http://ieeexplore.ieee.org>**.  
(Citations: 0)
8. T. A. Papadopoulos, **D. A. Tsiamitros**, G. K. Papagiannis, “Analysis of the propagation characteristics of buried cables in imperfect earth”, **IEEE PowerTech2009 Conference**, paper #443, Bucharest, Romania.  
(Citations: 0)
9. T. A. Papadopoulos, **D. A. Tsiamitros**, G. K. Papagiannis, “Modal propagation characteristics of underground power cable systems”, **44th UPEC**, 2009.  
(Citations: 0)
10. **D. A. Tsiamitros**, T. A. Papadopoulos, G. K. Papagiannis, “Modeling of Gas-Insulated Lines buried in single and in two-layer earth”, **44th UPEC**, 2009.  
(Citations: 0)

#### Publications with the presence as co-author of the PhD supervisor

11. G. K. Papagiannis, **D. A. Tsiamitros**, D. P. Labridis, P. S. Dokopoulos, “Direct Numerical Evaluation of the Earth Return Path Impedances of Underground Cables”, **IET Proceedings on Generation, Transmission & Distribution**, Vol. 152, No. 3, pp. 321-328, (2005).  
(Citations: 5)
12. **D. A. Tsiamitros**, G. K. Papagiannis, D. P. Labridis, P. S. Dokopoulos, “Earth Return Impedances of Underground Cables for the Two-Layer Earth Case”, **IEEE Trans. Power Delivery**., Vol. 20, No. 3, pp. 2174-2181, (2005).  
(Citations: 5)

13. G. K. Papagiannis, **D. A. Tsiamitros**, D. P. Labridis, P. S. Dokopoulos, “A Systematic Approach To The Evaluation Of The Influence Of Multi-Layered Earth On Overhead Power Transmission Lines”, **IEEE Transactions on Power Delivery**, Vol. 20, No 4, pp. 2594-2601, (2005).  
(Citations: 2)
14. **D. A. Tsiamitros**, G. C. Christoforidis, G. K. Papagiannis, D. P. Labridis, P. S. Dokopoulos, “Earth Conduction Effects in Systems of Overhead and Underground Conductors in Multilayered Soils”, **IET Proceedings on Generation, Transmission & Distribution**, Vol. 153, No. 3, pp. 291-299, (2006).  
(Citations: 9)
15. **D. A. Tsiamitros**, G. K. Papagiannis, P. S. Dokopoulos, “Homogenous Earth Approximation of Two-Layer Earth Structures. An Equivalent Resistivity Approach”, **IEEE Trans. Power Delivery.**, Vol. 22, No. 1, pp. 658-666, (2007).  
(Citations: 1)
16. **D. A. Tsiamitros**, G. K. Papagiannis, P. S. Dokopoulos, “Earth Return Impedances of Conductor Arrangements in Multi-Layer Soils—Part I: Theoretical Model”, **IEEE Trans. Power Delivery.**, Vol. 23, No. 4, pp. 2392-2400, (2008).  
(Citations: 1)
17. **D. A. Tsiamitros**, G. K. Papagiannis, P. S. Dokopoulos, “Earth Return Impedances of Conductor Arrangements in Multi-Layer Soils—Part II: Numerical Results”, **IEEE Trans. Power Delivery.**, Vol. 23, No. 4, pp. 2401-2408, (2008).  
(Citations: 2)

## 2. Prizes and Awards

- 2014 **Project manager of the PEEBPE project**, which has been selected as a good practice in the **Best Practice Category “Institutional partnerships & Project management”**, *1st European Territorial Cooperation Conference: Promoting Best Practices-Sharing Experiences*” which is held under the Greek Presidency of the Council of Europe and in the framework of the celebrations for the Europe Day on 8th & 9th May 2014 in Thessaloniki, Greece.
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- 2013 **Most Valued Reviewer**, Electric Power Systems Research (EPSR).
- 2002 – 2005 **Basic Research (PhD) Scholarship** – “Irakleitos”, Dept of Electrical and Computer Engineering, Aristotle University of Thessaloniki, GREECE.